

2022-2023 UMGC EUROPE CATALOG



UNIVERSITY
OF MARYLAND
GLOBAL CAMPUS
EUROPE



SUCCEED AGAIN

europe.umgc.edu

UMGC IN MARYLAND AND AROUND THE WORLD

MISSION

The mission of University of Maryland Global Campus is improving the lives of adult learners. We will accomplish this by operating as Maryland's open university, serving working adults, military servicemen and servicewomen and their families, and veterans who reside in Maryland, across the United States, and around the world.

VISION

UMGC will be a global leader in adult education focusing on career-relevant programs that enable students to realize their professional aspirations.

VALUES

- **Students First:** These are the people who make our work possible.
- **Accountability:** We are each responsible for our overall success.
- **Diversity:** Each individual brings value to our efforts and results.
- **Integrity:** Our principles and standards are never compromised.
- **Excellence:** Quality is the hallmark of our work.
- **Innovation:** We advance so others can benefit from our leadership.
- **Respect:** The rights and feelings of others are always considered.
- **People Always:** Our faculty and staff represent our differentiator and competitive advantage.

CONTACT UMGC EUROPE

We stand ready to assist current and prospective students with their questions and inquiries.

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Welcome to UMGC Europe

On behalf of the faculty and staff of University of Maryland Global Campus Europe, welcome to the 2022-2023 academic year. Since first offering classes in Europe in 1949, UMGC has been driven to ask students just like you the same two questions: what are your educational goals and how can we help? Our focus is on connecting with you, the learner, as you chart your educational path toward achieving your personal and career goals. We know every one of you is on a unique journey, a journey that our skilled staff and attentive faculty can help you navigate. UMGC Europe offers you services at more than 50 locations across Europe, downrange, and at the headquarters in Kaiserslautern, Germany, as well as in our virtual office (europe.umgc.edu/locations). Our highly trained staff can advise you on how your prior work and educational experiences can earn you credit and allow you to attain your educational goals as quickly and affordably as possible.

The low student-to-teacher ratio of our on-site classes allows UMGC Europe faculty to really get to know you as a student, encouraging meaningful, tailored learning experiences that are accessible and affordable. Our professors and courses continue to be flexible with many courses offering a virtual component in case unexpected circumstances arise that take you out of the classroom.

Through our online programs, the full breadth and depth of the curriculum of a large public university with more than 90,000 students is available to you. The Schools of Arts and Sciences, Business, and Cybersecurity and Information Technology offer a range of certificate programs and undergraduate and graduate degree options that are focused on helping you develop knowledge and skills you can apply immediately.

Whether you are a high school student, recent graduate, active duty servicemember, spouse, civilian, veteran or retiree, UMGC Europe has the presence and expertise to help you achieve your educational goals. With more than 73 years of experience serving those who serve, one student at a time, we never forget that it is a privilege to be on this journey with you.



Ms. Patricia A. Coopersmith
Acting Vice President
and Director
UMGC Europe



Dr. Andrew D. Boone
Associate Vice President
and Associate Dean
UMGC Europe



Accreditation

University of Maryland Global Campus is accredited by the Middle States Commission on Higher Education, 1007 North Orange Street, 4th Floor, MB#166, Wilmington, DE 19801, an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

UMGC is a constituent institution of the University System of Maryland and is governed by the USM Board of Regents. UMGC is certified to operate by the State Council of Higher Education for Virginia (SCHEV). University of Maryland Global Campus, 9625 Belvoir Road, Barden Education Center, Building 1017, Room 128, Fort Belvoir, VA 22060.



UNIVERSITY SYSTEM
of MARYLAND

See the policy statement and
additional policies in the index.

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WELCOME TO UMGC

SUCCEED AGAIN

From its founding in 1947, University of Maryland Global Campus (UMGC) has had a single mission: to meet the educational needs of adult students like you—students who must balance study with the demands of work and family life.

Since then, the university has grown to be the largest public university in the nation, serving students throughout the state, the country, and the world. And although its name has changed more than once over the decades (from the College of Special and Continuation Studies to University College, from UMUC to UMGC), the university's mission (stated on inside front cover) and focus on providing open access to high-quality educational programs and services—eliminating the barriers that can keep you from achieving your educational goals—remains unchanged.

For information on UMGC's mission, history, and values, visit umgc.edu/mission.

MILITARY PARTNERSHIPS

For 75 years, UMGC has proudly served the U.S. military through its educational partnership in Asia, Europe, and Stateside. More than a million servicemembers have taken UMGC courses.

This long relationship has made UMGC particularly sensitive to the needs of military students and prepared to handle details specific to military life, such as veterans benefits and the transfer of credit earned in military specialty schools. In July 2013, UMGC was awarded a U.S. Department of Defense contract to continue offering programs at its military sites across Europe. In 2022, the U.S. Department of Defense announced that it had extended UMGC's privilege to serve the members of the U.S. military community in Asia.

By proving that traditional standards of academic excellence can be maintained in nontraditional settings, UMGC has won the respect of the military community and established itself as an integral part of military life.

Currently, UMGC provides courses at more than 80 military installations throughout Africa, Asia, Central Asia, Europe, and the Middle East.

KEY ALLIANCES

Through key military alliances, UMGC is committed to helping servicemembers gain the most from their education.

- ✦ UMGC is a strong supporter of Community College of the Air Force programs. The GEM program allows Air Force students to quickly complete major requirements for CCAF degrees. Through the AU ABC program, UMGC enables CCAF degree holders to easily transfer credits toward a bachelor's degree.
- ✦ ArmyIgnitEd is an online system developed to help Army students move forward academically and achieve their educational goals. Soldiers have unlimited access to educational opportunities, support, and guidance throughout their desired education path.
- ✦ The Military Spouses Career Advancement Account (MyCAA) is a unique financial aid program for military spouses. UMGC provides advisors to assist students with applying and using MyCAA benefits.
- ✦ UMGC Europe is an approved vendor for Army credentialing assistance (CA) funding. See p. 25 and p. 164 for more information about undergraduate- and graduate-level options.

Convenience and flexibility are not the only issues, however. UMGC seeks to create a learning environment that is respectful of diverse backgrounds, inclusive, responsive, and relevant.

Recognizing that financial concerns are often the biggest obstacle to higher education, UMGC also strives to keep tuition costs low and provides numerous financial aid opportunities, including scholarships for military and community college students.

Excellence

A regionally accredited university, UMGC is dedicated to providing the highest quality programs and services and ensuring excellence in its online and on-site courses.

In providing these programs, UMGC relies on a renowned faculty of scholar-practitioners—teachers who bring real-world experience as well as advanced academic credentials to your courses—and the use of the latest technologies. UMGC also is able to provide you with a wealth of resources because of its place within the University System of Maryland.

The success of UMGC's efforts over the years is evident. UMGC has garnered awards from such notable organizations as the World Affairs Council, E-C Council, University Professional and Continuing Education Association, Online Learning Consortium (formerly the Sloan Consortium), and Maryland Distance Learning Association.

CARRYING OUT THE MISSION

Students First

At UMGC, your success as a student is of paramount importance. The university seeks not only to help you fulfill your current education goals but also to create an educational partnership that will last throughout your life.

To that end, the university looks first for ways to ensure that you can easily access programs and services. Admission policies are designed to simplify the process (standardized tests are not generally required), allowing you to apply and register for most programs at the same time.

As a global university, UMGC makes it possible for you to take classes at almost any time, any place, by offering a large selection of online programs—in addition to classes at sites throughout Maryland and the Washington, D.C., metropolitan area and at military sites all over the world. You can also access student services online, virtually, and by phone, as well as on-site at many locations.

Innovation

UMGC has always looked for new and better ways to serve students. Long before the online revolution, the university was delivering courses to students at distant locations, using any and all available technologies—from interactive television to voice mail. Today, you can access both courses and services online, using the university's learning management system and MyUMGC, its online gateway to services and information. Through its Office of Academic Quality, UMGC leads the search for next-generation learning models and best practices for online learning.



PROGRAMS AND FACILITIES

UMGC offers degree programs from the associate level to the doctorate. These academic programs are administered by the School of Arts and Sciences, the School of Business, and the School of Cybersecurity and Information Technology. Most undergraduate and graduate programs are available online. In addition to online options, UMGCEurope offers courses on-site and in hybrid formats at over 50 locations throughout Europe, the Middle East, and North Africa.

The university's administrative headquarters are located in Adelphi, Maryland, and also serve as home to a prestigious art collection and conference facility, the College Park Marriott Hotel & Conference Center at UMGCEurope. UMGCEurope's administrative headquarters are located in Kaiserslautern, Germany.

EDUCATIONAL RELATIONSHIPS

UMGC is dedicated to collaboration and cooperation with other educational institutions, both public and private, throughout the nation and the world. The university has established alliance agreements with more than 66 community colleges across the United States, including all 16 Maryland community colleges.

The university also works to develop strong connections with local and national leaders in business and industry, government, and nonprofit organizations and is an important partner in the region's economic development.

UMGC values employers' viewpoints and has developed customized programs for employers and organizations across the country. Consistent with its mission of bringing convenient and relevant learning opportunities to the workforce, UMGCEurope has developed strong relationships with many prominent employers around the country, including Amazon, GEICO, and ManTech International.

UMGC EUROPE OVERSEAS

UMGC was founded in 1947 as the College of Special and Continuation Studies, a branch of the University of Maryland's College of Education in response to the needs of adult students who turned to higher education in search of brighter futures, better jobs, and more fulfilling lives.

In 1949, UMGCEurope became the first university to send faculty overseas to educate active-duty military personnel in Europe. What started off as a noble experiment, with seven professors in six cities in Germany, has turned into a globally-recognized, award-winning institution that includes graduates from all 50 U.S. states, the District of Columbia, and over 20 countries and territories worldwide. This deep-rooted tradition of serving the military in war and peace continues today. We are honored to celebrate more than 73 years of providing quality education to extraordinary students overseas.

Helping You Get Started

At UMGC, your success as a student is of paramount importance. The university seeks not only to help you fulfill your current education goals, but also to create an educational partnership with you that will last throughout your life.

To help you, UMGC looks first for ways to make it easy for you to get started. Admission policies are designed to simplify the process (standardized tests are not generally required), making it possible for you to apply and register for most programs at the same time. Shorter terms and multiple start dates mean you don't have to wait to take that first class (described on the following page), which is geared to help you transition back to college-level study.

Recognizing that financial concerns often present the most challenging obstacle to higher education, UMGC strives to keep tuition costs low and provides numerous financial aid opportunities, including scholarships for military and community college students, to help you find ways to finance your education (described on p. 25). And to help you at every step—from finding the right program, applying for admission, registering for class, and getting academic and career assistance, to applying for your diploma and graduating—services and resources (described on pp. 46-53) are conveniently available online and by phone, as well as on-site at many locations. Additionally, feel free to visit us six days a week in our UMGC Europe virtual office at: <https://umgc-edu.zoom.us/j/840013102>.

Course Formats and Expectations

As a global university, UMGC makes it possible for you to take classes any time, any place, by offering a large selection of online classes, as well as on-site and hybrid classes that are available at military sites all over the world, plus at sites throughout Maryland and the Washington, D.C., metropolitan area, for maximum convenience and flexibility.

Hybrid classes typically meet on-site at a UMGC location for a number of sessions per term; the remainder of the teaching and learning in the course occurs in the online classroom. The schedule of on-site sessions is provided on our website several weeks before the beginning of the term. Classes offered in a hybrid format are identified by location in the schedule of classes.

Course content, learning materials, requirements, assignments, and class participation are comparable for online, on-site and hybrid courses, and faculty members are engaged and supportive of students in each format. Each of these course formats require that you have access to appropriate technology to participate in asynchronous, computer-based class discussions; study groups; online database searches; course evaluations; and other online activities.

Classroom-Based Study

In Europe, UMGC courses are offered in classrooms on U.S. military bases throughout Europe, the Middle East, and North Africa through long-standing contracts with overseas military commands.

On-site classes meet in a physical classroom. Hybrid classes combine on-site and online instruction and typically meet on-site at a UMGC location for a number of sessions per term; the remainder of the teaching and learning in the course occurs in the online classroom.

Most UMGC Europe locations offer hybrid and web-enhanced on-site courses to various locations in a live stream format via video-teleconference platforms. When students attend a live stream class in an education center, these are considered on-site and abide by the UMGC and VA residency policies for on-site courses.

With new connected formats (due to the COVID-19 pandemic), students attending class at an education center are considered on-site, but students joining a class completely from their home/room are classified as online.

With unit courses, you and members of your unit can take customized on-site courses at a time and location that is most convenient for your unit. Any course can be offered in the unit course format. If you think your unit would benefit from this format, contact your local UMGC Europe representative for more information.

Online Study

UMGC's role as a virtual and global university means that you can participate in the university experience from any place in the state, the nation, or the world that has internet access. UMGC's award-winning online courses and programs offer a technology-enriched experience conducted by the same excellent faculty that teaches its on-site offerings.

Online courses maintain the same academic standards as on-site and hybrid courses. In online courses, you are linked to faculty and classmates via computer and the internet. The faculty member leads discussions, responds to student inquiries, and posts assignments in individual folders online. You are expected to participate frequently in online discussions.

To study online, you should have strong reading and writing skills, as well as a basic knowledge of the Windows environment. Technical requirements for participating in online courses are provided at umgc.edu/techreq.

Another online format is our virtual classes. These classes meet on specific days and times much like on-site courses, only in a secure virtual classroom. Students and faculty interact on a regular schedule and have the opportunity to exchange ideas during discussion. Faculty respond to student inquiries live in person and assignments can be discussed and reviewed. The virtual format has all of the advantages of an on-site class but you can attend from anywhere you are located in Europe, the Middle East, and North Africa.

Finally, the connected/combined format is used when a virtual class meets in the virtual classroom and is connected to an on-site class at the education center. Both sections of the class, virtual and on-site, meet together on the same days and times. Those students who are only attending virtually are considered to be online.

Technology Requirements

General Requirements

To be successful, you must have some type of internet access. Barring individual course requirements, this access may be through use of a UMGc computer lab; university or public library; or other readily available, reliable source if you do not have access at home. In addition, you must have a current email address; you are responsible for your own internet access costs.

Discipline Specific Requirements

Some academic programs may have specific technology requirements, such as requiring you to download and install specific computer programs. To determine if such requirements apply to your program, you should consult the program and course descriptions.

For more information about technology requirements, refer to umgc.edu/techreq.

Cybersecurity and Information Technology Courses

If you are taking upper-level coursework (beyond general education requirements) in a cybersecurity and information technology field, you will need equipment that meets the following specifications:

Hardware Requirements

- ✦ 64-bit processor, Intel Core i5 (7th generation or higher), or equivalent (e.g., AMD, M1)
- ✦ Processor Speed: 1.5 GHz or higher (2GHz recommended)
- ✦ Storage: At least 250G (SSD [preferred] or HD), with at least 30–40 percent free space
- ✦ RAM: At least 4G (8G recommended)
- ✦ Display/Monitor: Minimum 13"
- ✦ Screen resolution: Minimum 1280 px x 1024 px
- ✦ Keyboard and mouse/trackpad
- ✦ High-speed internet connection (Ethernet or Wi-Fi)
- ✦ 32-bit video card

Operating System (one of the following)

- ✦ Windows 10 (recommended; version 1909 or higher required for any course using Adobe Creative Cloud)
- ✦ Mac OS X 10.15 or higher
- ✦ Ubuntu 18.04+ (or other Linux LTS)

Software

- ✦ Office 2019 or later (Office 365 Education is available for free with your student email address)
- ✦ Most recent version/update of a web browser (Firefox, Safari, or Chrome)
- ✦ Antivirus software
- ✦ Adobe Acrobat PDF Reader

Additional Recommendations

- ✦ Built-in camera (or USB port for a webcam)
- ✦ Built-in microphone and speakers (or USB ports for external audio devices)

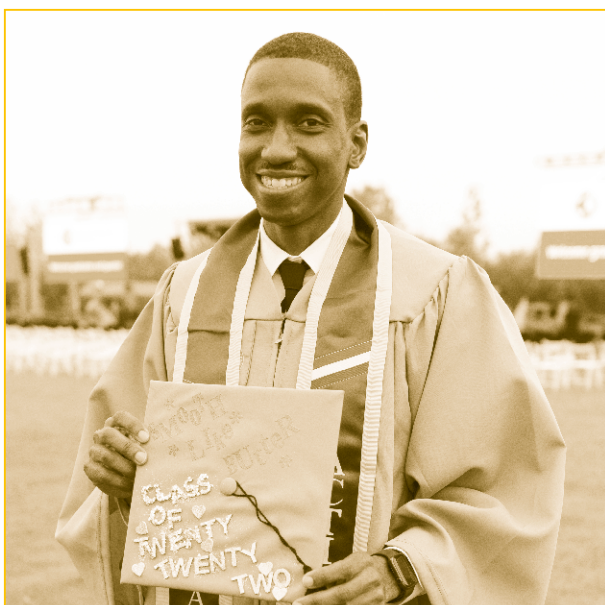
Note: Tablets, Chromebooks, and cell phones will not work with the virtual learning environment.

Graphics- or computing-intensive disciplines may require a higher processing speed, more RAM, and/or better screen resolution. For information specific to individual computing disciplines, see the course descriptions and umgc.edu/techreq.

Expectations

Before registering, you may want to consider the following requirements to be successful as a student:

- ✦ You need to be prepared to write extensively, because nearly all communication is written. You need strong reading and writing skills in English.
- ✦ You need to be competent in the use of computers and commonly used software programs.
- ✦ Because the online classroom is asynchronous and you are expected to be an active participant, you are encouraged to log in frequently to check what has transpired in your online classroom.
- ✦ You are expected to attend class synchronously for on-site, hybrid, and virtual classes on the scheduled days and times, as well as log into the online classroom for assignments and resources.
- ✦ You will need disciplined work habits, effective time management skills, and the ability to work both alone and collaboratively.



First-Term Courses

An array of “first” and preparatory courses are managed by Student Affairs, which is committed to promoting your development and success as a student by providing programs and services that enable you to reach your educational goals. These courses are designed to provide a well-supported and productive start to your academic programs. Faculty members who teach these courses have been selected for their academic credentials as well as for their high degree of engagement and commitment to student success.

Since students come to UMGC with a wide range of academic preparedness and backgrounds in very different fields, the first courses focus on core skills that will prepare you to do well in your succeeding courses and program.

Required Introductory Courses

UNDERGRADUATE

As an associate or bachelor's degree student, you must take PACE 111 Professional and Career Exploration as your first course, when possible. This 3-credit course provides an orientation to UMGC and an exploration of how UMGC academic programs align to professional goals and career options. The aim of this course is to enable you to become familiar with the university's academic culture and expectations; learn about UMGC resources for success; reflect on academic and professional goals; and explore opportunities to accelerate your path to degree completion through transfer credit and other prior learning. There are six models of the course to provide focused insight into the fields of business, communication and humanities, multidisciplinary studies (e.g., any field), public safety, sciences and healthcare, and technology.

If you begin undergraduate study at UMGC with 45 or more transfer credits, you may be eligible to take PACE 100 Professional and Career Exploration for Transfer Students, which is a condensed orientation to UMGC and exploration of how UMGC academic programs align to professional goals and career options. Students who successfully complete this 4-week course will receive the 3 credits equivalent to PACE 111.

GRADUATE

For most master's degree or graduate certificate programs, you must begin your studies with UMGC with UCSP 615 Orientation to Graduate Studies, which is to be taken within the first 6 credits.

This 5-week noncredit course is designed to help you develop the skills and techniques you need to understand and manage the challenges involved in a graduate program and to familiarize you with research strategies and online library resources—material that is critical for 21st-century professionals.

For master's degrees and graduate certificates that do not require UCSP 615, a 6-credit introductory course tailored toward that academic area is required:

- ✦ In the Master of Business Administration program, you are required to take PRO 600 Communicating, Problem Solving, and Leading in Professional Fields.
- ✦ In most cybersecurity programs, you are required to take CBR 600 Communicating, Problem Solving, and Leading in Cybersecurity.
- ✦ In the acquisition and contract management program, you are required to take DCL 600M Decisive Thinking, Communicating, and Leading in Multidisciplinary Fields.
- ✦ In the cloud computing systems and cyber operations programs, you are required to take DCL 600T Decisive Thinking, Communicating, and Leading in Technology Fields.

Preparatory Courses

UNDERGRADUATE

If you are an undergraduate student, you may find a number of courses helpful to your success both during and after your undergraduate studies with UMGC. These include LIBS 150 Introduction to Research and various one-credit courses in career planning, such as CAPL 198A Effective Time Management, CAPL 198B Career Transitions, CAPL 198C Interviewing Skills, and CAPL 398A Career Planning Management.

GRADUATE

As a graduate student, you may find one or more graduate noncredit courses helpful to develop deeper subject knowledge. Preparatory courses (currently designated UCSP or ASC) are available in computer programming, financial accounting, information technology, writing, and research methods and generally last five to eight weeks. If you have been away from university study for a while or lack current experience in the area, these courses may provide a useful refresher. These courses carry no academic risk and are very reasonably priced. Specific recommendations are provided under Preparation Recommended for Success for each individual program. Although these courses carry no UMGC credit, they are graded on an S/U basis (explained on p. 33) and will appear on your official academic transcript. You must be admitted or have an application on file before you can register for any noncredit courses.

Orientation and Getting Started

Local UMGC representatives and academic advisors stand ready in military communities to provide you with on-site and virtual assistance with admissions, registration, financial aid, advising appointments, and more.

Contact information for the UMGC location nearest you is available at europe.umgc.edu/locations.

Before the beginning of each session, UMGC holds special online and on-site orientations for new and prospective students. At these events, you have the opportunity to learn about UMGC and its programs, student services, academic and career options, and meet faculty members and fellow students. When you participate in these special events, you may have your application fee waived. You will find more information at europe.umgc.edu/events.

Admission

UMGC's admission requirements reflect our mission as Maryland's open university.

Eligibility

Active-duty and retired members of the U.S. Armed Forces, American employees of the U.S. government, and their family members located in a contract country may enroll in undergraduate and graduate courses through University of Maryland Global Campus Europe if they meet admission requirements. U.S. military policy requires a valid identification privilege card issued by the military services. Card validation is required after completing the online application. All eligibility questions should be directed to the Student Services Office at UMGC Europe Headquarters.

Undergraduate Admission Requirements

General Requirements

To be considered for undergraduate admission, you must have graduated from a state-approved or regionally accredited U.S. high school (including a DoDEA overseas high school) or achieved one of the following qualifications representing high school equivalency or better:

- ✦ Passing scores on a state high school equivalency exam, such as the General Educational Development (GED) test or HiSet exam
- ✦ Graduation from a homeschool or alternative high school program that meets the criteria set forth by state and local education regulations
- ✦ Graduation from a non-U.S. high school with a credential evaluated as equivalent to a U.S. high school diploma by an approved international credential evaluation agency
- ✦ An associate degree or higher from an accredited postsecondary institution or at least 60 college credits from an accredited postsecondary institution with at least a 2.0 grade point average (GPA) on a 4.0 scale
- ✦ Military service, documented by a Joint Services Transcript (JST) or Community College of the Air Force (CCAF) transcript (On a case-by-case basis, UMGC may accept other military records as proof of high school equivalency.)

High school students who meet certain criteria as described on p. 8 may also be considered for admission and concurrent enrollment.



In addition to meeting the academic criteria listed above, you must be at least 13 years old, meet UMGC's English proficiency requirement, and be in good standing at any institutions that you previously attended, as noted in UMGC Policy 210.00 Undergraduate Admission. Standardized test scores are not required.

You must be admitted to the university before you can register for classes.

UMGC Policy 210.00 Undergraduate Admission is available online at umgc.edu/policies.

Undergraduate Student Status

As an undergraduate student, you are assigned to regular, provisional, or visiting/consortium status.

Regular

To be assigned regular student status, you must meet the general admission requirements. If you attended another institution of higher education within the last two years, you must also have a grade point average (GPA) of 2.0 or higher and be in good academic standing at the last institution of higher education you attended.

As a regular student, you are limited to enrolling in the number of credits set forth in UMGC Policy 215.00 Student Academic Load and Enrollment Status (available online at umgc.edu/policies). Course load is discussed on p. 11.

Provisional

You will be assigned provisional status if you meet the general admission requirements but one of the following conditions applies:

- ✧ You had a GPA lower than 2.0 at the last institution that you attended within the last two years
- ✧ You were on academic probation for poor academic performance at the last institution that you attended within the last two years
- ✧ You were dismissed for poor academic performance from the last institution that you attended within the last two years
- ✧ You are currently a high school student who qualifies for concurrent enrollment. (Additional information about qualifying for concurrent enrollment follows in this section.)

If you are a concurrently enrolled high school student, you maintain your provisional status until you submit proof of high school completion; until that time, you are allowed to take a maximum of 7 credits each term. All other provisional students must complete 7 credits of graded coursework with a cumulative GPA of 2.0 or higher before being considered for regular student status. All provisional students must contact the Student Services Office to request regular student status.

Visiting/Consortium

Colleges and universities serving the military overseas work together as a *consortium*. If you are seeking a certificate or degree with a consortium institution, you can enroll in a limited number of courses with other consortium institutions without paying an additional application fee. These courses must be (a) needed for you to complete your certificate or degree requirements and (b) unavailable from the institution at which you are seeking to earn your certificate or degree.

Note: UMGC Europe also extends consortium status to Community College of the Air Force (CCAF) students.

If you are a visiting consortium student, you must apply online to UMGC as a consortium student and submit an Application Fee Waiver Request at your local UMGC office after applying in order to have your application fee waived. As a visiting student, you are not required to submit your high school transcripts.

If you request an official evaluation from UMGC, you thereby indicate your interest in earning a certificate or degree with UMGC and will be required to pay the UMGC application fee. Your student status will then be changed from visiting to regular. If you are currently attending another institution of the University System of Maryland (USM) as an undergraduate or graduate student, you may take undergraduate courses without applying to UMGC. Instead, you must submit a letter or form authorizing your enrollment at UMGC for the semester in which you wish to attend. The number of credits you may take and the transferability of academic work completed at UMGC is determined by your home institution.

Graduate Admission Requirements

General Requirements for Graduate Certifications and Master's Degree Programs

To be considered for admission, you must have graduated from a regionally accredited degree-granting university or college with a bachelor's degree (or higher). Graduates from other accredited institutions may be considered on a case-by-case basis. Applicants who are not seeking a degree or certificate must meet the same criteria and are limited to taking a maximum of 12 credits.

In addition to the academic criteria listed above, you must meet UMGC's English proficiency requirement, as noted in UMGC Policy 170.10 Graduate Admission (available online at umgc.edu/policies). Standardized test scores, such as the Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT), are not required for most programs. See Graduate Program-Specific Requirements that follow in this section.

You must be admitted to the university before you can register for classes.

Graduate Student Status

As a graduate student, you are assigned regular or visiting status.

Regular

To be assigned regular student status, you must meet the general admission requirements.

As a student in regular status, you are limited to enrolling in the number of credits set forth in UMGC Policy 215.00 Student Academic Load and Enrollment Status (available online at umgc.edu/policies). Course load is discussed on p. 12.

Visiting

If you are attending an institution outside the University System of Maryland, you must apply for admission to UMGC.

Your previous coursework will be reviewed by the appropriate UMGC academic department to see if course prerequisites have been met. The number of credits you may take and the transferability of academic work completed at UMGC are determined by your home institution.

Graduate Program-Specific Requirements

Teaching

To be admitted to the Master of Arts in Teaching (MAT) program, you must meet the standard criteria for graduate admission (detailed on p. 6) and have

- ✦ Completed a major in one of the content areas set forth at umgc.edu/MAT for which certification will be sought (or, subject to UMGC approval, 30 credits in content-related courses) with a cumulative GPA of 2.75 or higher in content area coursework
- ✦ Earned a minimum GPA of 3.0 on your most recently earned degree OR a qualifying composite test score on the Praxis CORE Assessment test or a qualifying composite score on the Praxis I, SAT, ACT, or GRE. (Titles and qualifying scores for these exams can be found at the Maryland State Department of Education at marylandpublicschools.org/about/Pages/DEE/Certification/testing_info/praxis1.aspx.)

Depending on your content area, you may also need to meet additional criteria, as follows:

- ✦ If you are looking to teach computer science and your degree or coursework is older than five years, you must complete the Praxis II content exam for computer science (5652) with a qualifying test score (149) to apply to the MAT program, in addition to completing any one of the Maryland basic skills tests with a qualifying test score
- ✦ If you are looking to teach a foreign language, you may be admitted without having a major or 30 credits in the particular language you wish to teach; however, in that case, you must complete the ACTFL Oral Proficiency Interview (OPI) and Written Proficiency Test (WPT) with scores of Advanced Low, as well as have an overall cumulative GPA of 2.75 or higher in your bachelor's degree coursework and a qualifying score on any one of the Maryland basic skills tests

Information on required documentation, additional materials (i.e., letter of intent and recommendation), and procedures for applying to the MAT program are on p. 10. Note that UMGC's education department will make the determination regarding admission to the program.

Residents of Kentucky may be admitted on a case-by-case basis only.

Note: The complete admission file must be reviewed before you may enroll in any program course.

Special Situations

Applicants Educated Abroad

If you are applying for admission to an undergraduate program and you graduated from a high school not located in the United States (except an overseas DoDEA high school) or one of the countries listed at europe.umgc.edu/admissions, you must demonstrate English language proficiency in one of the following ways:

- ✦ Certifying on the admission application that you earned a passing score on a U.S. GED test or HiSet exam
- ✦ Certifying on the admission application that you earned at least 24 credits from an accredited U.S. institution or from an institution in one of the countries listed at europe.umgc.edu/admissions
- ✦ Submitting a passing score on an English proficiency examination (listed below)

If you are applying for admission to a graduate program and you obtained a bachelor's or master's degree from an institution not located in the United States or one of the countries listed at europe.umgc.edu/admissions, you must demonstrate English language proficiency in one of the following ways:

- ✦ Submitting transcript(s) indicating completion of at least 12 credits of graduate coursework, taken within the last two years with a grade of B or higher from an accredited institution in the United States, which will be considered on a case-by-case basis
- ✦ Submitting a passing score on an English proficiency examination (listed below)

For all programs, the following examination scores will be accepted as proof of English proficiency:

- ✦ A minimum score of 71 if you are an undergraduate student and 79 if you are a graduate student on the internet-based version of the Test of English as a Foreign Language (TOEFL)
- ✦ A minimum score of 525 if you are an undergraduate student and 550 if you are a graduate student on the paper-based version of the TOEFL and a minimum score of 4 on the Test of Written English (TWE)
- ✦ A minimum overall score of 6 if you are an undergraduate student and 6.5 if you are a graduate student on the International English Language Testing System (IELTS), including the academic writing and academic reading modules
- ✦ A minimum grade of Pre-1 on the Eiken Test in Practical English Proficiency
- ✦ A score of 95 if you are an undergraduate student and 105 if you are a graduate student on the Duolingo English Proficiency Test

If you are providing test scores to demonstrate English proficiency, you must arrange to have the official score reports sent directly from the testing agency to UMGC and marked Student Records. The TOEFL score recovery code for UMGC is 5804.

Test scores must be less than two years old. If you are applying to an undergraduate program, you may seek an exception for scores that are more than two years old. Alternative evidence may be accepted as demonstrating English proficiency.

All documentation should be sent to

Attn: Student Records
University of Maryland Global Campus
3501 University Boulevard East
Adelphi, MD 20783-8075

Applicants Expelled or Suspended from Another Institution

FOR ACADEMIC MISCONDUCT

If you were expelled for academic misconduct by any institution in the USM, you are not eligible for admission to UMGC; if you were suspended for that reason, you are not eligible for admission during the period of your suspension.

If you were expelled or suspended for academic misconduct from an institution outside the USM, your case must be reviewed before an admission decision can be made.

FOR DISCIPLINARY MISCONDUCT

If you were suspended from a USM institution under USM's Event-Related Misconduct Policy, you will not be admitted to UMGC during the term of your suspension. If you were expelled under that policy, you will not be admitted to UMGC for one year from the effective date of the expulsion. After that time, you may be considered for admission on a case-by-case basis.

If you were expelled or suspended from a non-USM institution or were expelled or suspended from a USM institution for disciplinary misconduct that was not event-related, you may be considered for admission on a case-by-case basis.

High School Students Seeking Concurrent Enrollment

If you have not completed high school but are currently attending a U.S. regionally accredited or state-approved high school (including a DoDEA overseas high school), you may be admitted as a provisional student. With your application for admission, you must provide a letter of recommendation from the appropriate officials at your high school and a high school transcript. If UMGC determines after a review of this documentation that your record reflects superior scholarship and college readiness, you may be admitted with provisional status.

If you are currently being homeschooled or attending an alternative high school program, you may qualify for concurrent enrollment if your homeschool or alternative high school program complies with applicable state and local education regulations.

As a concurrently enrolled student, you are assigned provisional and nondegree-seeking status. Once you meet all of the general admission requirements, you may contact the Student Services Office to request to be changed to regular degree-seeking status.

Admission Procedures

To apply for admission, you must complete an undergraduate admission application online at umgc.edu/apply and pay the nonrefundable fee. Documentation required for proof of English proficiency is detailed under Applicants Educated Abroad. Other required documentation for various populations is detailed in the following sections.

If you are a former UMGC student, and have not attended UMGC for at least two years, you must submit a new application before you will be allowed to register. However, you will not be required to pay another application fee.

Applications for admission must be submitted online at europe.umgc.edu/apply. Military ID card validation at your nearest UMGC Europe location is required after completing the online application.

Applicants or current students who submit false information on their application may be subject to disciplinary action, as detailed in UMGC Policy 151.00 Code of Student Conduct (available online at umgc.edu/policies).

Applicants to Undergraduate Certificate and Associate and Bachelor's Degree Programs

Once you are admitted to UMGC, you will be assigned an admit term (the academic term in which you are officially admitted, e.g., fall 2022), which will be reflected in your MyUMGC student portal.

You have until the end of the term following your admit term to submit documentation to verify your eligibility for admission to UMGC. If you do not submit the documentation by that deadline, you will not be permitted to register for subsequent terms until documentation is received and accepted by UMGC.

You must submit the following documentation:

- ✧ If you graduated from a state-approved or regionally accredited high school, submit an official transcript from that school.
- ✧ If you served or are currently serving in the U.S. Armed Forces, you may submit a Joint Services Transcript (JST) or Community College of the Air Force (CCAF) transcript as proof of high school equivalency.
- ✧ If you completed a state high school equivalency exam such as the GED or HiSet, submit an official score report.
- ✧ If you graduated from a homeschool or alternative high school program, submit documentation showing high school completion and compliance with state and local education regulations for the state in which you were

homeschooled or attended an alternative high school program.

- ✧ If you graduated from a non-U.S. high school, submit documentation of your education to a UMGC-approved international credit evaluation agency and have the credit evaluation agency submit its recommendations to UMGC. For a list of UMGC-approved international credit evaluation agencies, see europe.umgc.edu/internationalcredit.
- ✧ If you graduated from high school and have completed at least 30 college-level credits, you are not required to submit documentation of high school graduation if you submit official documentation of at least 30 completed college-level credits from one or more of the following sources:
 - UMGC-approved two- and four-year colleges and universities
 - Professional noncollegiate coursework
 - Military occupational specialties and experience
 - Vocational and technical coursework
 - Professional or technical coursework based on statewide agreements and alliances
- ✧ If you have not graduated from high school but have completed an associate degree or higher or at least 60 college-level credits, submit official documentation of the completed degree or at least 60 college-level credits from one or more of the sources listed above.

You need not submit proof of standard examinations.

Applicants to Graduate Certificate and Master's Degree Programs

To be admitted to most graduate programs or to take graduate courses without pursuing a degree, you must submit official transcripts demonstrating completion of a bachelor's degree from a regionally accredited degree-granting university or college or other accredited institution (approved by UMGC on a case-by-case basis) by the last day of your first term of enrollment at UMGC.

Until the university receives your official transcript and verifies your completion of a bachelor's degree, you are limited to enrolling in no more than 6 credits of graduate coursework. Failure to submit official transcripts by the last day of your first term of enrollment at UMGC will result in your being prevented from enrolling in additional graduate courses at UMGC until such transcripts are submitted and verified by UMGC.

Internationally educated applicants are subject to the admissions requirements for applicants education abroad.

You may apply to all UMGC Europe graduate programs online at europe.umgc.edu/apply.

PROGRAM-SPECIFIC PROCEDURES

Some master's degree programs require the submission of official transcripts before you can be admitted and enroll in classes. These programs have specific admission requirements and/or prerequisite coursework, described under Graduate Program Specific Requirements and on the UMGC Europe website. A list of the programs that require submission of a transcript before admission is available at umgc.edu/admission-transcript. Depending on your program, your official transcript may need to reflect specific coursework and/or a given GPA. You may also be required to provide documentation of industry certification, test scores, or military status.

Master of Arts in Teaching

If you are applying to the MAT program, you must also provide a letter of interest and a recommendation. You can find the deadlines for application to the MAT program, information on how to submit test scores, and information on how to conduct a self-assessment of your transcript for your preferred content area at umgc.edu/mat.

Military-Affiliated Students

Military servicemembers may apply to all UMGC programs online via MyUMGC at umgc.edu/apply. **Note:** If you intend to use military TA benefits, you must contact your educational services officer or counselor within your branch of service for details on eligibility and your military branch's process for submitting TA forms before you submit an application for admission to UMGC.

Students Seeking Readmission

If you have not enrolled in classes at UMGC for a period of two years (six or eight terms, depending on the program) or more, you must reapply for admission before you will be allowed to resume enrollment. However, you need not pay another application fee.

Refer to the requirements section of the degree or certificate you plan to pursue for information on continuous enrollment and the requirements you must follow.

If you have been academically dismissed, you may not register for classes. For more information on reinstatement after academic dismissal, see p. 37. Reinstatement is not guaranteed.

Military Servicemembers Seeking Readmission

If you discontinued your studies with UMGC because of your military service obligations and would like to return as a student, email studentservices-europe@umgc.edu within three years after completion of military service to seek readmission. The cumulative length of all absences

for military service time may not exceed five years. If the program in which you were enrolled no longer exists, UMGC will enroll you in the most similar program, unless you request or agree to a different program.

Unless precluded by military necessity, you should provide oral or written notice of a service obligation to Student Services at studentservices-europe@umgc.edu or +49-(0)631-56000-90000 as far in advance as possible. Refer to UMGC Policy 210.12 Readmission for Military Servicemembers at umgc.edu/policies for more information.

Students Relocating Between UMGC Divisions

Relocating to Asia or Stateside with UMGC is simple. It is important for you to notify UMGC when you are relocating to a new duty station, so residency and tuition may be accurately determined.

If you plan to relocate from one UMGC division (stateside, Europe, or Asia) to another and you have attended classes with UMGC within the last two years, you must complete and submit a Relocation Form before the start date of the term in which you intend to begin study at the new division. This form may be accessed via the MyUMGC portal under Helpful Links. There is no fee for relocations. If you have not attended UMGC within the last two years, you will need to complete the regular UMGC admission application instead and indicate the division that you wish to attend by answering the questions presented.

Cross-Enrollment Between Programs

You may be admitted either as an undergraduate or a graduate student, but you may not hold both classifications simultaneously.

Generally, you are not eligible to enroll in courses outside your degree program. However, if UMGC has developed a vertical pathway between undergraduate and graduate programs, specific courses may apply to both of the degree programs. In such cases, you are eligible to cross-enroll and will be charged the undergraduate rate for undergraduate courses and the graduate rate for graduate courses.

As a graduate student, you may be enrolled in only one master's degree program at a time, and you may not enroll in courses outside your degree program. If you change graduate degree programs, you may not enroll in courses in the new degree program until the current term is completed.

Enrollment Information

You can find information about schedules, session dates, and registration on the UMGC Europe website or at MyUMGC.

Ways to Register

Registration begins each session as soon as the course schedule becomes available on the web and continues until the deadline listed. Check the current schedule of classes (webapps.umgc.edu/soc/europe/) and the online academic calendar (europe.umgc.edu/schedule) for registration information.

UMGC offers a number of ways to register for most courses, including online (via MyUMGC) and on-site registration.

Registration Process

All students must

- ✦ Complete an application online at europe.umgc.edu/apply and pay the nonrefundable \$50 application fee when applying for the first time
- ✦ Register online through MyUMGC or visit your local UMGC office for assistance
- ✦ Complete and process the appropriate forms if receiving government tuition assistance (TA) or VA education benefits (information about military TA deadlines is found at europe.umgc.edu/tadeadlines)
- ✦ Pay all tuition and fees in full prior to the first class meeting

Priority Enrollment for Veterans

If you have a past-due balance, your record will have a hold that prevents you from enrolling in additional UMGC course(s). An exception may apply if you are receiving veterans education benefits. Once you have completed the steps to request certification of your enrollments for veterans benefits, and if your benefit type pays directly to the school, and the past due balance is within the current term, you will be allowed to enroll for additional classes. This exception is designed to allow eligible veterans to enroll while awaiting payment of veteran education benefits.

Waiting List

If an on-site, hybrid, or virtual class is already full at the time of registration, you can place your name on a waiting list for that class.

Regardless of how you register, the following policies apply:

- ✦ You may put your name on the waiting list for up to six on-site or hybrid courses or sections.
- ✦ You may not attend a class for which you are on the waiting list.
- ✦ If you are already enrolled in a different section of the same class for which you are waitlisted, you will not be enrolled in the waitlisted section even if space becomes available.
- ✦ If you are already enrolled in the maximum number of allowable credits and you are on a waiting list for another course, you will not be registered in the additional course even if space becomes available in the class.
- ✦ Faculty members and academic advisors are not authorized to add you to closed classes.
- ✦ If a space becomes available and you are the next person on the waiting list, you will automatically be registered for that class, and the charge will appear on your account. You will be notified of the enrollment by email. If you are ineligible for enrollment (because you have not met prerequisites or are enrolled in another class that conflicts in time), the space will go to the next person on the waiting list.
- ✦ If you no longer want a class, you should remove your name from the waiting list to prevent the possibility of being automatically enrolled and charged for the class.

The waiting list option is not available for online classes.

Course Load

UMGC's complete policy 215.00 Student Academic Load and Enrollment status may be found at umgc.edu/policies for more information.

Undergraduate

Full-time enrollment is defined as 12 or more credits per term (fall, spring, summer) and half-time as 6 to 11 credits per term. Decisions on the number of courses you can successfully complete in any one session are normally left to your discretion.

Most UMGC students register for between 3 and 7 credits, and you are strongly advised not to exceed this limit. Carefully and realistically assess your other commitments before you register for more than 7 credits. You may not register for more than 18 credits in a 17-week period without written permission.

To initiate the permission process, contact your academic advisor. Permission to register for more than 18 credits is at the university's discretion and is based on demonstrated academic excellence at UMGC. A minimum GPA of 3.5 and an enrollment history indicating success in carrying a heavier-than-average course load at UMGC are required.

You may not register for on-site/hybrid courses whose scheduled meeting times overlap.

Graduate

If you are enrolled in a master's program that operates on a three-term calendar for the academic year, you are considered a full-time graduate student if you are registered for at least 9 credits of graduate coursework per term and half-time if you are enrolled for 6 credits per term.

If you are enrolled in a program that operates on a four-term calendar for the academic year, you are considered a full-time graduate student if you are registered for 6 credits per term.

Given the time commitment required for graduate study, the normal academic load is 6 credits per term. UMGC strongly recommends that you limit your academic load to conform with the demands of your employment and the time you have to prepare for class.

Taking more than 6 credits per term is not allowed in any program that operates on a four-term calendar but may be allowed in programs that operate on a three-term calendar, if certain conditions are met.

If you have a compelling need to take more than 6 credits per term (and are enrolled in a program that allows course overloads), you may submit to your academic advisor a written request to take 3 additional credits of coursework (i.e., one additional course). You must have fulfilled the prerequisites for the additional course you wish to take. In the request, you must indicate your acceptance of the academic risk entailed in adopting the course overload.

To be considered for a course overload, you must

- ✦ Be a degree- or certificate-seeking student
- ✦ Have a 3.0 GPA

Dropping or Withdrawing from Classes

Procedures

To cancel your enrollment in a class without any mark on your transcript (dropping a class), you must access the MyUMGC portal and follow the steps for dropping a class before the end of the drop period.

When you drop a class, all tuition charges for that course are removed from your student account and no mark or record of the course will appear on your transcript.

If you wish to cancel enrollment in a class after the drop period ends (i.e., withdraw from a class), you must access the MyUMGC portal and follow the steps for withdrawing from a class before the end of the withdrawal period.

Withdrawing from a class will result in a mark of W (described in a later section) on your academic transcript. You may be refunded a portion of your tuition based on the withdraw date and the refund schedule. You will be responsible for any remaining tuition due.

You should be careful to note deadlines according to your class format (on-site, online, or hybrid) and division (Stateside, Europe, or Asia). According to UMGC Europe policy, if you register for:

- ✦ on-site classes or weekend seminars, you must officially withdraw no later than the day before the final class.
- ✦ hybrid classes, you must officially withdraw no later than Sunday-9 days prior to the end date of the class.
- ✦ online classes, you must officially withdraw before 65 percent of the total number of days in a session has expired. (Dates for the online drop period are found at umgc.edu/academiccalendar.)

Failure to drop or withdraw from a class in the appropriate manner or by the posted deadlines may result in your receiving a failing grade and forfeiting any refund. The following actions do not constitute dropping or withdrawing from a course:

- ✦ Stopping payment on checks
- ✦ Non-payment of tuition charges
- ✦ Never attending or participating in a class
- ✦ Ceasing to attend or participate in a class

More information about dates and refunds for drops and withdrawals is found at europe.umgc.edu/withdrawal.

Effect on Student Aid

If you are using financial aid and/or veterans benefits, you are strongly encouraged to contact the Financial Aid Office or Veterans Affairs Office before you drop or withdraw from a class to fully understand the impact of such an action on your current and future financial aid awards and/or veterans benefits. Withdrawing from class could leave you responsible for a portion of the tuition.

If you are using military tuition assistance, you should contact your military education counselor or education services officer for guidance on withdrawals related to emergencies or official duty requirements before dropping or withdrawing from a class to fully understand the impact of such an action on your current and future military tuition assistance benefits.

Ways of Earning Credit

UMGC excels in combining access with academic quality. It opens doors to learning by bringing education to you wherever you may be. Because UMGC understands the importance of lifelong learning, it has established academic policies that encourage the appropriate use of transfer credit from other institutions as well as credit from less traditional sources. Recognizing that adult students bring to the university not only a willingness to learn but also an educational history informed by experiential learning, UMGC incorporates the assessment of nontraditional learning (i.e., learning gained outside the classroom) into the evaluation of student competencies and academic credit.

Earning Credit at UMGC

Classroom and Online Study

UMGC uses the latest technology to extend degree opportunities to you. Most of UMGC's degree and certificate programs allow blended formats to suit your schedules and preferences. UMGC courses observe the same standards of quality regardless of delivery format. Any given course maintains the same intended learning outcomes and requirements, awards the identical amount of academic credit, and may be applied toward the same undergraduate degrees and certificates whether it is delivered in a stateside classroom, overseas, or online.

As a UMGC Europe student, you can take courses overseas in classrooms at over 50 sites in Europe, the Middle East, and Africa. You can also attend class worldwide in UMGC's online courses. Additionally, you may be able to enroll in field study courses held at significant cultural locations (see p. 170 for more information) or attend a class specifically scheduled for you and your unit.

Both classroom and online programs are also supported by a full range of student services and academic resources—from extensive online library databases to admission, academic advising, and registration—that can be accessed on-site, online, and by phone.



Resident Credit

Study in the overseas divisions establishes resident credit with University of Maryland Global Campus. Since both faculty members and courses overseas meet academic standards set by the university, courses offered overseas carry resident credit identical to that earned in the stateside programs of UMGC. Thus you may earn a UMGC associate, bachelor's, or master's degree or certificate entirely through study overseas or in combination with study in Maryland, the Washington, D.C., metropolitan area, and other stateside locations. In addition to on-site classroom courses, UMGC offers an extensive array of courses through its acclaimed online program, all of which carry UMGC resident credit.

Transfer Credit from Outside Sources

Undergraduate Transfer Credit

UMGC accepts credit from a variety of outside sources. Sources include

- ✦ Regionally accredited two- and four-year colleges and universities and other accredited institutions, including vocational and technical colleges, that have been approved by UMGc
- ✦ Other higher education institutions with whom UMGc has an articulation agreement for acceptance of credit and/or a joint program
- ✦ Non-U.S. institutions based on UMGc review of an international credit evaluation agency approved by UMGc
- ✦ High schools with which UMGc has an articulation agreement for acceptance of credit
- ✦ Corporate training or coursework; military occupational specialties, training, and experience; vocational and technical organizations; and industry certifications evaluated by nationally recognized credit evaluation agencies, such as the American Council for Education (ACE) or National College Credit Recommendation Service (NCCRS), or evaluated and approved by UMGc
- ✦ Standardized examinations (listed later in this section)

Criteria for each type of credit are detailed in the following sections.

Be sure to discuss all previous experience and training with your academic advisor to ensure that you request evaluation from all the sources that are available to you.

Credit Limits

Credit transferred from outside sources is subject to maximum allowances, including

- ✦ 70 credits (45 credits for the associate degree) from two-year institutions
- ✦ 90 credits from all sources combined toward the bachelor's degree (45 credits for the associate degree)

No more than half the credits required (usually 8 or 9 credits) from all sources combined may be applied to a certificate program.

Sources, Requirements, and Restrictions

If you have earned credit at another college or university, you are responsible for determining whether courses you plan to take at UMGc would duplicate any previously earned credit and for submitting all official transcripts from colleges and universities you attended, as well as documentation of military and professional learning and pertinent test scores (CLEP, AP, etc.)—regardless of whether they appear on a previous college transcript or not.

UMGC does not accept transfer credits for remedial, precollege, or sectarian religious courses. If you plan to transfer credit from other institutions to UMGc, you may request a Fast Plan for a review of your previous credit to determine how those credits may apply to a degree from UMGc. Official transcripts are required for UMGc to evaluate and award transfer credit on your official evaluation. For nontraditional sources of credit, other documentation is required as set forth in the sections that follow. Transfer credit is granted only if it is applicable to your chosen program.

You are encouraged to consult a UMGc academic advisor before registering. Academic advisors are available to provide you with a Fast Plan (Tentative Evaluation) which helps you determine your progress toward a degree and which credits may transfer. If you are in doubt about whether a UMGc course duplicates previous study, you should consult your academic advisor before registering.

UMGC Policy 210.18 Undergraduate Transfer Credit Evaluation and Appeal Process and UMGc Policy 210.17 Graduate Transfer Credit Evaluation and Appeal Process are available at umgc.edu/policies.

CREDIT FROM OTHER COLLEGES AND UNIVERSITIES

Transfer credits from approved two- and four-year colleges and universities for courses in which you earned a grade of at least C (2.0) may be accepted for courses that apply to your undergraduate certificate or degree program and do not duplicate other courses for which credit has been awarded. Transfer credit for another institution's course-challenge examinations and prior learning program may be accepted if it is listed on your transcript with a passing grade.

APPROVED INSTITUTIONS FOR UNDERGRADUATE TRANSFER CREDIT

Approved institutions include those accredited by the following regional associations:

- ✦ Higher Learning Commission
- ✦ Middle States Commission on Higher Education
- ✦ New England Commission of Higher Education
- ✦ Northwest Commission of Colleges and Universities
- ✦ Southern Association of Colleges and Schools, Commission on Colleges
- ✦ Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges
- ✦ Western Association of Schools and Colleges, Senior Colleges and Universities Commission

Credit from other accredited institutions may be approved based on a case-by-case basis.

Credit from Community Colleges, Junior Colleges, and Vocational and Technical Colleges

A total of 70 credits from approved two-year institutions (community colleges, junior colleges, or vocational and technical colleges) may be applied toward a bachelor's degree at UMGC. A maximum of 45 credits may be applied toward an associate degree and as many as 9 credits may be counted toward a certificate with UMGC. If you have already completed 70 credits, you may not apply further credit from a two-year institution to a bachelor's degree from UMGC.

If you initially enrolled in any of the public community colleges in Maryland, general education credit is transferred in conformance with the policy developed and approved by the Maryland Higher Education Commission, subject to any limitations under federal law. Additional information is presented in the section on transfer policies, found in UMGC Policy 210.18 Undergraduate Transfer Credit Evaluation and Appeal Process at umgc.edu/policies. If you have participated or are participating in one of the community college alliances with UMGC and plan to enroll in courses at both institutions concurrently, you should consult with academic advisors at both institutions.

Credit from Institutions Outside the United States

Study at institutions outside the United States must be evaluated by an approved international credit evaluation agency to be considered for transfer credit.

If you are seeking a review of potential transfer credit from a non-U.S. postsecondary educational institution, you must

- ✦ Mail your official international transcripts to an approved credit evaluation agency (listed at europe.umgc.edu/internationalcredit)
- ✦ Pay fees associated with the international evaluation

More details are available online at europe.umgc.edu/internationalcredit.

Credit from Military Institutions or Military Experience

UMGC grants credit for military experience and study completed in service schools on the basis of the recommendations by the American Council on Education (ACE) in *Guide to the Evaluation of Educational Experiences in the Armed Services*. Courses taken at accredited military institutions may also be accepted as part of an articulation agreement; they must meet other UMGC requirements for transfer credit, and they are subject to the same limitations as those placed on nonmilitary credit. UMGC generally accepts ACE recommendations for lower- and upper-level credit.

Credit from Community College of the Air Force (CCAF)

UMGC awards credit for study at technical schools of the U.S. Air Force in accordance with recommendations from the Community College of the Air Force (CCAF). Credits must be applicable to your chosen degree plan at UMGC, must meet other UMGC requirements for transfer credit, and are subject to the same limitations as those placed on nonmilitary credit. The following conditions apply:

- ✦ All credit from the CCAF is lower level.
- ✦ Since the CCAF records satisfactorily completed courses as S (satisfactory) and specifies that S equals a grade of C or higher, credit may be applied to your undergraduate UMGC degree program as determined by UMGC.
- ✦ Courses that are vocational or technical may be used only as electives in an undergraduate degree program.

Credit for Army, Navy, and Marine Training

A Joint Services Transcript (JST) should be submitted for evaluation. The JST is the most effective means of documenting the learning servicemembers have acquired through their military experiences. The JST can be requested online after establishing a JST account at <https://jst.doded.mil/official.html>.

If the following items are listed on your JST, additional documentation is not needed for: SQT or SDT results, scores on CLEP and DSST exams, and Defense Language proficiency tests (DLPT). For example, if all CLEP and DSST tests are included on the JST transcript, you do not need to submit a DSST transcript as well.

If you are seeking credit for work not documented on the JST transcript, you should submit other documentation to verify your experiences. For DLPT, the National Cryptologic Institute, and Army Logistics University (ALU), official transcripts must be requested directly from the issuing institution.

For further information about how additional documents in conjunction with ACE credit recommendations can lead to the assignment of credit applicable to the degree, contact your academic advisor.

Credit from Noncollegiate Courses and Training

UMGC may accept for credit noncollegiate courses and training applicable to your degree program that have been evaluated by either ACE (if the courses are listed in the *National Guide to Educational Credit for Training Programs*) or the National College Credit Recommendation Service (formerly PONSI).

Graduate Transfer Credit

For Most Graduate Programs

Up to 6 credits of graduate coursework may be considered for transfer to UMGc graduate degree programs that do not require CBR 600, DCL 600M, DCL 600T, or PRO 600, if the credits were earned at an approved institution and if they are applicable to your program of study. Up to 3 graduate credits may be accepted in transfer for a graduate certificate program.

UMGC may accept more than the usual maximum of 6 credits toward a degree program (or 3 credits for a certificate program) based on agreements with third parties.

Decisions regarding your eligibility to enter a graduate program and receive transfer credit based on agreements with third parties are made at the time of admission and may not be made retroactive after enrollment.

Graduate credits offered for transfer credit must be reviewed for approval and meet the following criteria:

- ✦ The credits must have been earned as graduate credit.
- ✦ The credits must have been awarded within the time limit for the degree or certificate.
- ✦ You must have earned a grade of B (3.0) or higher in the courses considered for transfer. (However, these grades are not included in the calculation of your grade point average.)
- ✦ The department advisor and the program chair must have determined that the transfer courses are relevant to your program of study.
- ✦ The credits must have been earned at an approved institution and be equivalent to graduate-level coursework or recommended for graduate-level credit by the American Council on Education (ACE) or other nationally recognized bodies or as part of an approved articulation agreement.

For Programs that Require CBR 600, DCL 600M, DCL 600T, or PRO 600

Up to 6 credits of graduate coursework may be considered for transfer as replacement for CBR 600, DCL 600T, or PRO 600, if earned at an approved institution.

If you have previously earned a master's degree from an approved institution, you are eligible to receive transfer credit for CBR 600, DCL 600M, DCL 600T, or PRO 600 in recognition of the fundamental competencies essential for successful completion of a graduate degree program. If you have earned graduate credit but have not earned a master's degree, you may request a review of transfer credit for CBR 600, DCL 600M, DCL 600T, or PRO 600.

All graduate credits offered for transfer credit in replacement of CBR 600, DCL 600M, DCL 600T, or PRO 600 are reviewed for approval and must meet the following criteria:

- ✦ Credits must have been earned as graduate credit.
- ✦ A grade of B or higher must have been earned in the courses considered for transfer. These grades, however, will not be included in the calculation of the grade point average at UMGC.
- ✦ Credits must have been earned at an approved institution and be equivalent to graduate-level coursework or recommended for graduate-level credit by ACE.

Approved Institutions for Graduate Transfer Credit

Approved institutions include those accredited by the following regional associations:

- ✦ Higher Learning Commission
- ✦ Middle States Commission on Higher Education
- ✦ New England Commission of Higher Education
- ✦ Northwest Commission on Colleges and Universities
- ✦ Southern Association of Colleges and Schools Commission on Colleges
- ✦ Western Association of Schools and Colleges Senior College and University Commission

Credits from other accredited institutions may be approved on a case-by-case basis.

More information is available in UMGC Policy 210.17 Graduate Transfer Credit Evaluation and Appeal Process at umgc.edu/policies.

Credit Options to Accelerate Degree Progress

Prior Learning

Learning acquired outside the college classroom may be assessed for credit toward an undergraduate degree at UMGC if your work and life experience aligns to an undergraduate course at UMGC, as determined by UMGC. There are several methods to obtain credit for your work and life experience, including Course Challenge, Portfolio Assessment, and a variety of recognized external standardized assessments. Academic advisors can help you determine the best routes to use in fulfilling any academic plan.

Course Challenge

Course Challenge is a comprehensive assessment of the material that is normally presented through a full term-length UMGC undergraduate course. The assessment provides the opportunity for you to establish academic credit for competencies gained outside the classroom for which you have not already earned academic credit.

While some course challenges may consist of a final exam, the challenge can include other requirements based on the course chosen. These can include research papers, computer programs, language tapes, or other documents that exhibit the competency for which you are seeking credit. Requirements are set by the applicable academic department.

If you are an undergraduate degree- or certificate-seeking student at UMGC, have received an academic advisement report, and have a cumulative grade point average of at least 2.0 in UMGC coursework, you may be eligible for course challenge.

Course Challenge is not intended as a substitute for independent study. Not all courses are available for course challenge. Academic advisors and Prior Learning office staff can inform you about specific courses that may not be challenged.

Only one course in a sequence may be challenged at a time, and you may not challenge a course that is prerequisite for a higher-level course you have already taken. In addition, you may not challenge capstone courses (usually numbered 485 or 495), Workplace Learning courses (numbered 485A/B), CAPL 398A, or EXCL 301.

You may not seek to challenge foreign language courses of your native language, except upper-level courses of your native language when those courses emphasize linguistics, literature, or written translation to and from English. You may not receive credit for 100- or 200-level courses in your native language.

Course challenge assessments may not be taken more than twice and also may not be taken for courses for which you have previously enrolled. Other restrictions may apply.

Credit earned by course-challenge is assigned a letter grade that is computed in your grade point average and may be applied toward a first or second bachelor's degree, an associate degree, or toward a certificate.

Course challenges may only be canceled before you receive the assessment. Refunds are given only if a suitable assessment cannot be prepared. More information on course-challenge examinations is available by contacting your academic advisor or at the Prior Learning Office at priorlearning@umgc.edu.

Portfolio Assessment

Portfolio Assessment is a unique way for you to articulate and identify college-level learning you have gained from work, community or political involvement, or other noncollegiate experiences and earn undergraduate credit for it. To be eligible for Portfolio Assessment, you must

- ✦ Have been admitted to UMGC as an undergraduate student.
- ✦ Have a recent copy of your academic advisement report, updated in the last six months by an academic advisor.
- ✦ Completed an application for Portfolio Assessment.

After you are accepted into the program, you must enroll in EXCL 301 Learning Analysis and Planning. EXCL 301 is a 3-credit course in which you prepare a portfolio describing and documenting the college-level learning you have gained from past experiences and how it aligns to a particular UMGC course. Because EXCL 301 is a demanding and complex course, UMGC recommends you should not register for more than one other course during the session in which you are enrolled in EXCL 301 if you are enrolled part-time.

EXCL 301 is graded on an S/D/F basis (explained on p. 34). If the quality of your work in the portfolio merits a grade of C or higher, a grade of S is awarded and the portfolio is forwarded for credit evaluation. Faculty members from the appropriate disciplines assess the portfolio and recommend whether to award credits.

Credit earned as a result of portfolio evaluation also earns a grade of S. The S grade is not computed in the grade point average and is not applicable toward honors.

If the quality of your work in the portfolio merits a grade of D or lower, the portfolio will not be forwarded for credit evaluation.

If you successfully complete EXCL 301 with a grade of S and submit a portfolio for evaluation, you may enroll in a supplemental class (EXCL X001) to complete additional portfolios. The supplemental class may be taken more than once but it confers no credit and may not be applied toward degree completion. If you take this option, you may not target courses for which you were denied credit in EXCL 301 or EXCL X001.

Portfolio Assessment credits may be awarded at both the upper and lower levels. Credits earned do not fulfill requirements for graded coursework and so may not exceed half the total credits for a major, minor, or certificate.

You may not request or receive credit through Portfolio Assessment for learning for which credit has been awarded by other means. You may not request Portfolio Assessment for 100- and 200-level courses in your native language. In addition, certain specialized courses may not be available for credit via Portfolio Assessment.

Credit for EXCL 301 is charged at the current tuition rate. Tuition for the course covers evaluation of documentation for up to three courses. Evaluations for courses beyond these first three incurs additional fees, which are applicable to all students, including those receiving financial aid. Visit umgc.edu/tuition-archive for information on additional fees.

You should carefully review the requirements, rules, and procedures for Portfolio Assessment. More information may be obtained by contacting your academic advisor or at umgc.edu/priorlearning.

Workplace Learning

Workplace Learning offers an opportunity for you to gain experience and develop new knowledge and skills in your chosen discipline while you earn upper-level college credit through an integrated model that puts theory into practice and enables you to accelerate completion of both your academic and career goals.

To be eligible for Workplace Learning, you must

- ✦ Be an undergraduate student at UMGC.
- ✦ Have completed 30 credits, including transfer credit, toward a degree (if you are seeking a degree).
- ✦ Have completed at least 9 credits in the discipline in which you plan to do your Workplace Learning project.
- ✦ Have completed at least 6 credits at UMGC.
- ✦ Have a GPA of 2.0 or higher at UMGC
- ✦ Have submitted all official transcripts and contacted an academic advisor to request an official evaluation
- ✦ Be working in a position or have identified an opportunity to work in a position that allows you to apply classroom theory to practical projects that involve significant analysis and problem solving and are directly related to a given academic discipline. The position should allow you to have new learning experiences; Workplace Learning will not be approved for day-to-day work tasks that have already been mastered. (Position may be paid or unpaid, part- or full-time.)

To participate in Workplace Learning, you must first apply to the program by the deadline published in the MyUMGC student portal. Once you are notified of your eligibility, you must develop a learning proposal that identifies several project tasks representing the new learning to be acquired as a result of the work experience; a faculty member in the appropriate discipline then reviews the learning proposal to ensure that it constitutes upper-level college learning. If your learning proposal is approved, you are given permission to register for Workplace Learning. Your learning proposal is then developed into a three-way learning contract among your employer, you, and your faculty mentor.

Throughout the Workplace Learning experience, you work under the supervision of your employer on completing several of the identified project tasks and the faculty mentor on completing the academic assignments required to earn college credit for your work experience. The project tasks for the employer constitute the course content, which is augmented by the reflective academic assignments written for review by the faculty mentor. During the Workplace Learning session, which typically lasts 15 weeks, you are required to communicate regularly with your faculty mentor, who will also maintain regular contact with your supervisor at work.

You may earn either 3 or 6 credits during the Workplace Learning session and must work 45 hours per credit. To earn 3 credits, you must complete a minimum of four projects and work a total of 135 hours. To earn 6 credits, you must complete a minimum of five projects and work a total of 270 hours.

Workplace Learning projects may be developed in all undergraduate disciplines. Courses are listed in the UMGC catalog with the designator of the discipline and numbered 486A (for 3 credits) or 486B (for 6 credits). For example, a 3-credit Workplace Learning course in business and management would be listed as BMGT 486A, a 6-credit course as BMGT 486B. Tuition for the Workplace Learning course is charged at the current rate per credit.

Workplace Learning courses may not be used to satisfy general education requirements or (unless otherwise specified) required academic coursework in the major. However, Workplace Learning credits may be applied to electives as well as to designated upper-level requirements in the major or minor. A standard letter grade is awarded for successful completion of Workplace Learning courses. It is strongly recommended that you consult with a UMGC academic advisor to determine how Workplace Learning credits may help you fulfill degree requirements.

Review the information, policies, and procedures detailed online at umgc.edu/wkpl or email workplacelearning@umgc.edu for assistance.

Credit by Examination

UMGC may award credit toward a certificate, an associate degree, or a bachelor's degree for various examinations, provided that there is no duplication of other academic credit, and the scores presented meet UMGC's standards.

Examinations may include

- ✦ Advanced Placement examinations administered by the College Board
- ✦ Cambridge International Examinations
- ✦ College-Level Examination Program (CLEP)
- ✦ DANTES Subject Standardized Test (DSST) examinations
- ✦ Excelsior College Examinations (formerly called ACT/PEP and Regents examinations)
- ✦ International Baccalaureate exam
- ✦ Approved industry certification examinations (listed online at europe.umgc.edu/creditbyexam)

UMGC also accepts credit for the following:

- ✦ Various professional examinations evaluated by the American Council on Education (ACE) or the National College Credit Recommendation Services (NCCRS)
- ✦ Examinations offered by other approved colleges and universities that appear on an official transcript, as approved on a case-by-case basis

If you intend to transfer exam credit that was awarded at another college or similar institution, you must have a transcript of those scores sent directly to UMGC from the examining body.

When those scores have been received, an academic advisor will determine whether they meet the standards established at UMGC for granting credit and how much credit may be awarded. Credit earned through examinations may be used to fulfill major, minor, general education, or elective requirements, as applicable.

If you have questions about credit by examination, you are encouraged to consult a UMGC academic advisor. For more information, visit europe.umgc.edu/creditbyexam.

Advanced Placement

Advanced placement and college credit may be granted on the basis of scores on a College Board Advanced Placement (AP) examination. These examinations are normally administered to eligible high school seniors during the May preceding matriculation in college. For information about requesting AP transcripts, visit apstudents.collegeboard.org/sending-scores.

If you intend to transfer AP credit that was awarded at another college or similar institution, you must have a transcript of those scores sent directly to UMGC from the College Board.

When those scores have been received, an academic advisor will determine whether they meet the standards established at UMGC for granting AP credit and how much credit may be awarded.

Cambridge International Examinations

UMGC accepts credit for advanced-level exams taken through Cambridge International Exams when scores meet UMGC standards. Official transcripts, with scores, must be sent directly to UMGC for review.

College-Level Examination Program (CLEP)

Credit may be awarded for general examinations in the College-Level Examination Program (CLEP). Your scores must meet UMGC standards. UMGC may award 6 credits each for the examinations in English, mathematics, natural sciences, social sciences and history, and 3 credits in humanities.

You may also earn credit by successfully completing certain subject-area examinations. Contact your local academic advisor for details or find more information at europe.umgc.edu/ntc.

DSST Examinations

Credit may be awarded for successfully completing certain DSST Tests (formerly known as DANTES Subject Standardized Tests). Academic advisors have information on which tests are acceptable or find more information at europe.umgc.edu/ntc.

INSTITUTIONAL EXAM CODES FOR UMGC

For official exam results to be sent to UMGC, the proper code must be used.	AP	0551
	CLEP	5804
	DSST	9357
	Excelsior	02626
	TOEFL	5804

Excelsior College Examinations

You may earn credit for successfully completing subject tests (formerly called ACT/PEP and Regents examinations) offered by Excelsior College. Tests are available in various areas of the arts and sciences, as well as in business. Scores must meet UMGC standards. Academic advisors can furnish details.

Industry Certification Examinations

Some industry certification examinations, such as those for Microsoft Certification, may be eligible for credit. You will find more information about acceptable examinations and requirements at europe.umgc.edu/certifications or by contacting your academic advisor.

International Baccalaureate Examinations

UMGC accepts credit for the International Baccalaureate exam. To receive credit, you must complete the exams before you graduate from high school. Transcripts must be sent directly to UMGC from the examining body and scores must meet UMGC standards. Academic advisors can furnish details.

Vertical Pathways Between UMGC Undergraduate and Graduate Degree Programs

If you completed your undergraduate degree at UMGC in computer science, cyber technology, data science, English, history, or social science or completed coursework in accounting, criminal justice, emergency management, homeland security, or human resources, vertical pathways between UMGC's undergraduate and graduate programs in these areas allow you to reduce your total coursework for certain related graduate degrees. Details on each of these agreements are provided below.

Eligible credits for most pathways must have been completed no earlier than two years before the beginning of graduate studies at UMGC; stricter requirements may be listed under individual pathways.

Graduate admission requirements and time limits for degree completion apply to all applicants.

Accounting

If you completed your undergraduate degree at UMGC with coursework in accounting, a vertical pathway between UMGC undergraduate and graduate programs in accounting allows you to reduce your total coursework for a related graduate degree by up to 6 credits.

The following undergraduate courses will be accepted as credit toward the courses listed below in the Master of Science in Accounting and Financial Management, CyberAccounting, or Management with a specialization in accounting for a maximum of 6 credits:

- ✦ ACCT 438 Fraud and Forensic Accounting and ACCT 440 Forensic and Investigative Accounting instead of ACCT 630 Fraud Examination
- ✦ ACCT 422 Auditing Theory and Practice and ACCT 436 Internal Auditing instead of ACCT 628 Auditing
- ✦ ACCT 323 Federal Income Tax I and ACCT 417 Federal Income Tax II instead of ACCT 613 Federal Income Taxation

The substitutions listed above are the only ones possible. Note that a minimum grade of B must be earned in each undergraduate course for the credits to be accepted at the graduate level.

Criminal Justice

If you completed your undergraduate degree at UMGC with coursework in criminal justice, a vertical pathway between UMGC undergraduate and graduate programs in criminal justice allows you to reduce your total coursework for the related graduate degree by up to 6 credits (two courses).

The following undergraduate courses will be accepted as credit toward the courses listed below in the Master of Science in Management with a specialization in criminal justice management for a maximum of 6 credits:

- ✦ CCJS 495 Issues in Criminal Justice instead of CJMS 600 Critical Analysis of the Criminal Justice System
- ✦ CCJS 497 Correctional Administration instead of CJMS 620 Issues in Correctional Administration

The substitutions listed above are the only ones possible. Note that a minimum grade of B must be earned in each undergraduate course for the credits to be accepted at the graduate level.

Cybersecurity

If you completed your undergraduate degree at UMGC with a major in cybersecurity technology, a vertical pathway between UMGC undergraduate and graduate programs in cybersecurity allows you to earn 6 credits toward the Master of Science in Cloud Computing Systems, Cyber Operations, Cybersecurity Management and Policy, Cybersecurity Technology, or Digital Forensics and Cyber Investigation or a certificate in Cloud Computing and Networking, Cyber Operations, Cybersecurity Management and Policy, Cybersecurity Technology, or Digital Forensics and Cyber Investigation.

To be eligible for the pathway, you must have completed CMIT 495 Current Trends and Projects in Computer Networks and Cybersecurity. If eligible, you may be awarded credit for CBR 600 Communicating, Problem Solving, and Leading in Cybersecurity or DCL 600T Decisive Thinking, Communicating, and Leading in Technology Fields. Either CBR 600 or DCL 60T is the only course for which credit may be granted through the vertical pathway.

Data Analytics

If you completed your undergraduate degree at UMGC with a major in data science, a vertical pathway between UMGC's undergraduate and graduate programs allows you to reduce your total coursework for the Master of Science in Data Analytics by 6 credits (two courses). If eligible, you may be awarded credit for UCSP 615 Orientation to Graduate Studies (0) and DATA 620 Data Management and Visualization (6). You should enroll in the graduate data analytics program within two years of completing your undergraduate degree in data science.

Homeland Security

If you completed your undergraduate degree at UMGC with coursework in homeland security, a vertical pathway between UMGC undergraduate and graduate programs in homeland security allows you to reduce your total coursework for a related graduate degree by up to 6 credits (two courses).

The following undergraduate courses will be accepted as credit toward the courses listed below in the specialization in homeland security within the Master of Science in either Information Technology or Management for a maximum of 6 credits:

- ✦ HMLS 302 Introduction to Homeland Security instead of HSMN 610 Concepts in Homeland Security
- ✦ HMLS 408 Infrastructure Security Issues instead of HSMN 625 Critical Infrastructures

The substitutions listed above are the only ones possible. Note that a minimum grade of B must be earned in each undergraduate course for the credits to be accepted at the graduate level.

Teaching

If you are pursuing a bachelor's degree from UMGC in an appropriate major (computer science, English, history, or social science or a general studies degree with a minimum of a 30-credit specialization in social studies) or have other appropriate coursework (including biology and mathematics coursework), you may reduce the total coursework for the Master of Arts in Teaching (MAT) by up to 12 credits (three courses, including the noncredit introductory course UCSP 615) and complete both degrees with a total of 138 credits of coursework. This accelerated program option allows you to take graduate-level coursework before you complete your undergraduate degree.

To be eligible for this accelerated MAT option, you must have completed the courses listed below before being accepted to the MAT program. The 500-level courses listed below are the only courses eligible for the 12 articulated credits available through this vertical pathway. If completed with a grade of B or higher, the credits will apply to the MAT program. If successfully completed with a grade of C or lower, these credits apply toward the undergraduate degree only.

- ✦ EDTP 500 Professional Fundamentals of Teaching and Learning instead of EDTP 600 Professional Fundamentals of Teaching and Learning
- ✦ EDTP 535 Adolescent Development and Learning Needs instead of EDTP 635 Adolescent Development and Learning Needs

The substitutions listed above are the only ones possible.

Payment of Tuition and Fees

Current Tuition and Fees

Application for Admission \$50

UMGC charges a nonrefundable fee for establishing your permanent record, the official university document from which transcripts are issued. Payment should be made through MyUMGC at the time you complete the online application with UMGC Europe.

This fee is not required of consortium students if you have completed and submitted your Application Fee Waiver Request form, unless you declare your intent to pursue a certificate or degree through UMGC.

Tuition

The current tuition rates are found at europe.umgc.edu/tuition.

Dishonored Checks \$30

For each paper or electronic check returned to UMGC by the payer's bank (whether because of insufficient funds, stopped payment, postdating, or drawing against uncollected items), UMGC assesses a service charge of \$30 (over and above any service charges levied by the financial institution).

If you stop payment on a check for tuition, you will be neither disenrolled nor relieved of responsibility for paying tuition and fees. Anyone whose checks for tuition or fees remain dishonored may be barred from classes.

Official Transcript \$10

The fee for ordering each academic transcript issued by UMGC is \$10, except those sent to an alliance school. No fees are charged for transcripts sent to alliance schools, including the Community College of the Air Force.

Rush Official Transcript

A special handling fee is charged for transcripts processed and mailed or faxed within 24 business hours.

Certificate/Graduation \$50

For each certificate and graduation application filed, you are assessed an application fee.

Note: This fee is due on the same day as the charges are incurred.

Cap and Gown

When you attend commencement as a graduate, you are responsible for purchasing your own cap and gown.

Field Study

The tuition for a field study course is the same cost per credit as any course. Additionally, you may be charged a field study fee depending on the specific course. This fee covers lodging, museum tickets, and excursions, but not transportation to the location, meals, and other personal expenses. If you cancel the course after the registration deadline, you will be charged a cancellation fee. The cancellation fee may be waived if you must cancel due to official, duty-related reasons and you submit appropriate documentation. For more information about field study courses, see p. 170.

Fees and Activity from Other UMGC Campuses

Charges incurred from UMGC Stateside or UMGC Asia will be reflected on your financial account along with any UMGC Europe charges. You may direct all financial account inquiries to your local UMGC office.

Course Materials Fees

Most UMGC undergraduate courses use e-resources and open-source materials available to you at no cost. Select courses do require the use of specific software or content that cannot be accessed at no cost, particularly CMIT courses. Purchases can be made through your campus' webText online store or the UMGC virtual bookstore found on the website. As with tuition charges, course material charges are the responsibility of the student. More information about course materials is found at europe.umgc.edu/materials.

Payment Deadlines

UMGC requires that you pay your tuition and fees on time. Your payment due dates depend on how early you register for courses. Due dates are provided at the time of registration and are visible in the Account Balance panel in your Student Account Center in MyUMGC. Payment may be made by credit card (American Express, Discover, MasterCard, or Visa) or e-check directly through MyUMGC; cash payments may not be made. Additionally, check or money order payments may be mailed directly to the UMGC Europe Business Office. You should make checks and money orders payable to University of Maryland Global Campus Europe. Your student ID should be indicated on the payment.

All tuition and applicable fees must be paid by the deadline, unless you

- ✦ Applied for financial aid to cover tuition and fees for the session
- ✦ Confirmed your status as active-duty military or submitted your military tuition assistance documents
- ✦ Requested certification for your veterans education benefits
- ✦ Enrolled in UMGC's interest-free monthly payment plan
- ✦ Provided confirmation that you will receive employer provided tuition assistance

You will receive invoices for charges incurred to your student account. Once a charge is considered delinquent, you will begin receiving dunning (collection) notices. Timely payments should be made to avoid your debt being sent to collections.

Payments may be made online via MyUMGC by credit card, e-check, or by setting up an automatic withdrawal plan from a personal checking or savings account. If you are interested in the monthly payment plan, you can view the options available to you through MyUMGC. Additional information can be found on the UMGC websites.

To discuss payment plans for previous terms, you must contact the UMGC Stateside Collections Office at collections@umgc.edu.

Refunds for Dropping or Withdrawing from a Course

Registering for a course obligates you to pay for it; however, if for any reason you are unable to take a course, you must officially drop or withdraw from the course. Procedures on how to drop or withdraw from a course are listed on p. 10.

The refund policy applies to tuition only. Other fees are not refundable.

If you drop a course during the drop period, you will qualify for a full refund of tuition, except for the admission application fee.

If you withdraw during the withdrawal period, you will be refunded a portion of the tuition, as determined by the date of withdrawal and the refund schedule posted online at europe.umgc.edu/refunds.

All refunds are computed from the date the drop or withdrawal is formally initiated, not from the date of the last class you attended or the last participation date.

If your tuition was paid by employer tuition assistance, the refund is returned to the employer. If the tuition assistance was only a partial payment, it is returned to the employer, and excess payment is refunded to you.

All withdrawals will be initiated through MyUMGC. You may visit your local UMGC Europe office for assistance.

If you are using tuition assistance (TA), you need to contact a military education counselor or education services officer (ESO) for guidance on withdrawals related to emergencies or official duty.

If you are using financial aid and VA benefits, you are strongly encouraged to contact the Financial Aid Office or VA Office before withdrawing to fully understand the impact on your current and future financial aid.

Financial aid awards may be canceled or reduced if you withdraw from classes while receiving financial aid.

Check with a financial aid advisor before withdrawing from a course to determine the impact on your award.

No offer of financial aid is considered an active, final award until the refund period has ended. If you withdraw before the end of that period, you are liable for all costs incurred and are billed accordingly.

Indebtedness to the University

If you incur debts to UMGC, you must clear them to be permitted to register. Requests for transcripts and diplomas may be denied until all debts have been paid. Outstanding debts are collected against refunds due to you. After a reasonable period of time, uncollected debts are forwarded to the Central Collection Unit of the Maryland Department of Budget and Management.

The Board of Regents has authorized UMGC to charge students' delinquent accounts for all collection costs incurred by UMGC. The normal collection fee is 17 percent plus attorney and/or court costs. Delinquent accounts are reported to a credit bureau.

You can contact SCCU at +1-800-705-3493 or +1-410-767-1220, or visit dbm.maryland.gov/ccu.

Ways to Finance Your Education

Monthly Payment Plan

UMGC offers a cost-effective alternative for students who are budgeting for college tuition: an interest-free, monthly tuition payment plan. This plan allows you to spread all or part of your tuition bills into monthly installments on an academic session basis. All UMGc students are eligible to participate in the payment plan, regardless of financial need. If you are interested in the monthly payment plan, visit umgc.edu/payoptions.

Military Tuition Assistance

If you are serving in the Navy, Marine Corps, or Coast Guard, you must contact your education center to request a tuition assistance form. Once the tuition assistance form is signed by the education coordinator, it must be submitted at the time of registration using one of the methods listed at umgc.edu/milta.

If you are serving on active duty in the U.S. Army or are a member of the Army National Guard or Army Selected Reserves and intend to use military tuition assistance benefits, the funds will be approved in the ArmyIgnitEd portal (armyignited.com) after you have registered for classes with UMGc.

If you are serving in the Air Force, you may submit your tuition assistance forms via the Air Force Virtual Education Center (AFVEC) portal.

If you are a spouse of a servicemember eligible to utilize MyCAA (My Career Advancement Account) benefits, you may also submit your tuition assistance via the Air Force Virtual Education Center (AFVEC) portal.

Return of Unearned Military Tuition Assistance Funds

Military tuition assistance funds are awarded under the presumption that you will attend and participate in classes over the entire period for which the funds have been awarded. If you receive military tuition assistance funds and do not attend or participate for the entire period for which funds were provided, the university is required by the Department of Defense to perform a Return of Unearned Military Tuition Assistance funds calculation.

The requirement to perform such a calculation is triggered by any of the following actions occurring on or before the 60 percent point of your enrollment period:

- ✧ Course cancellation
- ✧ Never participating in a class
- ✧ Ceasing to participate in a class
- ✧ Dropping a course
- ✧ Withdrawing from a course

A return of funds calculation is based on the last documented date of attendance or participation in the class or the date the drop, withdrawal, or cancellation is initiated.

When a return of funds calculation occurs, unearned funds are returned to the Department of Defense. This can result in you owing a balance, which is your responsibility to repay to UMGc.

To learn more about UMGc Policy 170.72 Course Withdrawal and return of military tuition assistance, see umgc.edu/policies.

Any requests for exceptions to UMGc Policy 170.72, including requests related to dropping or withdrawing from a class because of military service obligations, must be submitted within 90 days of the last day of the term during which you dropped or withdrew from the class.

For more information, contact Student Resolution and Judicial Affairs at exception.request@umgc.edu.

If you are using military tuition assistance, you should contact your military education counselor or education services officer for guidance on withdrawals related to emergencies or official duty requirements before dropping or withdrawing from a class to fully understand the impact of such an action on your current and future military tuition assistance benefits.

Army Credentialing Assistance

UMGC Europe has several options approved for Army credentialing assistance (CA) funding.

UMGC Europe offers several undergraduate courses eligible for Army credentialing assistance (CA) funding. You may enroll in specific computer information technology (CMIT) courses that will help you prepare for CompTIA Network+ and Security+ certifications, and several other industry certifications. See p. 188 for approved CMIT courses and see p. 164 for details on approved graduate certificate programs.

We strongly recommend you check with the credentialing institution for the complete requirements of the desired credential.

Contact an academic advisor for more information.

Financial Aid

Forms of Financial Aid

UMGC's Financial Aid Office administers a variety of financial assistance programs—including grants, scholarships, and loans—to help you meet the costs of your educational goals. Aid is available based on financial need, academic merit, or both.

Under current federal regulations, federal grants are not available to graduate students. As of 1 July 2012, federal subsidized loans are no longer available to graduate students.

Regardless of income level, you are encouraged to apply for assistance; many financial alternatives are available.

General Eligibility Requirements

To be eligible for federal student aid and most UMGC need-based assistance, you must

- ✦ Be admitted to UMGC as a degree-seeking or eligible certificate-seeking student.
- ✦ Be a U.S. citizen or an eligible noncitizen.
- ✦ Be enrolled half-time (6 or more credits) for most federal and institutional aid programs. Federal loan programs require enrollment of at least half time.
(Note: Audited courses, some repeated courses, credit by examination, and Portfolio Assessment credits cannot be counted toward enrollment status.)
- ✦ Demonstrate satisfactory academic progress toward a degree or certificate according to UMGC policy.
- ✦ Have a high school or General Education Development (GED) diploma.
- ✦ Possess a valid Social Security number.
- ✦ Not be in default on any federal student loans, have borrowed in excess of loan limits, nor owe a refund on any grant under Title IV federal student aid programs.
- ✦ Be enrolled on courses that are required for your degree or certificate program.

Note: Courses not required for your degree or certificate program will not be included in determining eligibility for financial aid. See program applicability later in this section.

Financial Aid Programs

Financial aid programs are available to both full- and part-time students. UMGC may offer the following types of financial aid: grants, scholarships, and loans. In most cases, at least half-time enrollment is required. (Full- and part-time status is explained later in this section.) Eligibility for federal financial aid is determined each year based on data submitted on the FAFSA. Following is a description of programs currently available at UMGC.

Grants and Scholarships

UMGC offers and administers many different types of grant and scholarship programs from various sources. UMGC aims to offer scholarship funding to as many eligible students as possible each year based on available funding. For this reason, it is not common for students to receive more than one donor-funded or institutional scholarship in an aid year. The standard combined annual maximum award amount for most donor-funded and institutional awards is \$2,000. The following are the main categories of scholarships and grants that are available to eligible UMGC students. Additional annual maximum award limits and restrictions other than those listed below may apply.

Note: This list is not exhaustive and is subject to change.

FEDERAL GRANTS

The federal government provides grants for students attending college. Most types of grants are sources of money that generally do not have to be repaid.

- ✦ The Federal Pell Grant is a grant program for high-need, first-time undergraduate students. Award amounts vary by need level and enrollment status.
- ✦ The Federal Supplemental Educational Opportunity Grant (SEOG) offers need-based awards for high-need students who are seeking their first undergraduate degree. The amount and number of awards vary depending on the availability of funds allocated by the U.S. Department of Education.

More information is available at europe.umgc.edu/grants.

UMGC INSTITUTIONAL SCHOLARSHIPS AND GRANTS

UMGC allocates a portion of its operating funds to help students with demonstrated financial need afford their coursework. Most institutional funds are provided as part of the regular award packaging process and do not require a separate application. The most commonly provided institutional scholarships are described below:

- ✦ The UMGC President's Grant offers up to \$1,400 per year to select students with demonstrated need who are enrolled in at least 3 credits of coursework per semester.

- ✦ The UMGC President's Scholarship offers up to \$2,000 per year (fall and spring semesters only) to select students with demonstrated need and a GPA of 3.0 or higher, have completed a minimum number of credits at UMGC, and are enrolled at least half-time each semester they receive the award.

Employees of UMGC and their dependents, as well as persons who receive remission of fees from other institutions, are not eligible to receive UMGC scholarships or grants.

DONOR SCHOLARSHIPS

Generous donors to UMGC have provided many different scholarship funds, each with its own specific criteria. If you meet the general eligibility requirements for donor-funded scholarships, you will receive an invitation by email (and in the student portal) each spring semester. This application is the only one needed for consideration for nearly all donor-funded scholarships. An invitation to apply for these scholarships does not guarantee funding, as funds are limited.

In general, to be eligible for these scholarships you must

- ✦ Be enrolled as a degree-seeking student
- ✦ Have a current FAFSA on file, demonstrating financial need
- ✦ Have successfully completed 15 credits (if you are an undergraduate student) or 9 credits (if you are a graduate student) in courses taken at UMGC
- ✦ Meet satisfactory academic progress standards (described in a following section)
- ✦ Maintain a cumulative GPA of 3.0
- ✦ Maintain at least half-time registration each fall and spring semester

PRIVATE AND THIRD-PARTY SCHOLARSHIPS

Outside agencies, such as social clubs or volunteer organizations, may offer scholarship funds to UMGC students to assist with education costs. These agencies provide funding either directly to you (the student) or directly to UMGC for processing and administration. The Financial Aid Office ensures that students receiving these funds maintain eligibility per the requirements of the individual agencies.

For more information on scholarships, visit europe.umgc.edu/scholarships.

Loans

Loan programs are available to students enrolled in at least half-time status each semester. If you borrow funds to pay for college expenses, you must repay the principal and interest in accordance with the terms of the promissory note.

The Federal Direct Loan program offers two types of loans: subsidized and unsubsidized. Loan amounts vary based on your degree level (i.e., undergraduate or graduate), grade level, and dependency status. Repayment begins six months after you leave school or your attendance drops below half-time. For annual eligibility amounts and general repayment terms, visit umgc.edu/direct-loan.

- ✦ Federal Direct Subsidized Loans are available to eligible undergraduate students who demonstrate financial need. The U.S. Department of Education pays the interest on Federal Direct Subsidized Loans while you are in school at least half-time and for the first six months after you leave school.
- ✦ Federal Direct Unsubsidized Loans are available to eligible undergraduate and graduate students. There is no requirement to demonstrate financial need. Interest on an unsubsidized loan begins on the day the loan is disbursed and continues until the day that you repay the loan in full. You can pay the accumulating interest while you are in school, during the grace period, or during deferment, or you may capitalize the interest (i.e., add unpaid accumulated interest to the total unsubsidized amount borrowed) when you begin repayment.

The Federal Direct PLUS Loan Programs are loans for graduate students and parents of dependent undergraduate students to help pay for education expenses not covered by other financial aid. Eligibility is not based on financial need, but a credit check is required. Borrowers who have an adverse credit history must meet additional requirements to qualify. Repayment begins as soon as the loan is fully disbursed; however, there is an option to defer payments while you meet certain enrollment criteria. Additional information regarding PLUS loans is available at umgc.edu/students/aid/loans/grad_plus.cfm.

Private student loans are made by private organizations—such banks, credit unions, and state-based or state-affiliated organizations—and have terms and conditions that are set by the lender. If your financial aid does not meet your financial need, you may be able to borrow up to your cost of attendance through a private student loan program. These education loans are not federal loans; you borrow directly from and make payments to the lender. Private student loans usually have higher interest rates than federal loans. UMGC encourages you to apply for federal student aid before seeking alternative private loan options. If you are interested in a private student loan, contact the lender of your choice.

For more information on federal student financial aid programs, visit europe.umgc.edu/financialaid. More information on loan repayment is available at umgc.edu/loan-repayment.

LOAN DEFERMENT FORM CERTIFICATION

For details on loan deferment form certification, see p. 50.

Program Applicability

Federal and state regulations mandate that financial aid can only be disbursed for courses that are required for your degree or certificate program. If you enroll in courses that are not required for your degree or certificate, those courses will not be used to determine your financial aid eligibility. If you choose to remain in courses which are not applicable to your degree or certificate program, your financial aid may be negatively affected as a result.

Applying for Financial Aid

You must complete the *Free Application for Federal Student Aid* (FAFSA) to be considered for federal, most state, and institutional financial aid at UMGC. The FAFSA may be completed online at studentaid.gov.

UMGC encourages you to complete the FAFSA as soon as you have decided on your academic career. It may take several weeks to process an application for any type of financial aid, so you should take note of the priority processing deadlines and other important dates listed in the following section.

Financial aid is awarded annually. You must reapply each year before the 30 June deadline. Financial aid may be used concurrently with scholarships, military tuition assistance, military spouse tuition assistance, and veterans benefits. It is your responsibility to inform the Financial Aid Office when outside resources such as these will be used.

The results of the *Free Application for Federal Student Aid* (FAFSA) are contained in the *Student Aid Report* (SAR) or *Institutional Student Information Report* (ISIR), which will be secured electronically from the federal processors in Illinois by the Financial Aid Office for all students who submit a FAFSA application with the UMGC school code of 011644.

The Financial Aid Office must review and approve the completed file before you enroll as a financial aid recipient. You must be fully admitted to UMGC and be degree seeking in order to receive financial aid. If you already have a baccalaureate degree, you are not eligible for Federal Pell Grants, but may be eligible for Federal Direct Student Loans. An initial financial aid award will be made based on anticipated half-time (6 credit hours) enrollment in classes offered during the semester.

Priority Deadlines for Financial Aid

You may apply for financial aid at any time and the application will be processed on a first-come, first-served basis. If the entire financial aid file is complete by the priority deadline, your application should be processed in time for funds to be available for registration. If you miss the deadline, you may still be eligible to receive financial aid, but you may have to pay for tuition and fees yourself. Once financial aid is approved, you may be reimbursed.

Semester	Priority Deadline
Summer Semester	1 April
Fall Semester	1 June
Winter and Spring Semester	1 November

Non-UMGC Enrollment

Financial aid awards are determined based on enrollment with UMGC. If you wish to take a course with another school, you must contact the Financial Aid Office prior to enrolling with the other school. Enrollment in courses offered by UMGC Europe, UMGC Asia, and UMGC Stateside may be used in calculating financial aid eligibility with UMGC.

Disbursement of Funds

The UMGC Financial Aid Office disburses (applies) funds to your account based on federal and UMGC guidelines. Some funding such as loans may be released to your account up to 10 days prior to the course start date. If you are enrolled in courses with multiple start dates, the disbursement is released when you are actively enrolled in 6 credits.

Awards applied to your account in excess of tuition and fee charges are refunded to you within UMGC and federally mandated time frames. In general, this refund process requires seven to 14 days from the date the credit balance is created on your account at UMGC. To receive funds in a more timely manner, you may also choose the direct deposit option by enrolling through MyUMGC otherwise a check will be prepared and mailed to you.

UMGC Financial Aid Standards for Satisfactory Academic Progress

If you receive financial aid, federal regulations require you to maintain satisfactory academic progress toward your degree or certificate. If you fail to meet the minimum requirements, you are not eligible to receive financial aid. Review the complete Satisfactory Academic Progress policy for financial aid students, including details of the appeal process, at umgc.edu/sap.

Federal Return of Funds Policy

Federal financial aid is offered under the assumption that you will attend and participate in classes for the entire period for which the aid has been offered. If you receive Title IV funds and do not attend or participate for the entire period for which you have been given aid, the university is required by federal regulation 34 CFR 668.22 to perform a Return of Title IV Funds calculation. The requirement to perform such a calculation is triggered by any of the following actions occurring during your enrollment period:

- ✦ Course cancellation
- ✦ Disenrollment
- ✦ Never participating in a class
- ✦ Ceasing to participate in a class
- ✦ Dropping a course
- ✦ Withdrawing from a course
- ✦ Ceasing enrollment for 45 calendar days or more between modules

You are not considered to have withdrawn

- ✦ If you certify your intent to return later within the same term in which you dropped or withdrew from class, unless you do not return as scheduled
- ✦ If you fulfill all the requirements for graduation from the program before completing the required number of days in the period for which you have received funds
- ✦ If you complete one or more modules that together cover at least 49 percent of the days in the payment period
- ✦ If you successfully complete credits equal to or greater than the credits required for half-time enrollment

If you certify your intent to return later within the same term in which you dropped or withdrew from class, then the Financial Aid Office will not perform a return of funds calculation—unless you do not return as scheduled.

When the Financial Aid Office performs a return of funds calculation, unearned funds are returned to the Department of Education. This can result in a balance owed to UMGC. You are then responsible for repaying the outstanding debt, or it will be transferred to the State Central Collections Unit.

If you are using federal financial aid, you are strongly encouraged to contact the Financial Aid Office before dropping or withdrawing to fully understand the impact on your current and future financial aid.

Visit umgc.edu/enrollmentchanges for further information.

Other Sources of Financial Aid

Community Scholarships

Scholarships are sometimes available through Officers' and Noncommissioned Officers' Spouses' Clubs and other organizations on military bases. At some locations, the Air Force and Navy have tuition assistance programs for spouses of active-duty military members. Check with the local education services officer or visit your local UMGC Europe office to find out about the availability of these scholarships.

Military Spouse Career Advancement Account Scholarship – MyCAA

MyCAA provides a maximum education benefit of up to \$4,000 to assist eligible military spouses who need professional credentials for licenses, certificates, national tests, or associate degrees to pursue an occupation or career field. More information is available at mycaa.militaryonesource.mil.

Army Emergency Relief Program (AER)

AER maintains two scholarship programs – the Mrs. Patty Shinseki Spouse Scholarship Program and the MG James Ursano Scholarship Program for military children. More information is available at armyemergencyrelief.org.

General Henry H. Arnold Education Grant

The Air Force Aid Society provides need-based grants to students planning to enroll full time in an undergraduate program of study. You must be a son, daughter, spouse, or surviving spouse of an Air Force or Space Force members. More information is available at afas.org.

For Further Information

All financial aid information and forms are available at europe.umgc.edu/financialaid on the UMGC website. For assistance, visit the UMGC Help Center at umgc.edu/help to email, chat, or review an extensive list of frequently asked questions. You may also contact the Financial Aid Office in Adelphi, Maryland, by phone at +1-800-888-8682, or you may contact the Financial Aid Office at UMGC Europe Headquarters at +49-(0)631-56000-90000.

Veterans Education Benefits

University of Maryland Global Campus acts as a certifying agent for the Department of Veterans Affairs (VA) and certifies students' enrollments to the Regional Office on a term-by-term basis.

Students applying for VA education benefits should seek assistance and VA counseling available at education centers. The counselors can assist in determining which VA application form you should complete to start your education benefits in your chosen program. The VA application form and any required substantiating documents can be found on the VA website at va.gov.

Military-Affiliated Student Benefits and Resources

UMGC takes great pride in its 70-plus year history of serving military and veteran students and their family members and provides significant support to all military-affiliated students. Learn more about the comprehensive support UMGC provides to military-affiliated students at europe.umgc.edu/military-and-downrange.

Veterans Benefits

You may apply for the following educational assistance programs administered by the U.S. Department of Veterans Affairs (VA):

- ✦ The Montgomery GI Bill®—Active Duty Increased Educational Program (MGIB, Chapter 30)
- ✦ Veteran Readiness and Employment (Chapter 31)
- ✦ The Post-Vietnam Era Educational Assistance Program (Chapter 32)
- ✦ The Post-9/11 GI Bill (Chapter 33)
 - Transfer of Post-9/11 GI Bill Benefits to Dependents
 - Marine Gunnery Sergeant John David Fry Scholarship
- ✦ The Survivors' and Dependents' Educational Assistance Program (Chapter 35)
- ✦ Montgomery GI Bill—Selected Reserve Educational Assistance Program (Chapter 1606)

Detailed information on all assistance programs is available on the UMGC website at europe.umgc.edu/vabenefits or on the VA website at gibill.va.gov.



Application Procedures

If you are eligible for educational benefits from the VA, you should review the online information and application procedures at europe.umgc.edu/vabenefits. Every educational assistance program requires different paperwork and documentation to process a claim.

Initial applications for benefits should be submitted online directly to the VA at va.gov. If you have already used VA benefits at another university, you must update your current education benefits online at va.gov.

You must also complete a UMGC request for certification form each session you wish to receive benefits. The VA processes claims and issues payment six to eight weeks after the add/drop period of each enrollment session. VA claims may be submitted no earlier than 180 days before class starts for Chapter 33 enrollments and 120 days before class starts for Chapter 30, 35, and 1606 enrollments.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at benefits.va.gov/gibill.

CERTIFICATION PROCESS

Notification that you wish to use VA benefits is your responsibility and **must** be submitted through MyUMGC (my.umgc.edu) each period of enrollment you are requesting benefits. UMGC acts as a certifying agent for the VA.

The UMGC Veterans Certification Office confirms that the requested course(s) are part of your degree program and submits your certification of enrollment to the VA Regional Office. You may view the status of the processing of your certification through MyUMGC by selecting "Veteran Certification." The primary responsibility of the university is to verify active enrollment of VA students; it is not to make decisions on individual claims.

Please note: UMGC Europe students are not eligible for the VA Advanced Payment program or the Yellow Ribbon program.

VA Students from Other Institutions

If you are not pursuing a UMGC degree but wish to receive VA benefits for UMGC courses, you must request written permission (a parent school letter) for each course from your degree-granting school before enrolling. The parent school letter must be submitted to the UMGC Veterans Certification Office by email to pslva@umgc.edu. You must also complete the certification process through MyUMGC.

Amounts and Methods of Payment

The amount of money you may receive from the VA depends on the educational assistance program for which you are eligible, the number of credits for which you are registered, the length of the session, and (for certain programs) the number of dependents you have. The current monthly payment for each educational assistance program is available online at gibill.va.gov.

Benefit Provisions Related to Pending Payments

In accordance with Title 38 US Code 3679 subsection (e), UMGC adopts the following additional provisions for any students using VA Post-9/11 GI Bill (Ch. 33) or Veteran Readiness and Employment (Ch. 31) benefits. While payment to the university is pending from the VA, UMGC will not

- ✦ Prevent your enrollment
- ✦ Assess a late penalty fee
- ✦ Require you to secure alternative or additional funding
- ✦ Deny you access to any resources (classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution

However, to qualify for this provision, you may be required to

- ✦ Produce the VA Certificate of Eligibility by the first day of class
- ✦ Provide a written request to be certified
- ✦ Provide additional information needed to properly certify the enrollment as described in other institutional policies

Requesting Certification of Enrollment

When requesting VA benefits, you **must** submit your request for certification each period of enrollment through MyUMGC (my.umgc.edu):

MyUMGC > Finances > Veteran Certification

✦ Applying for VA Benefits

The first time you request benefits each term (fall, spring, summer) the "Request for Certification" form must be completed through MyUMGC.

✦ Adjusting VA Benefits

If you enroll in additional courses within the same term, you will need to adjust your veterans benefits through MyUMGC.

✦ Viewing the Certification Status

You may view the status of your certification requests through MyUMGC.

Evaluation of Prior Training

When you file a claim for educational benefits, the VA requires your previous training and coursework to be evaluated so that you receive correct transfer credit.

If you are an undergraduate student, you must have an academic advisement report completed during your first session of enrollment. If you do not comply, you may find future benefits delayed. After your first registration, you are provided with information on the necessary procedure. (Information about sources of credit, including types of training that qualify for undergraduate credit, begins on p. 13; these include military training and service schools, postsecondary education, certain correspondence courses, and credit by examination.)

If you have earned graduate credit from a regionally accredited institution, you must have an evaluation completed during the first session of enrollment. (Equivalent credit from other accredited institutions may be considered on a case-by-case basis. If you were educated abroad, see umgc.edu/internationalstudent for additional requirements.) Not complying with this evaluation may delay future benefits. For information on evaluation procedures for study abroad, visit umgc.edu/internationalcredit.

Student Responsibilities

If you are receiving VA benefits, you are expected to follow all regulations and procedures of the VA while attending UMGC.

At UMGC, all regulations of the VA are enforced. You should be aware of the following requirements and consequences:

- ✦ You are expected to make satisfactory progress toward a degree or certificate; you must comply with the academic standards of UMGC.
- ✦ You must report all changes in enrollment—including drops, adds, withdrawals, changes to audit, and changes in degree objective.
- ✦ Registering for a course and then not attending, or ceasing to attend without officially withdrawing, is a misuse of federal funds that is punishable by law.
- ✦ Payment of benefits will be disallowed for any course in which a nonpunitive grade (i.e., a grade of I, W, or AU) is assigned.
- ✦ Payment of benefits will be disallowed for repeating a course for which transfer credit has been granted or for which a passing grade of A, B, C, D, P, or S was assigned.
- ✦ Payment of benefits will be disallowed for any course in which a grade of FN is assigned.
- ✦ Payment of benefits will be disallowed for any course that is not a requirement in your degree or certificate program.

- ✦ Payment of benefits will be disallowed for noncredit graduate courses.
- ✦ Payment of tuition and fees is required at time of registration, unless you are applying for Chapter 31 Veteran Readiness and Employment or Chapter 33 Post-9/11 benefits.
- ✦ You are responsible for debts caused by overpayment of benefits resulting from reductions of your course load.
- ✦ If you are in a program that involves any internship, practicum, or work study, you are required to provide documentation to the Veterans Certification Office verifying the physical location and zip code where the work takes place.

Tutorial Assistance

You may qualify for tutorial assistance if you are a veteran, active-duty military servicemember, or reservist receiving funding assistance from the VA and you are enrolled at least half-time. Payments are allowed when you demonstrate deficiency in courses that are required for your degree program.

Veterans Resources

UMGC offers dedicated military and veterans advisors and a range of resources targeted specifically for veterans. These include VetSuccess on Campus and the Vessey Veterans Resource Center, a one-stop shop designed to give you the support you need to succeed in school and in your career. Learn more at umgc.edu/vetresources.

Points of Contact

You may refer to the directory for contact information for the UMGC Europe Headquarters Offices.

VA Regional Office

VARO
P.O. Box 4616
Buffalo, NY 14240-4616
CIV: +1-918-781-5678

Because regulations are constantly changing, we recommend that you visit our website for the most current information concerning your VA benefits at europe.umgc.edu/vabenefits.

Academic Standards

UMGC standards for academic rigor assess the degree to which you demonstrate content mastery, application of critical-thinking skills, and adherence to UMGc's code of academic integrity.

Grading Methods

There are five grading methods at UMGc: standard, pass/fail, satisfactory/unsatisfactory, satisfactory/D/fail, and audit. The most commonly used is the standard method. Any course may be audited.

Some grading options and methods are limited to undergraduate or graduate courses, as follows:

- ❖ The pass/fail grading method is available only at the undergraduate level and under limited conditions. The satisfactory/D/fail method is restricted to certain specified undergraduate courses. Both methods are described in the next section.
- ❖ The satisfactory/unsatisfactory method is available only for EXCL X001, graduate noncredit courses, and doctoral dissertation courses and may not be selected or changed.

The table on the next page defines the grades and marks; regulations and usage for each grading method are provided in the paragraphs that follow.

Standard

Unless you choose the pass/fail (for undergraduate courses only) or audit option for a particular course at the time of registration, you will be graded according to the standard grading method. Under the standard grading method, you earn a grade of A, B, C (for courses in which the grade of C is available), D (for undergraduate courses only), F, or FN on the basis of your performance in meeting the requirements of the course. All grades received under the standard grading method are included in calculating the grade point average (GPA).

Pass/Fail

If you are a degree-seeking undergraduate student, have earned 30 credits (including at least 15 credits at UMGc), and have a cumulative grade point average of 2.0, you may take one elective course each standard term (fall, spring, or summer) on a pass/fail basis, up to a maximum of 18 credits.

This grading method is allowed only for electives. Courses that fulfill general education requirements, major or minor requirements, or related requirements for the major may not be taken pass/fail, nor may pass/fail grading be used in retaking a course for which a letter grade was earned previously.



You must elect pass/fail at the time you register. This status may not be changed after the first week of 8-week classes.

If you register for pass/fail grading, you must still complete all the regular requirements of the course. The teacher evaluates your work under the normal procedure for letter grades and submits a regular grade. Grades of A, B, C, or D are then converted to the grade P, which is entered into the permanent record. A grade of F or FN remains unchanged.

Although a grade of P earns credit toward graduation, it is not included in calculating a grade point average. A grade of F or FN earns no credit toward graduation and is included in the computation of grade point averages. This option is not available for graduate courses.

Satisfactory/Unsatisfactory

EXCL X001 and graduate noncredit courses, currently designated UCSP or ASC, are graded on a satisfactory/unsatisfactory basis. You may not choose to take other graduate courses or any undergraduate courses on a satisfactory/unsatisfactory basis. This grading method does not include an option for requesting a mark of Incomplete.

Satisfactory/D/Fail

This grading method is available only at the undergraduate level and on a limited basis, primarily for experiential learning courses. Although a grade of satisfactory (S) earns credit toward graduation, it is not included in calculating grade point averages. The grade of D earns credit and is included in computing grade point averages. While a grade of F or FN earns no credit toward graduation, it is included in computing grade point averages.

Audit

If you do not wish to receive credit, you may register for courses as an auditor once you are admitted. You may choose the audit method when you register or request a change from credit to audit status anytime before the end of the first week of classes. As an auditing student, you do not have to complete course assignments, but you may choose to do so to receive faculty feedback on your work.

Audited courses are listed on the permanent record, with the notation AU. No letter grade is given for audited courses, nor are credits earned. Auditors pay the same fees as those taking the course(s) for credit.

Grades and Marks

The Grade of F: Failure

The grade of F means a failure to satisfy the minimum requirements of a course. Although it carries no credit, it is included in calculating the GPA. If you earn the grade of F, you must register again for the course, pay all applicable tuition, repeat the course, and earn a passing grade to receive credit for that course.

The Grade of FN: Failure for Nonattendance

The grade of FN is assigned if you never attend or participate in a course or if you cease to attend or participate within the first 60 percent of the course and do not officially drop or withdraw from the course. An FN grade results in zero quality points and no credit earned. It is included in calculating your grade point average and may affect your academic standing. If you receive a grade of FN, you must register again for the course, pay all applicable tuition, repeat the course, and earn a passing grade to receive credit for that course.

The Mark of G: Grade Pending

The mark of G is an exceptional and temporary administrative mark given only when the final grade in the course is under review. It is not the same as a mark of Incomplete.

Grade or Mark	Interpretation	Quality Points
A	Exceeds standards Performance excels far above established standards and demonstrates high proficiency in the course subject matter.	4
B	Proficient Performance consistently meets standards and demonstrates proficiency in the course subject matter.	3
C	UNDERGRADUATE Meets standards Performance generally demonstrates proficiency in most course subject matter. GRADUATE Below standards Performance is insufficient to meet established standards.	2
D	UNDERGRADUATE Below standards Performance is insufficient to meet established standards. GRADUATE Not available	1
F	Failure Performance does not meet minimum standards.	0
FN	Failure for nonattendance	0
G	Grade pending	0
P	Passing (D or higher)	0
S	Satisfactory (C or higher)	0
I	Incomplete	0
AU	Audit	0
U	Unsatisfactory	0
W	Withdrawal	0

The Grade of P: Passing

The grade of P is conferred after a faculty member has evaluated coursework under the normal procedure for letter grades and has submitted a standard grade (A, B, C, or D). Then the Office of the Registrar converts that standard grade into the grade of P.

A passing grade is recorded on the permanent record and confers credit toward graduation. However, courses graded P are not included in calculating the GPA.

ACADEMIC AND ADMINISTRATIVE REQUIREMENTS

The Grade of S: Satisfactory

The grade of S is awarded only for select courses. Although the grade of S confers credit and appears on the permanent record, courses graded S are not included in calculating the GPA.

At the undergraduate level, the grade of S is equivalent to a grade of C or higher and is used to denote performance that meets standards in an experiential setting or practicum, such as EXCL 301.

At the graduate level, the grade of S is equivalent to a grade of B or better and is used to denote performance that meets standards in noncredit and doctoral dissertation courses.

The Grade of U: Unsatisfactory

The grade of U indicates that work for the course was not completed at a satisfactory level. Although it appears on the permanent record, it carries no credit, and is not included in calculating the GPA.

The Grade of D: Below Standards

At the undergraduate level, the grade of D is the minimum passing grade and denotes borderline understanding of the subject matter. Only a limited amount of coursework in which the grade of D has been earned can be applied toward a degree. For additional information, you should refer to specific certificate and degree requirements in this catalog. Most colleges and universities will not accept transfer courses in which a D has been earned.

The Mark of I: Incomplete

The mark of I (Incomplete) is an exceptional mark, given only if your completed coursework has been qualitatively satisfactory, but you have been unable to complete all course requirements because of extenuating academic or personal circumstances beyond your control.

To be eligible for an I, you must have completed 60 percent or more of the course requirements with an overall grade of C or better for undergraduate courses or B or better for graduate courses.

You must request an I from your faculty member before the class ends. Faculty, however, are not required to approve the request. If your request for a mark of I is approved, you must arrange fulfillment of course responsibilities with your faculty member by the assigned deadline to receive credit.

The mark of I is not available for courses graded on a satisfactory/unsatisfactory basis. Master's degree programs requiring CBR 600, DCL 600M, DCL 600T, or PRO 600 have additional parameters for the mark of I. Consult your course syllabus for detailed information.

The mark of I cannot be removed by means of credit by examination, nor can it be replaced by a mark of W (defined in this section). If you elect to repeat an incomplete course, you must register again for the course, pay all applicable tuition, and repeat the course. For purposes of academic progress, the course grade is counted as an F. The mark of I is not used in determining grade point averages.

You should be aware that a mark of I in your final semester may delay graduation.

Refer to UMGC Policy 170.71 Policy on Grade of Incomplete at umgc.edu/incomplete and your course syllabus for more information, particularly on deadlines.

The Mark of W: Withdrawal

The mark of W is assigned when you officially withdraw from a course. This mark will appear on your transcript, but will not be included in calculating your GPA. For purposes of financial aid, the mark of W is counted as attempted hours.

The mark of W can be posted only when you officially withdraw from the course through MyUMGC by the deadline for withdrawal by following the withdrawal process described on p. 12.

The Grade Point Average

Your cumulative grade point average (GPA) is computed at the end of every term (fall, winter, spring, or summer), based on all your graded coursework at UMGC, using the quality points assigned to each grade or mark (detailed on p. 34). First, the quality-point value of each grade or mark is multiplied by the number of credits; then the sum of these quality points is divided by the total number of credits attempted for which a grade of A, B, C (for courses in which the grade of C is available), D (for undergraduate courses only), F, or FN was received.

Only courses applied toward a second bachelor's degree are computed in the GPA for that degree, even if you earned a first degree at UMGC.

Only courses applied toward a master's degree are computed in the GPA for that degree, even if you earned an undergraduate degree at UMGC.

Changes in Grade

Faculty members may revise a grade previously assigned only if your grade was miscalculated or a mark of I was submitted and must be changed. Any revision must be made no later than four months after the original grade was awarded.

Repeated Courses

Grading

When you repeat a course, only the higher grade earned is included in the calculation of your GPA. For purposes of financial aid and satisfactory academic progress, both attempts are counted toward your completion rate. Both grades are entered on the permanent record, with a notation indicating that the course was repeated. You cannot increase the total hours earned toward a degree by repeating a course for which you already earned a passing grade.

If you are enrolled in a second master's degree program, you may not repeat coursework from your first program, even if your second program requires one or more of the courses required in your first program. See p. 135 for more information on earning a second master's degree.

Limits on Repeating Courses

UNDERGRADUATE

If you are an undergraduate student, you may not register for the same course more than three times without first speaking to an academic advisor and submitting a course repeat petition form, which must be on file before the start of the term in which you wish to repeat the course. Your academic advisor can also explain how repeating the course affects your GPA, transcript notations, and progress toward degree completion. Note that the limit on repeating courses applies only to courses in which you have received a grade. Officially withdrawing from a class and receiving a mark of W is not counted as an attempt for repeat limits.

GRADUATE

If you are a graduate student and your term or cumulative GPA drops below 3.0, you will be placed on academic probation, and you must successfully (i.e., with a grade of B or better) repeat the course that caused the GPA to fall below 3.0 and earn no further grades of C, F, or FN during the probation period. For more information, see Graduate Academic Standing on p. 37.

Institutional Credit

A course that may not apply toward graduation may be assigned a credit value for purposes of course load per session and tuition. This institutional credit is included in your GPA and in determining your eligibility for financial aid and veterans education benefits. However, if you are required to take these courses, you do so in addition to the credits required for the degree.

Academic Standing and Levels of Progress

UMGC assesses your academic standing at the end of every term (fall, winter, spring, or summer). Your GPA is computed for all UMGc graded coursework to make a determination of academic standing according to your level of progress as described below.

If you have questions about your academic progress, email the Office of the Registrar at registrar-europe@umgc.edu.

For details, see UMGc Policy 158.00 Undergraduate Academic Levels of Progress and UMGc Policy 158.01 Academic Standing Status for Graduate Students, both available online at umgc.edu/policies.

UNDERGRADUATE STUDENTS

Undergraduate Levels of Progress

At the undergraduate level, there are four levels of academic progress: satisfactory, warning, probation, and dismissal.

Satisfactory

If your cumulative grade point average is 2.0 or higher, you are considered to be making satisfactory progress.

Warning

If your cumulative GPA is less than 2.0, you will be placed on academic warning. You will remain on academic warning as long as your cumulative GPA is less than 2.0 but your GPA for the term is 2.0 or higher.

Probation

If you are on academic warning and your GPA for the term is less than 2.0, you will be placed on probation.

If your GPA for the term is 2.0 or better while you are on probation, but your cumulative GPA is less than 2.0, you will return to academic warning or provisional admission status.

While on academic probation, you are limited to a maximum enrollment of 7 credits per standard term until your academic progress returns to warning.

Academic Dismissal

If you are on probation and your GPA for the term is less than 2.0, you will be dismissed. Once dismissed, you must apply for reinstatement if you wish to continue studies with UMGc. Your application for reinstatement must be approved before you are eligible to register again for UMGc courses.

If you are on probation and your GPA for the term is 2.0 or higher, you will not be dismissed, regardless of your cumulative GPA.

ACADEMIC AND ADMINISTRATIVE REQUIREMENTS

Reinstatement After Dismissal from an Undergraduate Program

If you are seeking reinstatement after being academically dismissed from an academic program at UMGC, you are required to

- ✦ Have all your official transcripts from previously attended colleges and universities sent to UMGC, preferably before meeting with your academic advisor.
- ✦ Talk with an academic advisor before petitioning for reinstatement.
- ✦ Complete the forms provided by your academic advisor. In your request for reinstatement, you must detail the steps you have taken since dismissal that demonstrate that you have improved your academic skills and made changes in your academic strategies that increase your likelihood for success in undergraduate studies, should you be approved for reinstatement. You may also submit documentation that provides evidence to support your request for reinstatement.

You must make an appointment with your academic advisor to start the reinstatement process. You can do so by contacting your local UMGC representative or at europa.umgc.edu/advising. Staff know that these petitions for reinstatement are important and that you are eager to get back on track, so petitions will be reviewed as quickly as possible.

After your record, the advisor's recommendation, and your petition have been reviewed, you will receive a written response.

If you are approved for reinstatement, you will be admitted and placed on academic warning. You may also be required to meet additional conditions, such as working with an academic advisor or tutor or enrolling in specific courses. You must earn a 2.0 or higher to avoid academic probation.

If you have questions about the reinstatement process, speak with an academic advisor.

GRADUATE STUDENTS

Graduate Academic Standing

At the graduate level, there are three levels of academic standing: good academic standing, academic probation, and academic dismissal.

As a graduate student, you must maintain a cumulative and term GPA of 3.0 or higher at all times to remain in good academic standing.

Good Academic Standing

If you have a term and cumulative GPA of 3.0 or higher, you are in good academic standing.

Academic Probation

If you have a term or cumulative GPA below 3.0, you will be placed on academic probation in your next term of enrollment. Academic probation is a temporary status. If you are placed on academic probation, you have up to two terms of enrollment in which to restore your GPA to 3.0. During that time, you must enroll only in the course(s) for which you received a grade that caused your cumulative or term GPA to drop below 3.0; you may not attempt any other coursework until you earn a grade of B or better in the repeated course(s).

Failing to restore your GPA to 3.0 or higher or earning any grade below B while on probation will result in academic dismissal. If you restore your GPA to 3.0 or higher, you will be returned to good academic standing. You should seek guidance and advice from an academic advisor if you are placed on academic probation.

Academic Dismissal

If you are on academic probation and you fail to raise your GPA to 3.0 or higher or if you earn a grade below B during the probationary period, you will be dismissed. Once dismissed, you are ineligible to enroll in UMGC graduate courses and may be readmitted to UMGC only under the conditions for reinstatement or restart described in the following paragraphs.

Reinstatement After Dismissal from a Graduate Program

If you were academically dismissed from a master's degree program at UMGC, you may submit one request for reinstatement. The reinstatement petition entails completing and submitting a Reinstatement Request Form and documentation to the Reinstatement Committee for consideration. You will be required to show that you have improved your academic skills and made changes in your academic strategies that increase your likelihood for success in graduate studies. You may direct inquiries to Student Services at studentservices-europe@umgc.edu. Staff know that these petitions are important and that you are eager to get back on track, so petitions will be reviewed as quickly as possible. Student Services will notify you of decisions.

If you are approved for reinstatement, you will be admitted for one term and placed on academic probation. You may also be required to meet additional conditions, such as working with an academic advisor or tutor or enrolling in specific courses. By the conclusion of this term, you must be in good academic standing to remain enrolled.

If you are reinstated to the same program in which you were last enrolled, you must immediately repeat the course(s) for which you received the grade(s) that caused your cumulative GPA to drop below 3.0. If you are reinstated to a different program, your previous coursework and credits will not apply.

If you fail to attain a cumulative GPA of 3.0 or higher or if you earn a term GPA below 3.0, you will be academically dismissed, and you will not be eligible to apply for reinstatement or a restart again.

If you have questions about the reinstatement process, speak with an academic advisor.

Restart After Dismissal from or Academic Probation in a Graduate Program

If you were academically dismissed from a graduate program, have not been approved for reinstatement (as described in the preceding section), and have not attended graduate classes for a period of at least five consecutive years, you may request a one-time restart. You may also request a one-time restart if you were on academic probation when you last attended and have not attended graduate classes for a period of at least five consecutive years. Grades and credits previously earned will not apply toward any program you pursue upon your return, and you must fulfill the program requirements in effect at the time you restart.

Program Completion Requirements

The award of degrees and certificates is conditional upon satisfactory completion of all program requirements, compliance with all UMGC policies, and satisfactory or good academic standing (described on pp. 36-37). Graduation clearance will not be granted if you are not in good academic standing, have outstanding debt to UMGC, or have any outstanding misconduct charges or unsatisfied sanction restrictions. Individual programs may have additional requirements that must be met before graduation clearance can be granted.

Scholastic Recognition

Honor Societies

Honor societies are national organizations that celebrate the scholarship and leadership of students in specific fields of study. The honor societies represented at UMGC meet our high academic standards, and membership is a privilege that can enhance your academic and professional stature. Contact information for each honor society chapter can be found online at europe.umgc.edu/honors. Many honor societies process new membership applications only once or twice a year. If you receive an invitation to an honor society, you should first check that it is listed on the UMGC website or in this catalog before joining. The descriptions that follow indicate whether an honor society is open to undergraduate students, graduate students, or both.

Alpha Sigma Lambda

Alpha Sigma Lambda is a nationally recognized honor society that celebrates the scholarship and leadership of adult undergraduate students in higher education. Members of Alpha Sigma Lambda are highly motivated adult students who are pursuing their undergraduate education and managing the responsibilities of work and family while studying. To qualify for membership, you must be pursuing a first associate or bachelor's degree; have completed at least 24 credits at UMGC in courses graded A, B, C, D, or F; and maintained a GPA of 3.7 or higher in all UMGC courses. At least 15 credits, from UMGC or transferred, must be in courses outside the major.

Lambda Epsilon Chi

Lambda Epsilon Chi is the national honor society founded by the American Association for Paralegal Education (AAfPE), which recognizes the scholarship and leadership of students in higher education. There are more than 150 chapters throughout the United States and thousands of inductees who have been honored for their outstanding academic achievements.

Membership is open to legal studies majors by invitation only. To be eligible for membership, you must complete a minimum of 24 hours of legal studies coursework and demonstrate superior academic performance, as evidenced by an overall UMGC GPA of at least 3.25, as well as a GPA of at least 3.5 in your legal studies classes at UMGC.

ACADEMIC AND ADMINISTRATIVE REQUIREMENTS

National Society of Collegiate Scholars

The National Society of Collegiate Scholars is an honor society recognizing students who have completed fewer than 60 credits toward an associate or a bachelor's degree and have shown academic excellence. The honor society encourages members to participate in honor society, university, and community events and provides resources to enable them to focus on their professional and leadership development.

To be eligible, you must be seeking a first associate or bachelor's degree. You must have completed at least 12 credits at UMGC in courses graded A, B, C, D, or F and have a cumulative GPA of 3.0 or higher. In addition, you must have completed between 12 and 59 credits toward your degree.

Phi Alpha Theta

As a UMGC undergraduate student, you may qualify for membership in Phi Alpha Theta, the international honor society in history. To qualify for membership, you must attain a GPA of 3.5 or higher in at least 12 credits of UMGC history courses and have an overall UMGC GPA of 3.0.

Phi Kappa Phi

The Honor Society of Phi Kappa Phi promotes the pursuit of excellence in all fields of higher education and recognizes outstanding achievement by students, faculty, and others through election to membership and through various awards for distinguished achievement. Admission is by invitation only. If you are an undergraduate student in your junior year, have completed between 72 and 89 credits toward your degree (including at least 24 credits at UMGC), and rank academically in the upper 7.5 percent of the class, you may be eligible. If you are in your undergraduate senior year, have completed 90 or more credits toward your degree (including at least 24 credits at UMGC), and rank academically in the upper 10 percent of the class, you may be eligible. As a graduate student, you must have completed at least 18 credits in your program and be in the top 10 percent of all graduate students. Invitations are sent out to students who meet these eligibility requirements.

Pi Gamma Mu

Pi Gamma Mu is the international honor society for the social sciences and recognizes outstanding scholarship in that area at UMGC. Membership is offered to qualified undergraduate students interested in anthropology, criminology, economics, gerontology, history, legal studies, political science, social psychology, sociology, and women's studies.

You must have completed at least 45 credits toward your degree to be eligible. If you have earned at least 20 credits in social science coursework (including at least 9 credits at UMGC) and have a GPA in the top 35 percent of your class, you may be invited to join in the spring each year. For inquiries about membership, contact marylandtheta@umgc.org. For more information about this honor society, visit pigammamu.org/.

Pi Lambda Theta

Pi Lambda Theta, one of the nation's most prestigious education honor societies, was designed to advance education as a profession. The society honors the accomplishments of exemplary educators and supports the continuing development of knowledge and skills of teacher candidates. Membership is open only to students in the Master of Arts in Teaching (MAT) program. To be eligible, you must have completed at least 12 credits in the MAT program with a minimum GPA of 3.5.

SALUTE

SALUTE (which stands for Service, Academics, Leadership, Unity, Tribute, Excellence) is the first national honor society established for student veterans and military in two-year and four-year institutions of higher education. Members include retirees, disabled veterans, active-duty military, National Guard members, and reservists who are returning to higher education, starting second careers, or helping fund their college careers with military service.

To be eligible for SALUTE, you must be currently enrolled at UMGC; be currently serving in or have been honorably discharged from the military (including National Guard and reserves); have completed at least 12 credits with UMGC (or equivalent); have served as a mentor in the One2One mentoring program for at least one term, posted feedback on Vessey Veterans Student Union articles or to the social wall at least twice per month, or served as a volunteer in the past six months; display the highest ethical standards; and maintain a GPA of at least 3.0 as an undergraduate student or 3.5 as a graduate student. Documentation of volunteer activity is required.

If you meet the minimum standards stated above, you are encouraged to apply for membership. To learn more, visit umgc.edu/salute.

Sigma Phi Omega

Sigma Phi Omega is a national academic honor and professional society in gerontology that seeks to promote scholarship, professionalism, friendship, and services to older persons and to recognize exemplary attainment in gerontology and aging studies and related fields. Student membership is open to undergraduate students majoring or minoring in gerontology and aging services, social science (with a focus on gerontology), and related fields. You must be in at least your second term of enrollment, have completed a minimum of 12 credits at UMGC, and have a GPA of at least 3.3. You may apply for membership at sigmaphiomega.org/. Your eligibility will be confirmed through the chapter sponsor before membership is conferred.

Sigma Tau Delta

Membership in Sigma Tau Delta, the international English honor society, is open to qualified UMGC students with a major in English. To be eligible, you must have earned at least 45 credits toward the bachelor's degree with an overall GPA of 3.5 or higher. At least 30 credits must have been earned through UMGC and must include 12 credits of English, not including WRTG 112 or WRTG 101, and 6 credits of upper-level coursework. You must also have earned a GPA of 3.6 or higher in English major coursework at UMGC.

Upsilon Phi Delta

Upsilon Phi Delta is a national academic honor society founded by the Association of University Programs in Health Administration for undergraduate and graduate students in healthcare management and policy and designed to recognize, reward, and encourage academic excellence in the study of healthcare administration. To be eligible as an undergraduate student, you must have a cumulative GPA of 3.25 or higher and at least 18 credits of coursework in health services management with a GPA of 3.25 or higher in those courses. If you are a graduate student, you must have a cumulative GPA of 3.5 or higher and at least 18 credits of graduate coursework.

Upsilon Pi Epsilon

The Kappa Chapter of Upsilon Pi Epsilon, the international honor society for the computing and information disciplines, is open to undergraduate and graduate students. To be eligible for membership as an undergraduate, you must be pursuing a bachelor's degree with a major in the computing and information disciplines and must have completed at least 45 credits. You should have completed at least 30 credits at UMGC in courses graded A, B, C, D, or F, including at least 15 credits in the computing and

information disciplines, and you must have a GPA of at least 3.5 overall and in all computing and information systems coursework.

If you are a graduate student, you may be considered for membership if you are pursuing one of the following degrees: MS in Cloud Computing Systems, Cyber Operations, Cybersecurity Management and Policy, Cybersecurity Technology, Data Analytics, Digital Forensics and Cyber Investigation, Information Technology (with a specialization in database systems technology, informatics, information assurance, software engineering, or systems engineering), or Management (with a specialization in information systems and services). To qualify for graduate-level membership, you must have completed at least 18 credits at UMGC toward your degree, with a cumulative GPA of 3.5 or higher.

Undergraduate Scholastic Recognition

Academic Honors

Academic honors for excellence in scholarship are determined by your cumulative GPA at UMGC at the time of your bachelor's degree conferral. The distinction of *summa cum laude* is conferred on those students with a cumulative GPA of 4.000, *magna cum laude* honors are conferred on those with a cumulative GPA of 3.901 up to 3.999, and *cum laude* honors are conferred on those with a cumulative GPA of 3.800 up to 3.900. To be eligible for any of these categories of recognition, you must have earned at least 30 credits at UMGC in courses for which a letter grade and quality points were assigned. For honors to be conferred with a second bachelor's degree, you are required to have a total of 30 new UMGC credits and the requisite GPA. Honors are not calculated or awarded for your associate degree.

Dean's List

The dean's list is calculated at the end of each term. To be eligible for the dean's list, you must have completed at least 6 credits (in courses graded A, B, C, D, or F) during the term, earned a GPA of at least 3.5 for the term, and maintained a cumulative GPA of 3.5 at UMGC.

All courses taken during the term are used in computing the GPA, even though the total number of credits may exceed 6. A term is designated as fall, spring, or summer.

If you make the Dean's List, you will be notified via email of your achievement by the Office of the Dean of your school.

Responsibilities of the Student

Academic Integrity

Integrity in teaching and learning is a fundamental principle of a university. As a member of the International Center for Academic Integrity (academicintegrity.org), UMGC subscribes to the center's definition of academic integrity as "a commitment, even in the face of adversity, to six fundamental values: honesty, trust, fairness, respect, responsibility, and courage." UMGC believes that all members of the university community share the responsibility for academic integrity.

As a UMGC student, you are expected to conduct yourself in a manner that will contribute to the maintenance of academic integrity in accordance with the university's philosophy of academic integrity (umgc.edu/integrityphil). All forms of academic misconduct, defined as actions that create an unfair academic advantage, are a violation of the principles of academic integrity and will not be permitted. Attempts to engage in academic misconduct or to assist others in doing so are prohibited and may result in disciplinary actions that range from lower assignment grades to expulsion. Candor, the acknowledgement of error, and willingness to learn from mistakes are valued in the misconduct review process. Resources to help you uphold the highest standards of academic integrity and a link to UMGC Policy 150.25 Academic Integrity are available at umgc.edu/academicintegrity. UMGC strongly encourages you to review the complete policy and to make use of available resources and support services.



Appealing a Grade

College and university students inevitably encounter faculty members who vary widely in teaching philosophy and demeanor and who use different teaching styles. Not only is teaching influenced by course content, there are also many ways of conveying the same material. It is only natural that you will like the style and personality of some faculty members more than others. Disagreement with a faculty member over demeanor and teaching style, however, is not grounds for a grade appeal. You have the opportunity to express your opinions on these matters through the course evaluation forms you complete for every UMGC course.

Regardless of teaching style, it may happen that you believe a faculty member's determination of your final course grade has been arbitrary and capricious. The phrase "arbitrary and capricious grading" is defined in UMGC Policy 130.80 as

- ✦ A final course grade assigned on some basis other than performance in the course; or
- ✦ A final course grade assigned by resorting to unreasonable standards different from those that were applied to other students in that course; or
- ✦ A final course grade assigned by a substantial, unreasonable, or unannounced departure from the faculty member's previously articulated grading standards.

The established performance standards for a course grade are communicated in the syllabus and other course materials. If you reasonably believe your final grade was not based on such standards but was arbitrary and capricious, you may pursue the appeal process for arbitrary and capricious grading. You should first confer promptly with the faculty member of the course.

There is a time limit on appealing a grade; if you want to appeal a grade, you must initiate the process by requesting a conference with the faculty member to discuss how the grade was calculated within 30 calendar days of the posting of the grade. If you have conferenced with a faculty member with no resolution, contact academicaffairs-europe@umgc.edu with a detailed explanation of how you believe that your grade situation fits the definition of arbitrary and capricious grading as provided in the policy.

If you have not been able to contact the faculty member after a reasonable effort, or if you and the faculty member cannot, after consultation, reach a satisfactory resolution, you may file a written request with the appeal administrator (the associate vice president and associate dean, UMGC Europe) asking how the final grade was calculated.

Procedures for appealing a grade are detailed in UMGC Policy 130.80 Procedures for Review of Alleged Arbitrary and Capricious Grading, found at umgc.edu/policies.

Attendance and Participation

You are responsible for attending all on-site and online classes and any related activities regularly and punctually. Faculty members may base part of the final grade on class participation.

According to the university's definition of a unit of credit (described in Policy 160.00 Credit Hour Definition), you should expect to spend 42 to 45 hours on coursework (online or on-site class discussions and activities, additional study, readings, and preparation of assignments) for each credit you earn. As a rule of thumb, you should expect to devote at least three hours of outside study each week for every credit in which you are enrolled. For example, you would need to devote at least nine hours per week to outside study for a 3-credit course. Courses offered in shorter intensive formats require more time per week.

You are expected to achieve the same intended learning outcomes and do the same amount of work in an online or hybrid course as you would in an on-site course. Active participation is required in all courses, and you should expect to log in to your online, on-site, or hybrid courses several times a week.

Absence from class does not excuse you from missed coursework. You are responsible for completing any missed coursework, as indicated in the course syllabus, and obtaining detailed information about missed class sessions, including their content, activities covered, and any announcements or assignments. Failure to complete any required coursework may adversely affect your grade. Faculty members are not expected to repeat material that you missed because of your absence from class.

You may not give permission to another person to accompany you to an on-site class meeting, to attend an on-site class meeting in your place, or to access or attend your online class, except as part of reasonable accommodations arranged in advance through Accessibility Services.

Change of Address or Name

If you move during the session, you should not only leave a forwarding address with the postal authorities but should also notify UMGC by updating your personal information through MyUMGC. If you are leaving Europe, you must also submit a relocation form through MyUMGC.

Your request for a name change on official records of UMGC must be accompanied by **one** of the following documents:

- ✧ Valid passport
- ✧ Social Security card
- ✧ Valid driver's license or state ID card
- ✧ Marriage certificate
- ✧ Valid permanent resident card
- ✧ Birth certificate
- ✧ Divorce decree
- ✧ Court-approved petition for name change
- ✧ Valid alien registration card

Your request can be made through MyUMGC, but must be followed by mailing in the requested documents. To ensure accurate and complete student records, you must continue to register under your former name until the request and documentation have been forwarded and processed.

The Demographic Information Update Form may also be used to update/change your name, telephone number, permanent address, email address, date of birth, social security number, and/or emergency contact information. The form is found at europe.umgc.edu/students/forms.cfm or through MyUMGC.

ACADEMIC AND ADMINISTRATIVE REQUIREMENTS

Code of Civility

To promote a positive, collegial atmosphere among students, faculty, and staff, UMGC has developed the following Code of Civility:

Respect

Treat all students, faculty, and staff with respect and in a professional and courteous manner at all times and in all communications, whether in person or in written communication (including email).

Kindness

Refrain from using profanity, insults, or other disparaging remarks.

Truth

Endeavor to cite only the truth and not knowingly misrepresent, mischaracterize, or misquote information received from others.

Responsibility

Take responsibility for one's own actions instead of blaming others.

Cooperation

Work together with other students, faculty, and staff in a spirit of cooperation toward the common goals of seeking and providing quality education.

Privacy

Strive to uphold the right to privacy and not talk about others.

Nondiscrimination

Respect the differences in people and their ideas and opinions and reject bigotry.

Code of Student Conduct

UMGC Policy 151.00 Code of Student Conduct outlines prohibited conduct and the procedures by which such conduct is addressed. The university reserves the right to take appropriate action to protect the safety and well-being of the UMGC community.

You may be accountable to both civil authorities and to UMGC for acts that constitute violations of law and of this code. Disciplinary action at UMGC normally will go forward pending criminal proceedings and will not be subject to challenge on the grounds that criminal charges involving the same incident have been dismissed or reduced.

In every case of alleged Code of Conduct violation, the burden of proof rests with the complainant, who must establish the responsibility of the person accused by a preponderance of evidence. In cases where the complainant wishes to remain anonymous, the burden of proof rests with the administrator.

See umgc.edu/student-conduct for additional information about the UMGC Code of Student Conduct.

Connectivity and Technical Fluency

UMGC is committed to ensuring that you have access to up-to-date resources and acquire the level of fluency in information technology you need to participate actively in contemporary society.

As a UMGC student, you must own or have access to a personal computer, have access to the internet, and have a current email address. You must be prepared to participate in asynchronous, computer-based class discussions, study groups, online database searches, course evaluations, and other online activities whether your course is held online or in an on-site classroom. Although a mobile device is useful for keeping up with reading course materials and posting to discussion boards, a computer provides all the functionality needed for an online classroom.

You must also be able to reach fellow students, faculty, and the university via email. You will be assigned a UMGC account, which includes email, as soon as you register. While you are not required to use the UMGC email address, you must provide and maintain a current email address through MyUMGC (my.umgc.edu).

In addition, you are expected to have a working knowledge of and access to a basic word processing program, such as Microsoft Word; a spreadsheet program, such as Microsoft Excel; internet email services; Microsoft Windows; and the World Wide Web. As a UMGC student, you may use Microsoft Office 365, including Word, Excel, and PowerPoint, plus additional classroom tools at no cost. Office 365 can be accessed either via the web or by downloading applications to home or work computers.

Information on technology requirements for computing and IT courses is provided on p. 2.

The most current technical requirements are available online at umgc.edu/techreq.

Placement Testing

Proper placement in critical core courses helps ensure your success and allows you to advance more quickly toward your degree goals. UMGC offers complimentary placement testing to help determine the most appropriate course in certain foreign languages for your academic success.

You are not required to take a writing placement exam before you register for a writing course at UMGC.

Contact Exams and Testing Services by phone at +1-800-888-8682, ext. 2-2600, or by email at exams@umgc.edu.

Grievance and Appeal Procedures

If you have an academic issue including faculty or academic departments, contact Academic Affairs at academicaffairs-europe@umgc.edu. Most academic issues about specific problems that have arisen can be resolved by contacting the faculty member teaching your class before they escalate further.

To file a formal complaint concerning the actions of members of the UMGC faculty or administrative staff, you must follow procedures detailed in UMGC Policy 130.70 Student Grievance Procedures, which is available at umgc.edu/policies. If you wish to seek redress for the acts or omissions of a faculty or staff member, you must first request a conference with that person by telephone, in writing, through video conferencing, or in person and attempt to resolve the complaint informally within 14 days of the alleged act or omission. If you have attempted resolution within the academic program without a satisfactory outcome, email academicaffairs-europe@umgc.edu and include information required by the grievance policy.

If you are not satisfied with the outcome of your student grievance, you may submit your complaint to an applicable accreditor, state higher education agency, or other external entity. Contact information for external entities is available at umgc.edu/external-complaint.

If you wish to file a complaint about discrimination or harassment, you must follow the procedures detailed in UMGC Policy Affirmative Action and Equal Opportunity, available at umgc.edu/eeo. You can file a complaint regarding discrimination or harassment at fairpractices@umgc.edu. You may file a complaint regarding sexual misconduct at titleinvestigator-overseas@umgc.edu.

Intellectual Property

The primary mission of universities is to create, preserve, and disseminate knowledge. When that knowledge takes the form of intellectual property, a university must establish a clear and explicit policy that will protect the interests of the creators and the university while ensuring that society benefits from the fair and full dissemination of that knowledge. UMGC's policy on intellectual property is available online at umgc.edu/intellectual-property.

Relocating Within UMGC

If you wish to transfer from one UMGC campus to another (UMGC Asia, UMGC Europe, or UMGC Stateside), you need only to complete the relocation request form in MyUMGC (my.umgc.edu). Your records will then be automatically available for the selected UMGC campus.

You are required to complete the relocation request form within 15 days after you relocate. There is no fee for relocations.

Transfer of Credits from UMGC

To have credits earned through UMGC transferred to another institution, you must obtain authoritative guidance from the destination institution to which you intend to transfer — even if it is another institution in the University System of Maryland. The transferability of credits earned is always at the discretion of the receiving institution. Only that institution can answer specific questions about whether it will accept transfer credit, as well as whether any credits may satisfy its admission, residency, and degree requirements or apply to its curricula.

ACADEMIC AND ADMINISTRATIVE REQUIREMENTS

Summary of Student Responsibilities

Meet Admission Requirements		Submission Deadlines	
• Complete online application through MyUMGC		Prior to registration deadline for your classes	
• Validate eligibility—visit UMGC office on-site or virtually to have military ID verified		As soon as possible after submitting application—no later than first day of classes	
• Pay non-refundable application fee		During the session you apply (consortium students must submit an Application Fee Waiver Request at the time you apply to have the fee waived)	
• Submit high school transcripts or proof of high school equivalency		During the first term after you apply, have transcripts sent directly to UMGC Stateside (or submit JST, CCAF, or official college transcripts, if transferring 30 or more credits)	
• Foreign-educated students – submit proof of English proficiency		Prior to first enrollment	
• Foreign-educated students with fewer than 24 credits from an approved U.S. college or university – submit an evaluation from an approved international agency or GED scores		By the end of the first term of study	
Visit an Academic Advisor		When to Visit (see p. 51 for additional information)	
• Tentative Evaluation (Fast Plan)		As soon as possible: Provide unofficial transcripts to your academic advisor to receive a no-cost evaluation of credit and find out which courses you need for your degree	
• Official Evaluation		During your first session, request official transcripts from all previous institutions attended and your military documents to be sent directly to UMGC Stateside for review	
• Contact or visit your academic advisor		At least once a year; preferably once each term	
Register For Courses		Last Date to Register	
• On-site courses		Start date of the course (various start dates)	
• Hybrid and online courses		The day before the start date of the session (usually a Tuesday)	
• Field study courses		Seven days prior to the start date	
Change Your Grading Method		Deadline to Choose Pass/Fail, Audit, or Standard	
• 8-week course		During first week of your course	
• Longer than 8-week course		During first two weeks of your course	
• Shorter than 8-week course		During 100 percent drop dates	
Withdraw from Courses		Last Date to Withdraw	
• On-site courses		Day before the course end date	
• Hybrid courses		9 days before the course end date	
• Online courses		Before 65 percent of the total days of the course	
UNDERGRADUATE/GRADUATE 3-TERM PROGRAMS		GRADUATE 4-TERM PROGRAMS	
Apply for Graduation	Application Deadline	Apply for Graduation	Application Deadline
Fall (30 December)	15 October	Fall (30 December)	15 October
Spring (30 May)	15 February	Winter (30 March)	15 February
Summer (30 August)	15 June	Spring (30 June)	1 April
		Summer (30 September)	15 July

Services and Resources

Availability of Services

UMGC provides numerous services and resources to help you complete your educational program from anywhere in the world—through systems and resources available online; by email, chat, and voice and text telephone communication; and virtually or in-person at your local education center, as well as throughout the Maryland area and many military sites stateside and worldwide (listed at umgc.edu/locations). A number of offices are responsible for the delivery of these services, including Accessibility Services, Admissions, Academic Advising, Career Services, Student Financial Services, Student Services, Information Technology, the Office of the Registrar and the UMGc Library.

Among these, the Offices of Academic Advising, Student Services, and the Registrar respond to most of your academic needs throughout your college career, providing general information; admission assistance; academic advising; registration, graduation, and transcript services; and veterans benefits assistance.

Contact information for our on-site and virtual UMGc offices is available at europe.umgc.edu/locations.

Academic Advising

Academic advisors provide the information you need to plan and successfully navigate your academic program. Their assistance can include reviewing potential transfer credit, helping you clarify education and career goals, and helping you select appropriate courses. Academic advising services are available by phone, email, video conference, and in person at times and places that are convenient to you. For information about academic advising and how to schedule an appointment with your advisor, see p. 51.

Accessibility Services

Reasonable accommodations are available to help you if you have a documented disability and are enrolled in any program offered at UMGc.

You can request disability-related accommodations by submitting a request to Accessibility Services.

You should make your request for accommodations as early as possible to allow sufficient time for the processing of your request and development of your accommodation plan.

Once the request is received, Accessibility Services will notify you of the status of your request and schedule an intake appointment, which may be held by phone or email. During the appointment, Accessibility Services will discuss with you your specific request for accommodations, your academic needs, on-site resources, and Accessibility Services' policies and procedures. Decisions regarding accommodations are made on an individualized assessment of program requirements and the need for accommodations. Once an accommodation plan is finalized, Accessibility Services will provide the plan to your teachers upon your written request.

You are under no obligation to disclose a disability unless an accommodation is being requested. A decision not to disclose is understood and respected; however, faculty members are not encouraged to provide accommodations if a formal accommodation plan is not received. All disability information provided to Accessibility Services is maintained separately from your academic information and is not considered part of your permanent academic record. Disability-related information is used solely for the purpose of establishing the existence of your disability and enabling UMGc to facilitate academic and supportive services related to your disability.

For more information, visit europe.umgc.edu/accessibility or contact Accessibility Services by phone at +1-800-888-8682, ext. 2-2287, or +1-240-684-2277 (TTY) or by email at accessibilityservices@umgc.edu.

Admission Assistance

Program coordinators can help you if you are inquiring about becoming a UMGc student or are admitted but have not yet registered. They can help you apply for admission, identify and provide information about the right payment option, explain the different class formats, and assist you with registering for your first classes. They are also available to assist you throughout your educational career.

You will find information about visiting or contacting your local UMGc Europe program coordinator at europe.umgc.edu/locations.

Alumni Association

The UMGC Alumni Association, founded in 1990, fosters and perpetuates lifelong relationships between alumni and their alma mater. Its mission is to support, enhance, and promote UMGC and its community of students, faculty, and alumni worldwide.

Membership in the Alumni Association is free for UMGC graduates. The association invites graduates to stay connected through volunteer service, social events, career networking, and other opportunities. Benefit programs and resources include career services, networking opportunities, affinity partner discounts, and special alumni events—held both online and on-site.

Membership in the UMGC Alumni Association offers an exceptional opportunity to expand personal and professional networks. UMGC currently has more than 270,000 graduates in 47 states and 24 countries. UMGC alumni work in nearly all major international and Fortune 500 organizations, federal agencies, branches of the military, and private industry.

For more information on the Alumni Association and how to activate your free membership, visit alumni.umgc.edu. You can also follow the Alumni Association on Facebook, LinkedIn, and Twitter.

Career Services

Career Services provides resources and services for UMGC students and alumni worldwide to inform them about, prepare them for, and connect them with career and job-search needs. To access Career Services, you should activate your account on CareerQuest, UMGC's online career portal, at careerquest.umgc.edu using your UMGC login credentials.

Tools and Resources

Career Services offers a variety of tools and resources, available online 24 hours a day, that can be useful in the career planning and job-search process. Resources include résumé builders and critiques, online mock interviews, video job-search tips, LinkedIn profile critiques, mentor matching, and occupational information.

Job-Search Services

UMGC offers several services designed to support UMGC students and alumni who are seeking employment. Services include employer recruitment sessions and job fairs (held online and on-site); employability and job-seeking skills webinars, such as résumé writing and interview preparation; and job-search tutorials. CareerQuest enables you to register for recurring events, search job listings and set job alerts, and post résumés for prospective employers.

Career Development and Planning

Career Services staff are available to provide personalized attention to help you clarify your skills, interests, and work-related values; make career/life-related decisions; research career options; plan for further study; and search for employment, whether you are new to your career field, making a career transition, or looking for guidance on how to climb the corporate ladder as an experienced professional.

Career advising services are available by appointment (on-site and by phone, video chat, and email) and can be scheduled via CareerQuest. Call +1-800-888-8682, ext. 2-2720 or visit umgc.edu/careerservices for more information.

Computer Labs and Services

UMGC computer labs are available at many UMGC sites. These labs are available primarily for the use of students completing coursework but are also open to faculty members, staff, and alumni on a first-come, first-served basis on presentation of a valid UMGC ID. You must bring media to save data or documents. Acceptable media include flash drives or thumb drives. Technical support for MyUMGC, the learning management system, and other learning applications is available 24 hours a day, seven days a week, at umgc.edu/help or +1-888-360-8682. For the most current information on technical requirements for online, on-site, and hybrid courses, visit umgc.edu/techreq.

Course Materials

You can complete most UMGC degrees without purchasing textbooks, thanks to electronic resources that are free, up to date, and available in your online classroom. These freely available educational resources may include electronic textbooks, lectures, links to websites, and other selected documents and media.

Some courses do require the use of specific software or content that cannot be accessed for free. When you register for a course, check the required course materials listed in the course syllabus to determine whether you will need to buy any course materials. These materials are not included on your student account or added with your tuition and fees and must be paid for out-of-pocket.

For those few courses that require additional resources, you may order textbooks and software either through the vendor listed on the interactive schedule, from Barnes and Noble College (formerly MBS Direct) online through the UMGC online bookstore (umgc.edu/bookstore), or by mail.

In rare cases, your faculty member will provide information on special resources to purchase. Social work students may order course materials through WebText found at webtext.europe.umgc.edu/.

Graduation Clearance and Services

UMGC awards most certificates and degrees three times each academic year: in fall, spring, and summer, and winter for some graduate degrees. Commencement ceremonies each spring recognize AA, BA, BS, and master's candidates who have earned their degrees in any of the degree periods. If you are graduating in May or graduated in August or December of the previous year or March of this year, you are invited to participate in the commencement ceremony.

Application Deadlines

If you expect to complete requirements for your program, you are responsible for making sure you have reviewed your academic advisement report (AAR) with an academic advisor, filed an application for graduation (available online through MyUMGC at my.umgc.edu) with Graduation Services, and paid the appropriate fee (currently \$50).

For all undergraduate and some graduate programs, this may be done at the time you register for your final term or by the following deadlines:

Graduation Term	Application Deadline	Conferral Date
Fall	15 October	30 December
Spring	15 February	30 May
Summer	15 June	30 August

If you are in a graduate program that requires CBR 600, DCL 600M, DCL 600T, or PRO 600, you may submit your application for graduation at the time you register for your final term or up to the following deadlines:

Graduation Term	Application Deadline	Conferral Date
Fall	15 October	30 December
Winter	15 February	30 March
Spring	1 April	30 June
Summer	15 July	30 September

The same deadlines apply if you are completing a certificate program. The application form must be completed via MyUMGC at my.umgc.edu.

MyUMGC > Academic Records > Graduation > Apply for Graduation

IMPORTANT INFORMATION FOR DEGREE CANDIDATES

The graduation dates when degrees are awarded are not the same dates as the commencement ceremonies. Candidates may find more information about commencement on the UMGC Europe website.

Clearance Process for Graduation

Once you have applied for graduation, Graduation Services will review your academic requirements and determines whether you are cleared for graduation. If you do not complete degree requirements in the term in which you first applied for graduation, your graduation application will automatically be moved to the next term. You will not be required to reapply, and you do not need to pay the application fee again.

If you are taking courses or exams outside of UMGC in your final term, contact your academic advisor to request a Permission to Enroll form. Once the form has been completed and submitted, it will be reviewed by a member of the Graduation Services team. Your transcript must reflect completion of such coursework or exams before the terms conferral date to be accepted toward that term's conferral. Documentation should reach UMGC no later than the expected graduation date and should be sent to

Attn: Student Records
University of Maryland Global Campus
3501 University Boulevard East
Adelphi, MD 20783-8070

For more information on the clearance process for graduation, visit umgc.edu/graduationservices.

Issuance of Diplomas, Official Transcripts, and Letters of Completion

All AA, BA, BS, and master's graduates, as well as certificate recipients, can expect to receive their diplomas/certificates and a complimentary transcript by mail from the Office of the Registrar approximately four weeks after the graduation date. You will also be issued a digital diploma after your degree or certificate has been awarded.

Degrees and certificates are posted on transcripts only three times each academic year for undergraduate and some graduate programs and four times a year for programs with a winter term. The Graduation Services team certifies degree completion, awards degrees or certificates, and orders diploma(s). Transcripts are not updated to show program completion, nor are diplomas and certificates ordered, until the degree has been awarded, even if all requirements have been completed.

If you require verification of your degree completion prior to the graduation date, you may request a letter of completion (LOC) once you have completed your degree coursework by sending an email to graduationserv@umgc.edu. You should be sure to include your name, Student/EmplID, mailing address, and how you would like to receive your LOC (email, mail, or fax). If your letter needs to be sent to a third party, please include that information in your email. After the graduation date has passed, you must request an official transcript for degree completion verification.

The UMGC Library

The UMGC Library (umgc.edu/library) educates students, faculty, and staff in the use of library and information resources and services, emphasizing information literacy knowledge and skills for success in today's information-rich world. The UMGC Library also provides extensive online library resources and services for UMGC students, faculty, and staff worldwide.

Library Resources

The UMGC Library provides access to research materials related to UMGC's academic programs. You can access subscription research databases containing hundreds of thousands of full-text articles and thousands of electronic books.

OneSearch allows you to search for scholarly articles, books, and other research resources from most of the research databases. In addition, subject-specific resource guides to serve as starting points for your research. Each guide includes research databases, books, websites, and other resources related to your topic or program.

At most military installations where UMGC offers courses, the Army, Air Force, or Navy maintains a library, usually staffed by professional librarians. The combined holdings of the libraries, including several million books and audio-visual materials, are available to all UMGC students. Many libraries also have computers with Internet connections as well as computers which connect to a selection of research databases available from inside the library only.

Faculty resources are available online in the UMGC Library. These databases are maintained specifically to augment faculty members' personal resources by providing background materials for use in preparing and conducting their classes.

Library Instruction and Research Assistance

Reference and research assistance and technical help is available daily (except holidays), during regularly scheduled hours, via online chat, email, and telephone. Research consultation appointments are also available for in-depth assistance. The UMGC Library home page also provides extensive resources on conducting research, writing, citing, and maintaining academic integrity. Periodic library webinars can also help you learn more about research and citation. Visit umgc.edu/library for more information.

MyUMGC

Through MyUMGC (my.umgc.edu), you have access to many of your personal UMGC records. The system enables you to register and pay for courses, change personal information (such as home address or phone numbers), view and print reports (such as your class schedule, grade report, statement of account, unofficial transcript, and academic advisement report), and check on the status of your financial aid application. To access services, you must enter your UMGC login credentials.

Student Advisory Council

The Student Advisory Council provides advice to the university administration, and thus serves as an avenue for you and your fellow students to provide feedback about UMGC's mission and overall direction. The council consists of 12 members, elected by the student body, who act in an advisory capacity to the university leadership on behalf of all students. The council does not have the authority to act on behalf of individual students but instead provides recommendations for the improvement of UMGC for the benefit of all.

If you would like to see certain issues addressed or have questions, you should contact your council representative by email at stac@umgc.edu.

More information on student governance is available at umgc.edu/stac.

Student Organizations

Student organizations provide professional growth, leadership development, and a sense of community. They include academic focused groups where you can engage with career-related topics and opportunities and interest-based groups that provide you with ways to support and connect with other students through a shared purpose. UMGC's student organizations have virtual communities and enable you to participate regardless of your location. Visit umgc.edu/clubs for a list of active student organizations and instructions on becoming a member.

Transcript Services

Official academic records are maintained by the Office of the Registrar at UMGC and show all graded coursework taken through UMGC. A summary of your transfer credit from other institutions (including other institutions in the University System of Maryland) is also listed on your official transcript, if an official evaluation has been completed.

Your records are considered confidential. Therefore, UMGC releases transcripts only upon receiving an online transcript request from you and payment of the appropriate fee. Online requests are authenticated through your login credentials. An electronic release form is provided during the request process and serves as your official signature.

Various procedures for requesting transcripts are available online at umgc.edu/transcripts. A fee is charged for each UMGC transcript that is issued; additional fees are charged for rush overnight processing. You should allow at least three business days for transcript requests to be processed. All financial obligations to the university must be satisfied before a transcript may be released.

Tutoring and Writing Resources

Free online tutoring via *Tutor.com* is available in select courses in accounting, computer programming and information technology, economics, finance, statistics, and other select general education courses. Tutoring is not yet available for all subjects offered at UMGC. You are encouraged to first seek guidance from the class's faculty member; who is eager to help you master the material and concepts of the course. More information about tutoring services is available at umgc.edu/tutoring. If you need additional information or have any questions, email tutoring@umgc.edu.

Writing tutoring is available for all classes through various means. You can access *Tutor.com* through the online classroom and upload a draft of a paper to receive targeted assistance. You can also access writing-related services and resources through the Effective Writing Center, which is available online 24 hours a day, seven days a week. The center's experienced, trained tutors can help you develop key writing skills by providing specialized individual online tutoring, self-study modules, and other writing resources. You can schedule a session with a UMGC writing tutor via email to writingcenter@umgc.edu to set the day and time. There are also a number of additional resources hosted by the center, such as the "Online Guide to Writing and Research" and other multimedia materials. The center's goal is to help you become a more skilled and confident writer who understands the tasks before you, so that you are better prepared for your next assignment, whether that is in the classroom or in your career. More information is available at umgc.edu/ewc.

Verification Services

Enrollment Verification

UMGC participates in the National Student Clearinghouse, which, in turn, supplies verification of enrollment to lending agencies. UMGC reports enrollment data on students to the clearinghouse two times each month. Enrollment data is provided for all students who are enrolled in classes, whether they are attending full time, half time, or less than half time, as well as for students who are considered to have withdrawn from the university. UMGC also reports degree information, including graduation date, for students who have completed an academic program.

If you are a current student, you may request enrollment verification through MyUMGC free of charge. All enrollment verifications requested via MyUMGC are processed in real time and available to print on the same day.

Letters certifying official enrollment are also available upon request from the Student Services Office at UMGC Europe Headquarters. Enrollment can be certified only for the current term and for previous terms. If you are requesting a letter for a future session, the letter will be mailed out and an enrollment hold will be placed on your record. If you are no longer enrolled at UMGC, you need to request a transcript of your academic record to verify past enrollment.

Loan Deferment Form Certification

UMGC does not grant or deny deferment requests; any deferments are at the sole discretion of the lender. UMGC processes deferment forms, certifying your official dates of enrollment. If you are not enrolled in the current term, you are reported as having withdrawn, regardless of whether or not you plan to enroll or have already enrolled in a future term.

If you have a William D. Ford Federal Direct Loan and wish to apply for a deferment, you must complete the In-School Deferment Request (available at umgc.edu/finaidforms) and submit it to Student Services by emailing studentservices-europe@umgc.edu.

You should be aware both of your lender's deadlines for receiving deferment requests and UMGC's reporting schedule to avoid having deferment forms processed and forwarded to the lenders before enrollment data has been reported.

Degree Verification

UMGC has authorized the National Student Clearinghouse to provide degree verification. A degree verification will not be released until all financial obligations to the university have been satisfied.

Employers and background screening firms must contact the clearinghouse directly for this information, for which a fee is charged. For more information about this service, visit studentclearinghouse.org.

Academic Advisement

Emphasizing a personal approach to education, UMGC academic advisors are available to provide you the information needed to plan your academic program. Their assistance can include reviewing potential transfer credit, helping you clarify your education and career goals, and helping you select appropriate courses. Advising services are available at times and places convenient for you. You can choose to communicate with your academic advisor in person or by phone, video conference, or email.

You should meet with an academic advisor as early in your college career as possible to ensure that the courses you select meet the requirements for your degree or certificate with UMGC. You are also encouraged to keep track of your program requirements and seek advising. You should retain and refer to the catalog of the year you entered your program, as it contains all of the degree requirements for which you will be held accountable as long as you maintain continuous enrollment. Archived catalogs are available online at umgc.edu/catalogs.

To make an appointment, access your advisor's contact information through MyUMGC, contact your local UMGC representative, or visit europe.umgc.edu/advising.

Tentative Evaluation (Fast Plan)

As a prospective or newly admitted student, you can request a review of your potential transfer credit from your academic advisor. This review provides an estimate of the academic credit UMGC may accept toward a particular degree and of the remaining requirements needed.

You can visit your local academic advisor or submit an electronic request to obtain a tentative evaluation. In order to expedite your request, please provide your military service transcripts, any certifications, and all copies of your previous college transcripts for review (unofficial transcripts are acceptable for a tentative evaluation). To submit a request for a no-cost Fast Plan, visit europe.umgc.edu/fastplan.

This review is not binding for you or UMGC and is subject to change.



Official Evaluation / Academic Advisement Report

The purpose of the official evaluation/academic advisement report (AAR) is to show your certificate or degree progress and to help you select appropriate courses. Official evaluations are available when you have been admitted and are completing a UMGC certificate or degree.

You are responsible for submitting all pertinent academic documents (such as academic transcripts, confirmation of credit conferred by examination, or records of credit from military service schools) in a timely fashion to facilitate completion of your AAR. As an undergraduate student, if you have not completed at least 30 credits of transferable college coursework, you must also submit high school transcripts (or equivalent), unless you provide an official copy of your JST or CCAF transcript.

An official evaluation/academic advisement report

- ✦ Includes all transfer credits applicable to your degree or certificate program
- ✦ Lists all courses you completed at UMGC
- ✦ Incorporates other types of academic credit
- ✦ Remains in effect only while you remain continuously enrolled

In your academic advisement report, courses (or other sources of credit) are applied to the most appropriate requirement remaining to be filled.

Undergraduate courses that could apply to multiple requirements are assigned to the first relevant category in the following order: requirements for your academic major, general education requirements, requirements for your minor (if you have one), and electives. Verification of other undergraduate degree-wide requirements (such as minimum number of upper-level credits) follows and may affect the remaining credits you need for the degree. You should review the specific notes indicating remaining requirements found at the top of the report under “Important Information for Your Success.”

Military Degree Plans

UMGC will provide the necessary military degree plans as required by your military branch. To be eligible, you must be an active-duty military servicemember and have a completed academic advising report (AAR). Please submit all documentation so that an AAR can be completed in a timely fashion.

If you are a servicemember in the Army pursuing a certificate or an associate, bachelor’s, or graduate degree, UMGc will submit a student degree plan to ArmyIgnitEd.

If you are a Coast Guard, Marine Corps, or Navy student pursuing an associate or bachelor’s degree, UMGc will provide a military degree plan that documents any credit you have been awarded from other sources. The military degree plan also lists all your remaining degree requirements, including the total number of credits needed for graduation, as well as credits required to fulfill general education, major and minor, and elective requirements.

If you are a Coast Guard, Navy, or Marine Corps servicemember pursuing a certificate or graduate degree, you do not require a military degree plan to continue to be eligible for tuition assistance. The Academic Advisement Report is sufficient documentation for that purpose.

If you are an Air Force servicemember pursuing a certificate or an undergraduate (associate or bachelor’s) degree, UMGc will provide a specialized military degree plan (titled an Air Force Degree Plan).

IMPORTANT INFORMATION FOR SERVICEMEMBERS

UMGC’s agreement with the military services requires military students to submit all necessary documents and obtain a degree plan with UMGc by the deadline as stipulated by the service. Academic advisors can assist with further information.

Students who are pursuing an associate degree with the Community College of the Air Force (CCAF) are exempt from this requirement.

Documents Required for an Undergraduate Official Evaluation

To obtain information about degree progress, you need to submit official transcripts from all colleges and universities you previously attended, including other institutions of the University System of Maryland, and any other potential source of credit, whether or not transfer credit is requested or granted. Once all documentation is received, you will be notified by email that your academic advisement report has been completed and can be viewed in MyUMGC (my.umgc.edu).

Documents required for an undergraduate official evaluation include

- ✦ CLEP, USAFI/DSST, Excelsior College Exams, or other test results, as appropriate
- ✦ Official transcripts from all colleges or universities attended—the form *Transcript Request* (UMAA-002) is available at education centers or online.
- ✦ Appropriate military documents
- ✦ Industry-specific certifications

An official evaluation cannot be started until an official transcript has been received directly from each institution attended, even when credit from one institution is posted on the transcript of another institution. It is your responsibility to ensure that all appropriate documents have been received by UMGc.

You may request an official evaluation/academic advisement report for a new program or new major/minor by contacting your academic advisor.

During your first session at UMGc, all records of previous educational experiences must be sent directly from each issuing institution (or other source, in the case of military documents) to UMGc.

If electronic transcripts are available using one of the following networks – SPEEDE, Credentials, Parchment Exchange, National Student Clearinghouse, or eSCRIP-SAFE – they can be sent directly from the issuing institution to UMGc. Additional information can be found at europe.umgc.edu/submittranscripts.

To ensure you receive all applicable transfer credit, list all institutions on the online application.

Review of International Records

If you are seeking a review of potential transfer credit from any international postsecondary educational institutions you may have attended, you need to

- ✦ Mail your official international school documents or other official educational documents to an approved international credit evaluation agency. (Acceptable agencies are listed online at europe.umgc.edu/internationalcredit.)
- ✦ Provide unofficial copies of the above documents to your academic advisor, if you are requesting a tentative evaluation (Fast Plan).
- ✦ Pay fees associated with the international evaluation.
- ✦ Have all official transcripts from any U.S. institution previously attended sent to UMGC (see address listed below).
- ✦ Submit documentation to verify English proficiency, if required.

Record Submission by Mail

Attn: Student Records
University of Maryland Global Campus
3501 University Boulevard East
Adelphi, MD 20783-8075

Students Changing Programs

If you are considering a change to your major, minor, or certificate at the undergraduate level or a change from one master's degree program, specialization, or certificate program to another at the graduate level, you must first consult an academic advisor, who can help you determine the impact of changing degree programs.

The academic advisor can determine whether another application is required and whether any previous credit is likely to apply, as well as when you may begin to take classes in the new program. Generally, the requirements for completing your new program are those in place when you start study in the new program.

After speaking with an academic advisor, send your request in writing by email, including your name, student ID number, current program, and requested program. You will find the email address for your advisor at europe.umgc.edu/advising.

If you are using veterans education benefits or transferred benefits, you are required to submit certain forms to the VA.

Summary of Academic Advising Services

To help you, UMGC academic advisors

- ✦ Create a Fast Plan (tentative evaluation) for you within three to five business days of receipt of your unofficial transcripts.
- ✦ Review and explain your official evaluation.
- ✦ Assist with selecting classes that fit your degree plan.
- ✦ Discuss your academic goals and assist you with choosing or changing your major, or starting a new program.

To ensure you have a solid academic plan

- ✦ Schedule and maintain regular appointments with your academic advisor.
- ✦ Consult with your academic advisor before enrolling in courses.
- ✦ Ask for assistance in a timely manner if you are unsure about university policies.

Prepare for your advising appointment:

- ✦ When scheduling an appointment, inform the local UMGC program coordinator what you would like to accomplish during your meeting.
- ✦ Think of any questions you may have for the advisor about completing your academic program or starting a new one.
- ✦ If your official evaluation is *not* complete
 - Request a Fast Plan (tentative evaluation) at europe.umgc.edu/fastplan.
 - Submit your unofficial transcripts at least three days prior to your appointment.
 - Request official copies of all outstanding military or civilian transcripts, or college-level test scores to be sent to UMGC.
- ✦ If your official evaluation is complete
 - Review your degree requirements in MyUMGC (my.umgc.edu).

The School of Arts and Sciences

Sharon L. Fross, PhD
Dean

Randall Hansen, PhD
Associate Dean

sasdean@umgc.edu

Vision

The School of Arts and Sciences is committed to empowering people to make the world a better place through educational advancement.

Mission

Our mission in the School of Arts and Sciences is to be leaders in innovative student-centered learning providing high-quality liberal arts educational experiences to a global community.

Programs of Study*

Undergraduate

BACHELOR'S DEGREE PROGRAMS

Majors

- ✦ Biotechnology
- ✦ **Communication Studies**
- ✦ **Criminal Justice**
- ✦ East Asian Studies
- ✦ **English**
- ✦ Environmental Management
- ✦ **General Studies**
- ✦ Gerontology and Aging Services
- ✦ Graphic Communication
- ✦ **History**
- ✦ **Homeland Security**
- ✦ **Humanities**
- ✦ Laboratory Management
- ✦ Legal Studies
- ✦ Nursing for Registered Nurses
- ✦ **Political Science**
- ✦ **Psychology**
- ✦ Public Safety Administration
- ✦ **Social Science**

Minors

- ✦ African American Studies
- ✦ Art
- ✦ **Art History**
- ✦ **Biology**
- ✦ **Communication Studies**
- ✦ **Criminal Justice**
- ✦ **Diversity Awareness**
- ✦ East Asian Studies
- ✦ Emergency Management
- ✦ **English**
- ✦ Environmental Management
- ✦ Fire Service Administration
- ✦ **Forensics**
- ✦ Gerontology and Aging Services
- ✦ **History**
- ✦ **Homeland Security**
- ✦ Law for Business
- ✦ Mathematical Sciences
- ✦ Natural Science
- ✦ **Philosophy**
- ✦ **Political Science**
- ✦ **Psychology**
- ✦ Public Safety Administration
- ✦ **Sociology**
- ✦ Speech Communication
- ✦ **Terrorism and Critical Infrastructure**

- ✦ **Women, Gender, and Sexuality Studies**

ASSOCIATE DEGREE PROGRAMS

- ✦ **General Studies**
- ✦ General Studies with curricula areas in:
 - **Foreign Language Area Studies**
 - **Mathematics**
 - **Military History**
 - **Psychology**
 - **Women, Gender, and Sexuality Studies**

CERTIFICATE PROGRAMS

- ✦ American Government and Political Processes
- ✦ Applied Social Sciences
- ✦ Clinical Mental Health Care
- ✦ **Foreign Language Area Studies**
- ✦ Public Safety Executive Leadership
- ✦ Spanish for Business and the Professions
- ✦ Urban Watershed Management
- ✦ **Women, Gender, and Sexuality Studies**

Graduate

MASTER'S DEGREE PROGRAMS

- ✦ Biotechnology: Bioinformatics, Biosecurity and Biodefense, Biotechnology Management, Biotechnology Regulatory Affairs
- ✦ Distance Education and E-Learning
- ✦ Environmental Management
- ✦ **Information Technology: Homeland Security Management**
- ✦ Instructional Technology
- ✦ Learning Design and Technology
- ✦ **Management: Criminal Justice Management, Emergency Management, Homeland Security Management, Intelligence Management**
- ✦ Strategic Communications
- ✦ **Teaching**

CERTIFICATE PROGRAMS

- ✦ Bioinformatics
- ✦ **Homeland Security Management**
- ✦ Instructional Technology Integration
- ✦ Learning Design and Technology
- ✦ Strategic Communications

*Programs offered through UMGC Europe in **bold**. Most other degree programs listed are open to you from virtually anywhere in the world through online study. For full descriptions of these programs, please refer to the UMGC Stateside 2022-2023 Catalog found at umgc.edu/catalogs.

The School of Business

Pam E. Carter, PhD
Dean

Anna Seferian, PhD
Associate Dean

busdean@umgc.edu

Vision

The School of Business will be the school where learners acquire innovative business skills that enable them to reach their full potential today and in the future.

Mission

Our mission in the School of Business is to be a leader in career-focused learning that enhances evidence-based decision making in diverse global environments.

Programs of Study*

Undergraduate

BACHELOR'S DEGREE PROGRAMS

Majors

- ✦ **Accounting**
- ✦ **Business Administration**
- ✦ Finance
- ✦ Health Services Management
- ✦ **Human Resource Management**
- ✦ **Management Studies**
- ✦ **Marketing**

Minors

- ✦ **Accounting**
- ✦ **Business Administration**
- ✦ **Economics**
- ✦ Finance
- ✦ Health Services Management
- ✦ **Human Resource Management**
- ✦ **Marketing**
- ✦ Personal Financial Planning
- ✦ Small Business Management and Entrepreneurship

ASSOCIATE DEGREE PROGRAM

- ✦ General Studies with curriculum area in:
 - **Accounting**
 - **Business and Management**

CERTIFICATE PROGRAMS

- ✦ **Accounting Foundations**
- ✦ Advanced Management
- ✦ Decision Support for Business
- ✦ Digital Marketing
- ✦ Health Information Management and Data Analytics
- ✦ HR People Analytics
- ✦ Human Resource Management
- ✦ Leadership and Ethics
- ✦ Management Foundations
- ✦ **Management**
- ✦ Project Management

Graduate

MASTER'S DEGREE PROGRAMS

- ✦ Accounting and Financial Management
- ✦ **Acquisition and Contract Management**
- ✦ **Business Administration**
- ✦ Cyber Accounting
- ✦ **Healthcare Administration**
- ✦ Health Information Management and Technology
- ✦ Management:
 - Accounting
 - Financial Management
 - Human Resource Management
 - Interdisciplinary Studies in Management
 - Marketing
 - Nonprofit and Association Management
 - Project Management
- ✦ Transformational Leadership

DOCTORAL DEGREE PROGRAM

- ✦ Business Administration

CERTIFICATE PROGRAMS

- ✦ Accounting Information Security
- ✦ **Acquisition and Contract Management**
- ✦ **Global Health Management**
- ✦ Leadership and Management
- ✦ Long-Term Care Administration
- ✦ Multicultural Marketing
- ✦ **Project Management**
- ✦ Strategic Human Resource Management

*Programs offered through UMGC Europe in **bold**. Most other degree programs listed are open to you from virtually anywhere in the world through online study. For full descriptions of these programs, please refer to the UMGC Stateside 2022-2023 Catalog found at umgc.edu/catalogs.

The School of Cybersecurity and Information Technology

Douglas Harrison, PhD
Dean

S. K. Bhaskar, PhD
Associate Dean

citdean@umgc.edu

Vision

The School of Cybersecurity and Information Technology will be the preferred provider of career-enhancing higher education, preparing a modern workforce in cybersecurity, information technology, and related emerging technologies. Our courses and programs will be innovative and industry-relevant for all learners at the university.

Mission

The mission of the School of Cybersecurity and Information Technology is to

- provide career-enhancing, affordable, accessible, and streamlined educational pathways in cyber-security, information technology, and related emerging technologies
- prepare students for career and industry growth in all its courses and degree programs
- use highly qualified scholar-practitioners to bring workplace needs and understanding to the classrooms, innovative learning models, and applications to its students

Programs of Study*

Undergraduate

BACHELOR'S DEGREE PROGRAMS

Majors

- ✦ Computer Science
- ✦ Cybersecurity Management and Policy
- ✦ Cybersecurity Technology
- ✦ Data Science
- ✦ Management Information Systems
- ✦ Software Development and Security
- ✦ Web and Digital Design

Minors

- ✦ Computer Science
- ✦ Cybersecurity
- ✦ Data Science
- ✦ Management Information Systems
- ✦ Web and Digital Design

ASSOCIATE DEGREE PROGRAM

- ✦ General Studies with curriculum area in:
 - **Computer Studies**

CERTIFICATE PROGRAMS

- ✦ Augmented and Virtual Reality Design
- ✦ Business Analytics
- ✦ Computer Networking
- ✦ **Computer Studies**
- ✦ Cyber Threat Hunting
- ✦ Digital Design
- ✦ Machine Learning
- ✦ Management Information Systems
- ✦ Vulnerability Assessment
- ✦ Web Design

Graduate

MASTER'S DEGREE PROGRAMS

- ✦ Cloud Computing Systems
- ✦ Cyber Operations
- ✦ Cybersecurity Management and Policy
- ✦ Cybersecurity Technology
- ✦ Data Analytics
- ✦ Digital Forensics and Cyber Investigation
- ✦ Information Technology:
 - Database Systems Technology
 - Informatics
 - Information Assurance
 - Project Management
 - Software Engineering
 - Systems Engineering
- ✦ Management:
 - Information Systems and Services

CERTIFICATE PROGRAMS

- ✦ Cloud Computing and Networking
- ✦ Cyber Operations
- ✦ Cybersecurity Management and Policy
- ✦ Cybersecurity Technology
- ✦ Digital Forensics and Cyber Investigation
- ✦ Foundations of Business Analytics
- ✦ Informatics
- ✦ Information Assurance
- ✦ Software Engineering
- ✦ Systems Engineering

*Programs offered through UMGC Europe in **bold**. Most other degree programs listed are open to you from virtually anywhere in the world through online study. For full descriptions of these programs, please refer to the UMGC Stateside 2022-2023 Catalog found at umgc.edu/catalogs.

Undergraduate Certificate Programs

UMGC Europe offers programs of study leading to University of Maryland Global Campus lower-level certificates in specific academic areas including accounting foundations, computer studies, foreign language area studies (Arabic and the Middle East, German, Italian, and Spanish), management, and women, gender, and sexuality studies. All requirements involve lower-level courses, although appropriate upper-level courses may be substituted.

These certificate programs are not terminal programs if you wish to continue working toward your associate or bachelor's degree. You may pursue a degree and certificate(s) simultaneously or pursue a degree after completing the certificate(s), but the application for any certificate(s) completed while in progress toward the associate or bachelor's degree must be submitted before award of the degree. If you apply for your certificate after your degree has been awarded, additional coursework will be required to complete the certificate. You are responsible for notifying UMGC of your intention to complete certificate work before you complete your last course. (The application for the credential is available at my.umgc.edu.) Contact your academic advisor for more information.

Expectations

Within each academic certificate program, UMGC seeks to help you gain specific skills needed to advance in your career. Most certificates are fully stackable, that is, they are part of a more advanced degree program, such as one leading to an associate or bachelor's degree. However, each certificate may also be used as a stand-alone credential.



Requirements

Continuous Enrollment

In general, the UMGC degree requirements that apply to you are those that were in effect when you completed the first credit-bearing course in a given program at UMGC. If you cease to be continuously enrolled, the program requirements that apply to you are those in effect at UMGC when you return to UMGC and enroll in a credit-bearing course for the program you wish to pursue at that time.

To be considered continuously enrolled, you must have had no more than two sequential years of nonenrollment. After two years of nonenrollment, you must apply for admission to resume enrollment.

If you change your degree program while continuously enrolled, then the program requirements that apply to you are those in effect at the time you enroll in the first required course for the new program. Previously completed coursework may not apply to the new requirements.

Information about the catalog year that applies to you is provided in the MyUMGC student portal.

The individual certificate coursework requirements specified in the following section are applicable to students enrolling on or after 1 August 2022.

Overall Requirements

- ✦ You must be admitted as a UMGC student.
- ✦ You may pursue a degree and certificate simultaneously or pursue a degree after completing the certificate.
- ✦ For undergraduate certificates, no more than half of the total credits for any certificate may be earned through credit by examination, prior-learning portfolio credit, internship/Workplace Learning credit, or transfer credit from other schools, under current policies for such credit. Additional limitations may apply to specific programs; see description of individual certificate programs for details.
- ✦ You must satisfy all required prerequisites for certificate courses. Some prerequisites may need to be fulfilled before you begin certificate coursework.
- ✦ For undergraduate certificate programs, you must complete all required coursework with a minimum grade of C (2.0) in all courses.
- ✦ Certificate courses may not be taken pass/fail.
- ✦ You may pursue up to four certificates at a time.
- ✦ Undergraduate students may only complete certificates at the undergraduate level.

More information about certificates is available online at europe.umgc.edu/certificates.

Second Certificate

If you have earned a certificate from UMGC and want to pursue an additional certificate at UMGC, you must complete at least 12 credits of new coursework to be eligible. No substitutions to the program are available. If the coursework required for one certificate program significantly overlaps with coursework for another certificate program, it may not be possible for you to earn both certificates. In such cases, you will need to choose an alternate program if you wish to complete another credential at UMGC. Before beginning work toward or registering for a second certificate program, consult an academic advisor. Advisors will be glad to explain the requirements and restricted combinations.

UMGC Europe Programs

The following undergraduate certificates are available through UMGC Europe:

- ✦ Accounting Foundations Certificate
- ✦ Computer Studies Certificate
- ✦ Foreign Language Area Studies Certificate
 - Arabic and the Middle East
 - German
 - Italian
 - Spanish
- ✦ Certificate in Management
- ✦ Women, Gender, and Sexuality Studies Certificate

Accounting Foundations Certificate

(18 credits, at least 9 of which you must complete with UMGC)

Accounting Core Courses (6 credits)

ACCT 220	Principles of Accounting I (3)
ACCT 221	Principles of Accounting II (3)

Accounting-Related Courses (12 credits)

Choose from the following courses:

- Any ACCT courses
- BMGT 110 Introduction to Business and Management (3)
- CMIS 102 Introduction to Problem Solving and Algorithm Design (3)
- DATA 200 Data Literacy Foundation (3)
- ECON 201 Principles of Macroeconomics (3)
- ECON 203 Principles of Microeconomics (3)
- Any FINC courses
- IFSM 201 Concepts and Applications of Information Technology (3)
- STAT 200 Introduction to Statistics (3)
- WRTG 112 Academic Writing (3)

Computer Studies Certificate

(18 credits, at least 9 of which you must complete with UMGC)

Computer Studies Core Courses (3 credits)

IFSM 201 Concepts and Applications of Information Technology (3)

Discipline-Specific Course Sequence (9 credits)

Choose one 9-credit sequence from the following:

Programming Focus:

CMIS 102 Introduction to Problem Solving and Algorithm Design (3)
CMIS 141 Introductory Programming (3)
CMIS 242 Intermediate Programming (3)

A+Net+ Focus:

CMIT 202 Fundamentals of Computer Troubleshooting (3)
CMIT 265 Fundamentals of Networking (3)
CMIT 291 Introduction to Linux (3)
or CMIT 320 Network Security (3)

Digital Media/Interactive Design Focus:

CMST 290 Introduction to Interactive Design (3)
CMST 295 Fundamentals of Digital Media (3)
CMST 308 User Experience and Interface Design (3)
or DATA 200 Data Literacy Foundations (3)
or any lower-level computing course
or three 1-credit computing courses

Computer Studies-Related Courses (6 credits)

Chosen from any CMIS, CMIT, CMSC, CMST, CSIA, DATA, IFSM, or SDEV courses.

Foreign Language Area Studies Certificate

(18 credits, at least 9 of which you must complete with UMGC). You may choose coursework from one of the following areas — all courses must be from same area:

Arabic and the Middle East

Core Courses (12 credits)

ARAB 111 Elementary Arabic I (3)
ARAB 112 Elementary Arabic II (3)
ARAB 114 Elementary Arabic III (3)
ARAB 115 Elementary Arabic IV (3)

Related Area Studies Courses (6 credits)

Choose from related courses in Arabic and Middle Eastern culture, history, language, literature, or government and politics. Some examples follow:

- Any ARAB course(s)
- BMGT 392 Global Business (3)
- HIST 392 History of the Contemporary Middle East (3)

(Contact your academic advisor for additional approved courses)

German

Core Courses (12 credits)

GERM 111 Elementary German I (3)
GERM 112 Elementary German II (3)
GERM 211 Intermediate German I (3)
or German Area Studies course
GERM 212 Intermediate German II (3)
or German Area Studies course

Related Area Studies Courses (6 credits)

Choose from related courses in German culture, history, language, literature, or government and politics. Some examples follow:

- Any GERM course(s)
- GERM 333 German Society and Culture (3)
- HIST 141 Western Civilization I (3)
- HIST 142 Western Civilization II (3)
- HIST 317A Berlin: Its History and Art (3)
- HIST 317J Heidelberg Through the Ages (3)
- HIST 337 Europe and the World (3)

(Contact your academic advisor for additional approved courses)



Italian

Core Courses (12 credits)

ITAL 111	Elementary Italian I (3)
ITAL 112	Elementary Italian II (3)
ITAL 211	Intermediate Italian I (3) <i>or Italian Area Studies course</i>
ITAL 212	Intermediate Italian II (3) <i>or Italian Area Studies course</i>

Related Area Studies Courses (6 credits)

Choose from related courses in Italian culture, history, language, literature, or government and politics. Some examples follow:

- Any ITAL course(s)
- ITAL 333 Italian Life and Culture I (3)
- HIST 141 Western Civilization (3)
- HIST 142 Western Civilization II (3)
- HIST 317F History and Culture of Naples (3)
- HIST 317K History of Venice (3)
- HIST 337 Europe and the World (3)

(Contact your academic advisor for additional approved courses)

Spanish

Core Courses (12 credits)

SPAN 111	Elementary Spanish I (3)
SPAN 112	Elementary Spanish II (3)
SPAN 211	Intermediate Spanish I (3) <i>or Spanish Area Studies course</i>
SPAN 212	Intermediate Spanish II (3) <i>or Spanish Area Studies course</i>

Related Area Studies Courses (6 credits)

Choose from related courses in Spanish culture, history, language, literature, or government and politics. Some examples follow:

- Any SPAN course(s)
- SPAN 333 Spanish Life and Culture I (3)
- ENGL 389Q Hemingway in Madrid (3)
- HIST 141 Western Civilization (3)
- HIST 142 Western Civilization II (3)
- HIST 337 Europe and the World (3)

(Contact your academic advisor for additional approved courses)

Certificate in Management

(18 credits, at least 9 of which you must complete with UMGC)

Core Courses (6 credits)

BMGT 160	Principles of Management (3)
BMGT 110	Introduction to Business Management (3)

Management-Related Courses (12 credits)

Choose from the following courses:

- ACCT 220 Principles of Accounting I (3)
- ACCT 221 Principles of Accounting II (3)
- ECON 201 Principles of Macroeconomics (3)
- ECON 203 Principles of Microeconomics (3)
- IFSM 201 Concepts and Applications of Information Technology (3)
- STAT 200 Introduction to Statistics (3)

Women, Gender, and Sexuality Studies Certificate

(18 credits, at least 9 of which you must complete with UMGC)

Core Course (3 credits)

WMST 200	Introduction to Women's Studies: Women and Society (3)
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Related Area Studies Courses (15 credits)

Choose from the following courses:

- BEHS 220 Diversity Awareness (3)
- BEHS 350 Social Justice Movements (3)
- BEHS 343 Parenting Today (3)
- BEHS 453 Domestic Violence (3)
- ENGL 250 Introduction to Women's Literature (3)
- GERO 311 Gender and Aging (3)
- HIST 377 U.S. Women's History: 1870 to 2000 (3)
- PSYC 332 Psychology of Human Sexuality (3)
- PSYC 338 Psychology of Gender (3)
- SOCY 325 The Sociology of Gender (3)
- SOCY 443 Sociology of the Family (3)
- SOCY 462 Women in the Military (3)
- SPCH 324 Communication and Gender (3)

Associate Degree Program

UMGC Europe offers programs of study leading to a UMGCEurope associate degree. All requirements noted for the Associate of Arts degree (AA) degree involve lower-level courses, although appropriate upper-level courses may be substituted. You should consult with a UMGCEurope academic advisor at your local education center about programs offered in your community and to chart your degree plan to ensure you meet the necessary requirements.

Curriculum Choices

The **general curriculum** is described on pp. 63-64 and the **specialized curricula** are described on pp. 64-73.

Expectations

Within the associate degree, a UMGCEurope degree incorporates core competencies that build toward and support both the associate and bachelor's degrees. The following essential core competencies are emphasized across all programs:

- ✦ Effective writing and oral communication
- ✦ The use of information technology
- ✦ Information literacy
- ✦ Mathematical and quantitative reasoning
- ✦ Critical analysis, critical reasoning, and problem solving
- ✦ Understanding of key concepts and principles of the natural, social, and behavioral sciences

UMGC Europe conducts learning outcomes assessments to measure and improve your learning in these general education areas.

Requirements

Continuous Enrollment

In general, the UMGCEurope degree requirements that apply to you are those that were in effect when you completed the first credit-bearing course in a given program at UMGCEurope. If you cease to be continuously enrolled, the program requirements that apply to you are those in effect at UMGCEurope when you return to UMGCEurope and enroll in a credit-bearing course for the program you wish to pursue at that time.

To be considered continuously enrolled, you must have had no more than two sequential years of nonenrollment. After two years of nonenrollment, you must apply for admission to resume enrollment.



If you change your degree program while continuously enrolled, then the program requirements that apply to you are those in effect at the time you enroll in the first required course for that program. Previously completed coursework may not apply to the new requirements.

Information about the catalog year that applies to you is provided in the MyUMGC student portal.

The following requirements for the Associate of Arts (AA) are applicable to students who begin continuous enrollment on or after 1 August 2022.

Overall Requirements

The Associate of Arts degree requires the completion of a minimum of 60 credits, at least 15 of which (normally the final 15) must be taken through UMGCEurope. Of these 60 credits, 35 credits must be earned in courses that fulfill the general education requirements listed on the following page. The remaining 25 credits must satisfy the requirements of the curriculum area you select.

In addition to the general education requirements and elective requirements, the overall requirements listed below pertain to all associate degrees.

1. You must be admitted as an undergraduate UMGCEurope student.
2. You must complete a minimum of 60 credits.
3. You must complete all general education requirements listed on the following page, including PACE 111 Professional and Career Exploration as your first course at UMGCEurope, when possible. If you have 45 or more credits, you may be eligible to take PACE 100 Professional and Career Exploration for Transfer Students, which provides a condensed orientation to UMGCEurope.
4. You must maintain a minimum grade point average of 2.0 (C) overall in all courses taken through UMGCEurope. See p. 33 for information on maintaining satisfactory academic standing.

General Education Requirements (35 credits)

Specific recommendations for fulfilling the general education requirements in each category are provided in the degree plan for each curriculum area.

Note: Any course that may be applied toward a general education requirement is considered a general education elective. Credit applied to general education requirements may not be applied toward major, minor, or elective requirements. Courses applied to general education requirements may not be taken pass/fail.

	Credits
A. Communications	6
<ul style="list-style-type: none"> WRTG 111 or another writing course (3 credits) All 3-credit WRTG courses (except WRTG 288, WRTG 388, WRTG 486A or WRTG 486B); COMM 390 and COMM 492; ENGL 102; and JOUR 201 apply. WRTG 112 (3 credits) Must be completed with a grade of C– or better within first 24 credits. May not be earned through Prior Learning (Portfolio or Course Challenge) assessment. Note: No more than 3 credits of writing may be earned by examination. 	
B. Mathematics	3
<ul style="list-style-type: none"> MATH 105, MATH 107, MATH 115, MATH 140, STAT 200, or a mathematics course approved by the department. Must be completed within the first 24 credits. Prerequisites must be fulfilled before taking MATH 108, MATH 140, or any higher-numbered MATH or STAT courses. Note: Check individual curricula for recommended math courses. 	
C. Arts and Humanities	6
<ul style="list-style-type: none"> Two 3-credit courses chosen from the following disciplines: ARTH, ARTT, ASTD (depending on course content), ENGL (except ENGL 281 and ENGL 384), GRCO, HIST, HUMN, MUSC, PHIL, THET, dance, literature, or foreign language. 	
D. Behavioral and Social Sciences	6
<ul style="list-style-type: none"> Two 3-credit courses chosen from the following disciplines: AASP (AASP 201 only), ANTH, ASTD (depending on course content), BEHS, CCJS (CCJS 100, CCJS 105, CCJS 350, CCJS 360, and CCJS 461 only), ECON, GEOG, GERO (except GERO 342 and GERO 351), GVPT, PSYC, SOCY, or WMST (WMST 200 only). 	

E. Biological and Physical Sciences 7

- A science lecture course (3 credits) with related laboratory course (1 credit) or a science course combining lecture and laboratory (4 credits).
- Any other science course (3 credits).

Note: Courses from the following disciplines may satisfy both requirements: ASTR, BIOL, CHEM, GEOL, NSCI, NUTR, or PHYS. Science courses in other disciplines may also apply.

F. Research and Computing Literacy 7

- Professional exploration course** (3 credits)
PACE 111B, PACE 111C, PACE 111M, PACE111P, PACE 111S, and PACE 111T apply. To be taken as first course, when possible.
- Research skills and professional development course** (1 credit)
LIBS 150, CAPL 398A, and any general education course apply.
- Computing or information technology course** (3 credits)
One 3-credit or three 1-credit courses selected from IFSM 201, DATA 200, or courses designated CMIS, CMIT, CMSC, CMST, CSIA, IFSM, and SDEV apply.

Total General Education Requirements 35

Curriculum Requirements (25 credits)

In addition to the general education requirements, you must take 25 credits of coursework related to your educational goals. You may choose a general curriculum (described on the next page) or a specialized curriculum area with its own particular requirements (detailed on the following pages).

You must earn a grade of C or better for a course to be applicable toward a major or minor in a bachelor's degree program. If you anticipate seeking a bachelor's degree, you should select courses that will advance that goal.

AA in General Studies Overview

	Credits
General Education Courses	35
Curriculum Area Courses	25
Total	60

Second Associate Degree

If you have already received an associate degree from an approved institution other than UMGC, you can broaden your education by earning a second associate degree. The following conditions apply:

- ✦ You must have received the first associate degree to be eligible to begin the second.
- ✦ For a second associate degree you must complete at least 15 credits of new coursework with UMGC. The combined credit must add up to at least 75 credits.
- ✦ The 15 new credits must be uniquely applicable to the second AA curriculum.
- ✦ Before beginning work toward a second associate degree, you must request an academic advisement report (discussed on p. 51).
- ✦ You must complete all requirements for the curriculum. All course prerequisites apply.
- ✦ As with other degrees, continuous enrollment at UMGC is required.
- ✦ A minimum grade point average of 2.0 in all courses taken through UMGC is required for graduation.
- ✦ Consult an academic advisor for more information on earning a second associate degree.

Before beginning work or considering nontraditional options toward a second degree, consult an academic advisor. Advisors will be glad to explain the requirements for a second associate degree and clarify its limitations.

Earning an Associate Degree After Earning a Bachelor's Degree

It is possible for you to earn an associate degree concurrently with your bachelor's degree if all degree requirements have been met for both degrees and you apply for both degrees. However, once the bachelor's degree is conferred, you will be held to second degree rules for associate degrees, which stipulate that you must earn 15 new credits with UMGC.

Curricula

What You'll Learn

Through your coursework, you will learn how to

- ✦ Communicate orally and in writing in a clear, well-organized manner
- ✦ Conduct academic research
- ✦ Think critically

Associate of Arts General Curriculum

The Associate of Arts general curriculum is for adult students who wish to pursue their own educational goals.

General Curriculum

Degree Requirements

AA in General Studies with General Curriculum	
	Credits
Curriculum Courses	25
General Education Courses	35
Total	60

In the general curriculum, you may choose related courses from several disciplines, explore several interests at once, or choose a variety of courses from UMGC's offerings. The responsibility for developing a curriculum that meets your intended learning outcomes is yours. You are encouraged to seek assistance from academic advisors in arranging your curriculum as appropriate to your personal interests and future educational plans. If you are interested in pursuing a general studies major, you should strive to include 6 credits of coursework in one discipline area (e.g. HRMN) and 6 credits from a second discipline area (e.g. PSYC) in your plan.

Courses in the General Curriculum (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

Courses from any discipline for which prerequisites have been met (21 credits)

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA IN GENERAL STUDIES WITH GENERAL CURRICULUM

Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) or other PACE 111 (3)	General education/computing and research or other general education research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
Curriculum Course (3)	Curriculum Course
SPCH 100 Foundations of Oral Communication (3)	Curriculum Course/ or other communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
Curriculum Course (3)	Curriculum Course
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
Curriculum Course (3)	Curriculum Course
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
Curriculum Course (3)	Curriculum Course
Curriculum Course (3)	Curriculum Course
Curriculum Course (3)	Curriculum Course
Curriculum Course (3)	Curriculum Course
Elective (1)	Elective

Associate of Arts Specialized Curricula Areas

The Associate of Arts specialized curricula areas are for students who wish to pursue a specific career or educational goal, often as a basis for further study toward the bachelor's degree. Within the overall outcomes in the AA in General Studies, the specialized curriculum areas help you demonstrate competencies in fundamental skills and practices to transition toward a bachelor's degree in a related field.

Specialized curricula areas are recommended but optional within the AA in General Studies. You should take careful note of course prerequisites and recommended course sequences. Curricula areas may be available only in limited geographic areas.

The specialized curricula areas include

- ✦ accounting and finance
- ✦ business and management
- ✦ computer studies
- ✦ foreign language area studies
- ✦ mathematics
- ✦ military history
- ✦ psychology
- ✦ women, gender, and sexuality studies



Accounting and Finance Curriculum Area

Degree Requirements

AA in General Studies with Accounting and Finance Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in accounting and finance will help you demonstrate competencies in fundamental accounting and financial practices to transition toward a bachelor's degree in accounting, finance, and related fields.

Courses in the Accounting and Finance Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

Accounting- and finance-related courses (21 credits)
Chosen from any ACCT or FINC courses for which you have met prerequisites

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum and related requirements are listed in **bold**.

AA WITH ACCOUNTING AND FINANCE CURRICULUM AREA

Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111B (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
ACCT 220 Principles of Accounting I (3) <i>(requirement for accounting major)</i>	Or other curriculum area course
WRTG 112 Academic Writing II (3)	General education/communications
STAT 200 Introduction to Statistics (3) <i>(related requirement for accounting major)</i>	Or other general education/mathematics
SPCH 100 Foundations of Oral Communications (3)	Curriculum area/or other communications
ACCT 221 Principles of Accounting II (3) <i>(requirement for accounting major)</i>	Or other curriculum area course
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
ECON 201 Principles of Macroeconomics (3) <i>(related requirement for accounting major)</i>	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
ECON 203 Principles of Microeconomics (3) <i>(related requirement for accounting major)</i>	Or other general education/behavioral and social sciences
ACCT 310 Intermediate Accounting I (3) <i>(requirement for accounting major)</i>	Or other curriculum area course
ACCT 311 Intermediate Accounting II (3) <i>(requirement for accounting major)</i>	Or other curriculum area course
FINC 330 Business Finance (3) <i>(related requirement for accounting major)</i>	Or other curriculum area course
BMGT 380 Business Law I (3) <i>(related requirement for accounting major)</i>	Or other curriculum area course
ACCT 321 Cost Accounting (3) <i>(related requirement for accounting major)</i>	Or other curriculum area course
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Business and Management Curriculum Area

Degree Requirements

AA in General Studies with Business and Management Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in business and management will help students utilize core business concepts and principles to pursue related professional goals.

Courses in the Business and Management Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

Business- and management-related courses (21 credits)
Chosen from any ACCT, BMGT, ECON, FINC, HMG, HRMN, IFSM, or MRKT courses for which you have met prerequisites

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA WITH BUSINESS AND MANAGEMENT CURRICULUM AREA	
Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111B (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
WRTG 112 Academic Writing II (3)	General education/communications
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
BMGT 110 Principles of Accounting I (3) <i>(requirement for business administration major)</i>	Or other curriculum area course
SPCH 100 Foundations of Oral Communication (3)	Curriculum area/or other communications
STAT 200 Introduction to Statistics (3) <i>(related requirement for business administration major)</i>	Or other general education/mathematics
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/computing and research
ACCT 220 Principles of Accounting I (3) <i>(requirement for business administration major)</i>	Or other curriculum area course
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
ECON 201 Principles of Macroeconomics (3) <i>(related requirement for business administration major)</i>	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
ECON 203 Principles of Microeconomics (3) <i>(related requirement for business administration major)</i>	Or other general education/behavioral and social sciences
ACCT 221 Principles of Accounting II (3) <i>(requirement for business administration major)</i>	Or other curriculum area course
BMGT 364 Management and Organization Theory (3) <i>(requirement for business administration major)</i>	Or other curriculum area course
MRKT 310 Marketing Principles (3) <i>(requirement for business administration major)</i>	Or other curriculum area course
HRMN 300 Human Resource Management (3) <i>(requirement for business administration major)</i>	Or other curriculum area course
FINC 330 Business Finance (3) <i>(requirement for business administration major)</i>	Or other curriculum area course
Elective (1)	Elective
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Computer Studies Curriculum Area

Degree Requirements

AA in General Studies with Computer Studies Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in computer studies will help you apply a selected range of fundamental computer-based skills to advance your professional and career goals.

Courses in the Computer Studies Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

Computer studies-related courses (21 credits)
Chosen from any CMIS, CMIT, CMSC, CMST, DATA, IFSM, or SDEV courses for which you have met prerequisites

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA WITH COMPUTER STUDIES CURRICULUM

Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111T (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	General education/research and computing literacy
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
CMIS 102 Introduction to Problem Solving and Algorithm Design (3) <i>(related requirement for computer science major)</i>	Or other curriculum area course
SPCH 100 Foundations of Oral Communication (3)	Curriculum area/or other communications
MATH 115 Pre-Calculus (3) <i>(prerequisite to computer science major courses)</i>	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
CMIS 141 Introductory Programming (3) <i>(requirement for computer science major)</i>	Or other curriculum area course
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
CMIS 242 Intermediate Programming (3) <i>(requirement for computer science major)</i>	Or other curriculum area course
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
CMIS 320 Relational Database Concepts and Applications (3) <i>(related requirement for computer science major)</i>	Or other curriculum area course
SDEV 300 Building Secure Python Applications (3) <i>(requirement for computer science major)</i>	Or other curriculum area course
Elective (3)	Curriculum area/related-course
Elective (3)	Curriculum area/related-course
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Foreign Language Area Studies Curriculum Area

Degree Requirements

AA in General Studies with Foreign Language Area Studies Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in foreign language area studies will help you develop intermediate foreign language skills and related cultural knowledge in a variety of personal and professional settings.

If you have previous experience in the foreign language you wish to study, contact your academic advisor or languages@umgc.edu about a placement test.

Courses in the Foreign Language Area Studies Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

Language core courses (12 credits)—Sequential courses in a single language, usually numbered 111–112 and 114–115 (or 211–212)

Related area studies courses (9 credits)—Any courses in the culture, history, language, literature, or government and politics of the area (see specific courses for each language area)

Arabic

Core Courses (12 credits)

ARAB 111	Elementary Arabic I (3)
ARAB 112	Elementary Arabic II (3)
ARAB 114	Elementary Arabic III (3)
ARAB 115	Elementary Arabic IV (3)

Related Area Studies Courses (9 credits)

Choose from:

- ARAB 333 Middle Eastern Cultures
- HIST 392 History of the Contemporary Middle East (3)
- Any ARAB course and any approved courses in Arabic and Middle Eastern culture, history, language, literature, or government and politics (Contact your academic advisor for additional approved courses)

German

Core Courses (12 credits)

GERM 111	Elementary German I (3)
GERM 112	Elementary German II (3)
GERM 211	Intermediate German I (3)
GERM 212	Intermediate German II (3)

Related Area Studies Courses (9 credits)

Choose from:

- GERM 311 Advanced German I (3)
- GERM 312 Advanced German II (3)
- GERM 314 Modern Germany (3)
- GERM 333 German Society and Culture (3)
- HIST 141 Western Civilization I (3)
- HIST 142 Western Civilization II (3)
- HIST 317A Berlin: Its History and Art (3)
- HIST 317J Heidelberg through the Ages (3)
- Any approved courses in German culture, history, language, literature, or government and politics (Contact your academic advisor for additional approved courses)

ASSOCIATE DEGREE PROGRAM CURRICULA

Italian

Core Courses (12 credits)

ITAL 111	Elementary Italian I (3)
ITAL 112	Elementary Italian II (3)
ITAL 211	Intermediate Italian I (3)
ITAL 212	Intermediate Italian II (3)

Related Area Studies Courses (9 credits)

Choose from:

- ARTH 489G Renaissance Art in Florence (3)
- HIST 141 Western Civilization I (3)
- HIST 142 Western Civilization II (3)
- HIST 317F History and Culture of Naples (3)
- HIST 317K History of Venice (3)
- HIST 321 Ancient Greece and Rome (3)
- HIST 337 Europe and the World (3)
- Any approved courses in Italian culture, history, language, literature, or government and politics (Contact your academic advisor for additional approved courses)

Spanish

Core Courses (12 credits)

SPAN 111	Elementary Spanish I (3)
SPAN 112	Elementary Spanish II (3)
SPAN 211	Intermediate Spanish I (3)
SPAN 212	Intermediate Spanish II (3)

Related Area Studies Courses (9 credits)

Choose from:

- ENGL 389Q Hemingway in Madrid (3)
- HIST 141 Western Civilization I (3)
- HIST 142 Western Civilization II (3)
- HIST 337 Europe and the World (3)
- Any approved courses in Spanish culture, history, language, literature, or government and politics (Contact your academic advisor for additional approved courses)

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA WITH FOREIGN LANGUAGE AREA STUDIES CURRICULUM AREA

Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111 (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/research and computing literacy
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
Language 111 core course (3)	Curriculum area course
SPCH 100 Foundations of Oral Communication (3)	Curriculum area/or other communications
Language 112 core course (3)	Curriculum area course
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
Language 114 or 211 core course (3)	Curriculum area course
Related area studies course (3)	Curriculum area course
Language 115 or 212 core course (3)	Curriculum area course
Related area studies course (3)	Curriculum area course
Related area studies course (3)	Curriculum area course
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Mathematics Curriculum Area

Degree Requirements

AA in General Studies with Mathematics Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in mathematics will help you employ appropriate mathematical methods and technologies to accomplish quantitative tasks in your professional and educational contexts.

Courses in the Mathematics Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

Mathematics-related courses (18-19 credits), including the following:

MATH 140	Calculus I (4)
MATH 141	Calculus II (4)
MATH 241	Calculus III (4)
MATH 246	Differential Equations (3) or MATH 340 Linear Algebra
STAT 200	Introduction to Statistics (3)

Mathematics-related course (2-3 credits), chosen from the following:

- Any ACCT or FINC course
- CHEM 103 General Chemistry I (4)
- CHEM 113 General Chemistry II (4)
- CMIS 102 Introduction to Problem Solving and Algorithm Design (3)
- CMSC 150 Introduction to Discrete Structures (3)
- CMIS 242 Intermediate Programming (3)
- ECON 201 Principles of Macroeconomics (3)
- ECON 203 Principles of Microeconomics (3)
- ECON 430 Money and Banking (3)
- ECON 440 International Economics (3)
- Any MATH course numbered 108 or higher (3-4)
- Any math-based physics course (3)

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education,

curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA WITH MATHEMATICS CURRICULUM AREA	
Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111C (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/research and computing literacy
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
MATH 115 Pre-Calculus (3)	Prerequisite to curriculum area courses and general education/mathematics
SPCH 100 Foundations of Oral Communication (3)	Curriculum area/or other communications
MATH 140 Calculus I (4)	Curriculum area course
WRTG 112 Academic Writing II (3)	General education/communications
STAT 200 Introduction to Statistics (3)	Curriculum area course
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
MATH 141 Calculus II (4)	Curriculum area course
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
MATH 241 Calculus III (4)	Curriculum area course
MATH 301 Concepts of Real Analysis I (3)	Or other curriculum area course
MATH 246 Differential Equations (3) or MATH 340	Curriculum area course
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Military History Curriculum Area

Degree Requirements

AA in General Studies with Military History Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in military history will help you develop knowledge of military conflicts and their political, economic, and social contexts.

Courses in the Military History Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

Military history-related courses (15 credits), including the following:

HIST 202	Principles of War (3)
HIST 381	America in Vietnam (3)
HIST 462	The U.S. Civil War (3)
HIST 464	World War I (3)
HIST 465	World War II (3)

Elective courses (6 credits)—Courses that may be applicable to the BA in History are recommended.

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA IN MILITARY HISTORY CURRICULUM AREA

Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111C (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/research and computing literacy
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
HIST 202 Principles of War (3)	Curriculum area course
SPCH 100 Foundations of Oral Communication (3)	Curriculum area/or other communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
HIST 156 History of the United States to 1865 (3) (<i>requirement for history major</i>)	Or other general education/arts and humanities
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 381 America in Vietnam (3) (<i>course for history major</i>)	Curriculum area course
HIST 462 The U.S. Civil War (3) (<i>course for history major</i>)	Curriculum area course
SOCY 100 Introduction to Sociology (3)	Or other general education/behavioral and social sciences
HIST 464 World War I (3) (<i>course for history major</i>)	Curriculum area course
HIST 465 World War II (3) (<i>course for history major</i>)	Curriculum area course
Elective (3)	Curriculum area/elective
Elective (3)	Curriculum area/elective
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Psychology Curriculum Area

Degree Requirements

AA in General Studies with Psychology Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in psychology will help you develop knowledge of human behavior.

Courses in the Psychology Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

PSYC 100 Introduction to Psychology (3)

Psychology-related courses (12 credits)—
Chosen from the following:

- PSYC 321 Social Psychology (3)
or another PSYC course
- PSYC 335 Theories of Personality (3)
or another PSYC course
- PSYC 351 Lifespan Development (3)
or another PSYC course
- PSYC 353 Abnormal Psychology (3)
or another PSYC course

Elective courses (6 credits)—Courses that may be applicable to the BS in Psychology are recommended.

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA WITH PSYCHOLOGY CURRICULUM AREA

Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111S (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/research and computing literacy
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3) <i>(requirement for psychology major)</i>	Curriculum area course
SPCH 100 Foundations of Oral Communication (3)	Curriculum area/or other communications
STAT 200 Introduction to Statistics (3) <i>(related requirement for psychology major)</i>	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
PSYC 321 Social Psychology (3) <i>(requirement for psychology major)</i>	Or other curriculum area course
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
BEHS 103 Technology in Contemporary Society (3)	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
SOCY 100 Introduction to Sociology (3)	Or other general education/behavioral and social sciences
PSYC 335 Theories of Personality (3) <i>(requirement for psychology major)</i>	Or other curriculum area course
PSYC 351 Lifespan Development (3) <i>(course for psychology major)</i>	Or other curriculum area course
PSYC 353 Abnormal Psychology (3) <i>(requirement for psychology major)</i>	Or other curriculum area course
Elective (3)	Curriculum area/elective
Elective (3)	Curriculum area/elective
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Women, Gender, and Sexuality Studies Curriculum Area

Degree Requirements

AA in General Studies with Women, Gender, and Sexuality Studies Curriculum Area	
	Credits
Curriculum Area Courses	25
General Education Courses	35
Total	60

Within the overall outcomes of the AA in General Studies (listed on p. 63), the specialized curriculum area in women, gender, and sexuality studies will help you develop knowledge of the history, status, and experience of women in your professional, personal, and educational contexts.

Courses in the Women, Gender, and Sexuality Studies Curriculum Area (25 credits)

A course in communication, writing, or speech (3 credits) ENGL 102; ENGL 281; JOUR 201; and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply.

CAPL 198A, CAPL 198B, CAPL 198C, BMGT 121A, BMGT 121B, or any 1-credit course (1 credit)

WMST 200 Introduction to Women's Studies: Women and Society (3)

Women, gender, and sexuality studies-related courses (15 credits), chosen from the following:

- BEHS 220 Diversity Awareness (3)
- BEHS 250 Social Justice Movements (3)
- BEHS 343 Parenting Today (3)
- BEHS 453 Domestic Violence (3)
- ENGL 250 Introduction to Women's Literature (3)
- GERO 311 Gender and Aging (3)
- PSYC 332 Psychology of Human Sexuality (3)
- PSYC 338 Psychology of Gender (3)
- SOCY 325 The Sociology of Gender (3)
- SOCY 443 Sociology of the Family (3)
- SOCY 462 Women in the Military (3)
- SPCH 324 Communication and Gender (3)

Elective courses (3 credits)

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, curriculum area, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 61–62 for information on general education and overall requirements for completing an associate degree. Contact an academic advisor with all questions about your official plan.

Curriculum area and related requirements are listed in **bold**.

AA WITH WOMEN, GENDER, AND SEXUALITY STUDIES CURRICULUM AREA

Recommended and Required Courses	Requirement(s)
PACE 111M Program and Career Exploration in Multidisciplinary Studies or PACE 111S (3)	General education/research and computing literacy
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/research and computing literacy
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
WMST 200 Introduction to Women's Studies: Women and Society (3) <i>(course for women, gender, and sexuality studies minor)</i>	Curriculum area course
SPCH 100 Foundations of Oral Communication (3)	Curriculum area/or other communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
BEHS 220 Diversity Awareness (3) <i>(course for women, gender, and sexuality studies minor)</i>	Or other curriculum area course
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 156 History of the United States to 1865 (3)	Or other general education/arts and humanities
GERO 311 Gender and Aging (3) <i>(course for women, gender, and sexuality studies minor)</i>	Or other curriculum area course
SOCY 100 Introduction to Sociology (3)	Or other general education/behavioral and social sciences
PSYC 338 Psychology of Gender (3) <i>(course for women, gender, and sexuality studies minor)</i>	Or other curriculum area course
SOCY 325 The Sociology of Gender (3) <i>(course for women, gender, and sexuality studies minor)</i>	Or other curriculum area course
SPCH 324 Communication and Gender (3) <i>(course for women, gender, and sexuality studies minor)</i>	Or other curriculum area course
Elective (3)	Curriculum area/elective
CAPL 398A Career Planning Management (1)	Curriculum area/elective

Bachelor's Degree Programs

UMGC Europe Programs

At the undergraduate level, UMGCEurope offers the Bachelor of Arts (BA) and the Bachelor of Science (BS) degree. Dual majors are available for the Bachelor of Science degree.

	major	minor
Accounting	✓	✓
Art history		✓
Biology		✓
Business administration	✓	✓
Communication studies	✓	✓
Computer science	✓	✓
Criminal justice	✓	✓
Cybersecurity		✓
Cybersecurity management and policy	✓	
Cybersecurity technology	✓	
Data science	✓	✓
Diversity awareness		✓
Economics		✓
English	✓	✓
Forensics		✓
General studies	✓	
History	✓	✓
Homeland security	✓	✓
Humanities	✓	
Human resource management	✓	✓
Management information systems	✓	✓
Management studies	✓	
Marketing	✓	✓
Philosophy		✓
Political science	✓	✓
Psychology	✓	✓
Social science	✓	
Social work*	✓	
Sociology		✓
Terrorism and critical infrastructure		✓
Web and digital design	✓	✓
Women, gender, and sexuality studies		✓



Expectations

Within each academic major, a UMGCEurope degree incorporates program-specific and core competencies. The following essential core competencies are emphasized across all programs:

- ✦ Effective writing and oral communication
- ✦ The use of information technology
- ✦ Information literacy
- ✦ Mathematical and quantitative reasoning
- ✦ Critical analysis, critical reasoning, and problem solving
- ✦ Understanding of key concepts and principles of natural, social, and behavioral sciences

UMGC conducts learning outcomes assessments to measure and improve your learning in these areas as well as in specific disciplinary knowledge and skills.

Your academic major (and minor, if you choose one) allows you to master a considerable body of knowledge in a specific academic subject area or group of related subjects. Each major provides clearly articulated learning outcomes for the knowledge, skills, and abilities you are expected to acquire in completing the major.

* The Bachelor of Arts in Social Work program is offered by our partner institution, Salisbury University, and administered by UMGCEurope. The program is not currently available for students in Africa and the Middle East. See p. 128 for program details.

Requirements

Continuous Enrollment

In general, the UMGC degree requirements that apply to you are those that were in effect when you completed the first credit-bearing course in a given program at UMGC. If you cease to be continuously enrolled, the program requirements that apply to you are those in effect at UMGC when you return to UMGC and enroll in a credit-bearing course for the program you wish to pursue at that time.

To be considered continuously enrolled, you must have had no more than two sequential years of nonenrollment. After two years of nonenrollment, you must apply for admission to resume enrollment.

If you change your degree program while continuously enrolled, then the program requirements that apply to you are those in effect at the time you enroll in the first required course for that program. Previously completed coursework may not apply to the new requirements.

Information about the catalog year that applies to you is provided in the MyUMGC student portal.

The following requirements for the BA and BS are applicable to students who begin continuous enrollment on or after 1 August 2022.



Overall Bachelor's Degree Requirements

In addition to the general education requirements and the major, minor, and elective requirements, the overall requirements listed here pertain to all bachelor's degrees:

1. You must be admitted as an undergraduate UMGC student.
2. You must complete a minimum of 120 credits.
3. You must maintain a minimum grade point average of 2.0 (C) overall and a minimum grade of C (2.0) for any course applied to the academic major or minor.
4. You must complete all general education requirements listed here, including PACE 111 Professional and Career Exploration, when possible, as your first course at UMGC. If you have 45 or more credits, you may be eligible to take PACE 100 Professional and Career Exploration for transfer students, which provides a condensed orientation to UMGC.
5. You must complete all coursework required for an academic major, which typically requires from 30 to 39 credits.
6. At least 36 credits must be upper level (i.e., earned in courses numbered 300 to 499) and include at least one-half of the credits required for the major. The remaining upper-level credits may be earned in any part of the curriculum.
7. At least half the required number of credits for any academic major or minor must be earned through graded coursework. Credits earned by examination, portfolio assessment, and noncollegiate training do not count as graded coursework.
8. Within the 120 credits required, the following coursework must be taken through UMGC:
 - ✦ 30 credits (normally the final 30)
 - ✦ Half of the required number of credits within both the major (if you are not majoring in general studies, described on p. 96) and the minor (if you choose a minor)
 - ✦ 15 credits at the upper level (i.e., earned in courses numbered 300 to 499), preferably within the major or minor (if you choose a minor)

General Education Requirements

Recommendations for fulfilling general education requirements are provided for each major in the recommended sequence.

Note: Any course that may be applied toward a general education requirement may not also be applied toward major, minor, or elective requirements. Courses applied to meet general education requirements may not be taken pass/fail.

	Credits
A. Communications	12
<ul style="list-style-type: none"> WRTG 111 or another writing course (3 credits) All 3-credit WRTG courses (except WRTG 288, WRTG 388, WRTG 486A, or WRTG 486B), COMM 390, COMM 492, ENGL 102, and JOUR 201 apply. WRTG 112 (3 credits) Must be completed with a grade of C- or better within first 24 credits. May not be earned through Prior Learning (Portfolio Assessment or Course Challenge) assessment. A course in communication, writing, or speech (3 credits) ENGL 102, ENGL 281, JOUR 201, and all 3-credit COMM, SPCH, and WRTG courses (except those numbered 486A and 486B) apply. An upper-level advanced writing course (3 credits) WRTG 391, WRTG 393, and WRTG 394 apply. <p>Note: No more than 3 credits of writing credit may be earned by examination.</p>	
B. Mathematics	3
<ul style="list-style-type: none"> MATH 105, MATH 107, MATH 115, MATH 140, STAT 200, or a mathematics course approved by the department. Must be completed within first 24 credits. Prerequisites must be fulfilled before taking MATH 108, MATH 140, or any higher-numbered MATH or STAT courses. <p>Note: Check individual majors for recommended math courses and related requirements.</p>	

	Credits
C. Arts and Humanities	6
<ul style="list-style-type: none"> Two 3-credit courses chosen from the following disciplines: ARTH, ARTT, ASTD (depending on course content), ENGL (except ENGL 281 and ENGL 384), GRCO, HIST, HUMN, MUSC, PHIL, THET, dance, literature, or foreign language. 	
D. Behavioral and Social Sciences	6
<ul style="list-style-type: none"> Two 3-credit courses chosen from the following disciplines: AASP (AASP 201 only), ANTH, ASTD (depending on course content), BEHS, CCJS (CCJS 100, CCJS 105, CCJS 350, CCJS 360, and CCJS 461 only), ECON, GEOG, GERO (except GERO 342 and GERO 351), GVPT, PSYC, SOCY, or WMST (WMST 200 only). 	
E. Biological and Physical Sciences	7
<ul style="list-style-type: none"> A science lecture course (3 credits) with related laboratory course (1 credit) or a science course combining lecture and laboratory (4 credits). Any other science course (3 credits). <p>Note: Courses from the following disciplines apply: ASTR, BIOL, CHEM, GEOL, NSCI, NUTR, or PHYS. Science courses in other disciplines may also apply.</p>	
F. Research and Computing Literacy	7
<ul style="list-style-type: none"> Professional exploration course (3 credits) Should preferably be taken within the first 6 credits. PACE 111B, PACE 111C, PACE 111M, PACE 111P, PACE 111S, and PACE 111T apply. LIBS 150, CAPL 398A, or a general education elective (1 credit) One 3-credit course or three 1-credit courses in computing or information technology (3 credits) Unless otherwise specified, upper- or lower-level courses designated CMIS, CMIT, CMSC, CMST, CSIA, IFSM, and SDEV and ACCT 326 and DATA 200 apply. Refer to your specific major for requirements or recommendations. 	
Total General Education Requirements	41

BACHELOR'S DEGREE PROGRAMS

DEGREE REQUIREMENTS

Major, Minor, and Elective Requirements

	Credits
A. Academic Major	30–39

The number of credits required to complete an academic major varies according to academic program. At least half the credits earned within the major must be upper level (i.e., earned in courses numbered 300 and higher) and must be earned through UMGC. No grade may be lower than C. Specific coursework is prescribed for each major and is described in the following section.

You may receive a double major; requirements and restrictions are described below.

B. Academic Minor	15–18
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Choosing a minor is strongly encouraged even though it is optional. You may not take a major and minor in the same area and may not receive a double minor. The number of credits required to complete an academic minor varies according to academic program. At least half the credits earned within the minor must be upper level (unless otherwise specified) and must be earned through UMGC.

No grade may be lower than C. Specific coursework is prescribed for each minor and is described in a following section.

C. Electives	25–34
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Electives may be taken in any academic discipline. Pass/fail credit, up to a maximum of 18 credits, may be applied toward electives only.

Total Major, Minor, and Elective Requirements	79
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SUMMARY OF BACHELOR'S DEGREE REQUIREMENTS

General Education Requirements	41 credits
Academic Major	30-39 credits
Academic Minor (optional)	15-18 credits
Electives	25-34 credits
Total	120 credits

A cumulative grade point average of at least 2.0 (C)

Minimum 36 credits of upper-level credit.

A minimum of 30 credits at UMGC, including at least half the credits earned for the major and at least half for the minor, and including at least 15 credits of upper-level credit.

Double Major

You can earn a double major upon completion of all requirements for both majors, including the required minimum number of credits for each major and all related requirements for both majors. The same course cannot be used to fulfill requirements for more than one major. Certain restrictions (including use of credit and acceptable combinations of majors) apply for double majors. You cannot major in two programs with excessive overlap of required coursework. Contact an academic advisor before selecting a double major.

Second Bachelor's Degree

If you have already received a bachelor's degree from UMGC or from another approved institution, you can broaden your education by earning a second bachelor's degree with a different major.

- ✦ You must have received the first bachelor's degree to be eligible to begin a second.
- ✦ For a second bachelor's degree, you need to complete at least 30 new credits through UMGC after completing the first degree. The combined credit in both degrees must add up to at least 150 credits.
- ✦ You may not earn a second bachelor's degree with a double major. You may not earn a second degree in general studies and may not obtain a second associate degree within the second bachelor's degree.
- ✦ To qualify for academic honors in a second bachelor's degree, you must complete at least 30 new credits through UMGC with the requisite grade point average.
- ✦ You must complete all requirements for the major. All course prerequisites apply.
- ✦ If any major requirements were satisfied in the previous degree, the remainder necessary to complete the minimum 30 credits of new coursework should be satisfied with courses related to the major. For purposes of determining what major requirements apply, the applicable date is the date you started coursework at UMGC after being admitted into the second undergraduate degree program.
- ✦ As with other degrees, continuous enrollment at UMGC is required.
- ✦ A minimum grade point average of 2.0 in all courses taken through UMGC is required for graduation.

Before beginning work or considering nontraditional options toward a second degree, consult an academic advisor. Academic advisors will be glad to explain the requirements for a second bachelor's degree and clarify its limitations.

Accounting

You may seek either an academic major or minor in accounting.

Major in Accounting

The major in accounting combines theory and practice to help prepare you to analyze and report on the economic activities of organizations. You'll develop skills in managerial accounting, budgeting, accounting systems, internal controls, financial analysis, financial reporting, internal and external auditing, taxation, and international accounting.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Communicate appropriate financial decisions with financial and nonfinancial audiences in a clear and concise manner
- ✦ Research, prepare, analyze, and review financial and business data by applying accounting and business management principles to produce financial and business reports
- ✦ Use current technology and analytical tools to work collaboratively and facilitate decision making
- ✦ Employ analysis, critical thinking, and problem solving to identify, test, and validate processes, systems, and financial data
- ✦ Develop ethical decision-making models for business practices by addressing current and emerging issues
- ✦ Conduct fraud detection and deterrence planning, analysis, and communication
- ✦ Perform a range of functions, including auditing and financial reporting, to manage finances for federal agencies
- ✦ Analyze business intelligence, data management, and analytics for an organization to improve results

Industry Certification

This program can help prepare you for the following certification exams:

- ✦ Certified Fraud Examiner (CFE)
- ✦ Certified Government Auditing Professional (CGAP)
- ✦ Certified Government Financial Manager (CGFM)
- ✦ Certified Information Systems Auditor (CISA)
- ✦ Certified Internal Auditor (CIA)
- ✦ Certified Management Accountant/Certified Financial Manager (CMA/CFM)
- ✦ Certified Public Accountant (CPA)*

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in accounting, a vertical pathway between UMGC undergraduate and graduate programs in that field allows you to reduce your total coursework for the Master of Science in Accounting and Financial Management, CyberAccounting, or Management with a specialization in accounting at UMGC by 6 credits (two courses). Details are on p. 21.

Degree Requirements

Required Major Courses (36 credits)

ACCT 220	Principles of Accounting I (3)
ACCT 221	Principles of Accounting II (3)
ACCT 310	Intermediate Accounting I (3)
ACCT 311	Intermediate Accounting II (3)
ACCT 321	Cost Accounting (3)
ACCT 323	Federal Income Tax I (3)
ACCT 326	Accounting Information Systems (3)
ACCT 410	Accounting for Government and Not-for-Profit Organizations (3) or any upper-level ACCT course
ACCT 422	Auditing Theory and Practice (3)
ACCT 424	Advanced Accounting (3)
ACCT 436	Internal Auditing (3) or any upper-level ACCT course
ACCT 438	Fraud and Forensic Accounting (3) or any upper-level ACCT course

Related Required Courses

Note: The following related required courses may be applied to general education or elective requirements.

BMGT 364	Management and Organization Theory (3)
BMGT 380	Business Law I (3)
ECON 201	Principles of Macroeconomics (3)
ECON 203	Principles of Microeconomics (3)
FINC 330	Business Finance (3)
MRKT 310	Marketing Principles (3)
STAT 200	Introduction to Statistics (3)
ACCT 411	Ethics and Professionalism in Accounting (3) or BMGT 496 Business Ethics
WRTG 293	Introduction to Professional Writing (3) or COMM 390 Writing for Managers or WRTG 394 Advanced Business Writing

* Requirements for CPA certification vary from state to state.
See p. 261 or umgc.edu/professional-licensure for more information.

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

BS in Accounting Overview

	Credits
General Education Courses	41
Required Major Courses	36
Minor and Elective Courses	43
Total	120

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN ACCOUNTING

Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111B	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
DATA 200 Data Literacy Foundations (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
ACCT 220 Principles of Accounting I (3)	Major
WRTG 112 Academic Writing II (3)	General education/communications
STAT 200 Introduction to Statistics (3)	Related and general education/mathematics
WRTG 293 Introduction to Professional Writing (3) <i>or</i> COMM 390 <i>or</i> WRTG 394	Related and general education/communications
ACCT 221 Principles of Accounting II (3)	Major
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences

ECON 201 Principles of Macroeconomics (3)	Related and general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
CSIA 300 Cybersecurity for Leaders and Managers (3)	Or other elective
ECON 203 Principles of Microeconomics (3)	Related and general education/behavioral and social sciences
ACCT 310 Intermediate Accounting I (3)	Major
FINC 330 Business Finance (3)	Related and elective
ACCT 311 Intermediate Accounting II (3)	Major
DATA 320 Introduction to Data Analytics (3)	Elective
ACCT 326 Accounting Information Systems (3)	Major
IFSM 330 Business Intelligence and Data Analytics (3)	Or other elective
ACCT 321 Cost Accounting (3)	Major
WRTG 394 Advanced Business Writing (3)	Or other general education/communications
DATA 335 Data Visualization (3)	Or other elective
ACCT 323 Federal Income Tax I (3)	Major
ACCT 411 Ethics and Professionalism in Accounting (3) <i>or</i> BMGT 496	Related and elective
CSIA 310 Cybersecurity Processes and Technologies (3)	Elective
ACCT 410 Accounting for Government and Not-for-Profit Organizations (3) <i>or</i> other upper-level ACCT course	Major
BMGT 364 Management and Organization Theory (3)	Related and elective
MRKT 310 Marketing Principles (3)	Related and elective
ACCT 422 Auditing Theory and Practice (3)	Major
BMGT 380 Business Law I (3)	Related and elective
CSIA 350 Cybersecurity in Business and Industry (3)	Elective
ACCT 424 Advanced Accounting (3)	Major
FINC 328 Small Business Finance (3)	Or other elective
ACCT 436 Internal Auditing (3) <i>or</i> other upper-level ACCT course	Major
BMGT 335 Small Business Management (3)	Elective
IFSM 438 Information Systems Project Management (3)	Or other elective
ACCT 438 Fraud and Forensic Accounting (3)	Major
CAPL 398A Career Planning Management (1)	Elective

Business Administration

You may seek either an academic major or minor in business administration.

Major in Business Administration

In the business administration major, you'll gain a well-rounded education that provides foundational, workplace-relevant management skills, organizational theory, and operational knowledge.

UMGC's career-focused bachelor's degree program in business administration is designed to help you compete for the jobs of today and tomorrow by building a comprehensive base of knowledge. This major will help you prepare for a variety of positions in for-profit, nonprofit, and public-sector organizations.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Plan and communicate a shared vision for the organization that will drive strategy, assist with decision making, and position the organization competitively
- ✦ Design and create management and leadership plans
- ✦ Evaluate qualitative and quantitative data
- ✦ Communicate effectively across all levels of an organization
- ✦ Develop, communicate, and implement policies and procedures to reduce cost and organizational risk and promote ethical practices
- ✦ Manage people, time, and resources by using effective employment practices, encouraging team building, and mentoring junior members of the staff
- ✦ Design and execute personal and employee development systems to enhance job performance and leadership skills

Degree Requirements

BS in Business Administration Overview	
	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120



Required Major Courses (33 credits)

BMGT 110	Introduction to Business and Management (3)
ACCT 220	Principles of Accounting I (3)
ACCT 221	Principles of Accounting II (3)
BMGT 364	Management and Organization Theory (3)
BMGT 365	Organizational Leadership (3)
MRKT 310	Marketing Principles (3)
BMGT 380	Business Law I (3)
HRMN 300	Human Resource Management (3)
FINC 330	Business Finance (3)
BMGT 496	Business Ethics (3)
BMGT 495	Strategic Management (3)

Related Required Courses

Note: The following related required courses may be applied to general education or elective requirements.

ECON 201	Principles of Macroeconomics (3)
ECON 203	Principles of Microeconomics (3)
ISFSM 300	Information Systems in Organizations (3)
STAT 200	Introduction to Statistics (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN BUSINESS ADMINISTRATION	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111B	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
WRTG 112 Academic Writing II (3)	General education/communications
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
BMGT 110 Introduction to Business and Management (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
STAT 200 Introduction to Statistics (3)	Related and general education/mathematics
IFSM 300 Information Systems in Organizations (3)	Related and general education/computing and research
ACCT 220 Principles of Accounting I (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
ECON 201 Principles of Macroeconomics (3)	Related and general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 203 Principles of Microeconomics (3)	Related and general education/behavioral and social sciences

ACCT 221 Principles of Accounting II (3)	Major
Elective (3)	Elective
BMGT 364 Management and Organization Theory (3)	Major
Elective (3)	Elective
BMGT 365 Organizational Leadership (3)	Major
Elective (3)	Elective
MRKT 310 Marketing Principles (3)	Major
WRTG 394 Advanced Business Writing (3)	Or other general education/communications
Elective (3)	Elective
BMGT 380 Business Law I (3)	Major
Elective (3)	Elective
Elective (3)	Elective
HRMN 300 Human Resource Management (3)	Major
Elective (3)	Elective
Elective (3)	Elective
FINC 330 Business Finance (3)	Major
Elective (3)	Elective
Elective (3)	Elective
BMGT 496 Business Ethics (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
BMGT 495 Strategic Management (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Communication Studies

You may seek either an academic major or minor in communication studies.

Major in Communication Studies

Whether you're interested in journalism, public relations, business, or digital communications, you can build a firm base of knowledge while you earn a bachelor's degree in communication studies at UMGC. In this major, you'll learn about and apply communication theories and best practices to communicate about events and ideas to various populations. In addition, you'll learn to work with individuals and groups professionally and manage communications within ethical, legal, and financial parameters.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Apply analytical skills in interpreting, using, and delivering information, particularly through mass media
- ✦ Create professional and appropriate written, oral, and visual communications for specific purposes and diverse audiences
- ✦ Design, create, and select multimedia components and integrate them into print, broadcast, and online formats
- ✦ Work with individuals and groups in ways that reflect an understanding of both communication theory and professional expectations
- ✦ Understand diverse and intercultural perspectives as they affect communication
- ✦ Design and employ specific research methods and tools to gather information

Degree Requirements

BA in Communication Studies Overview	
	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120



Required Major Courses (33 credits)

SPCH 100	Foundations of Oral Communication (3) <i>or any SPCH course</i>
COMM 207	Understanding Visual Communication (3) <i>or any COMM course</i>
JOUR 201	Introduction to News Writing (3)
COMM 300	Communication Theory (3)
COMM 302	Mass Communication and Media Studies (3)
SPCH 324	Communication and Gender (3)
JOUR 330	Public Relations Theory (3) <i>or any upper-level JOUR course</i>
COMM 400	Mass Media Law (3) <i>or any upper-level COMM course</i>
SPCH 470	Effective Listening (3) <i>or any upper-level SPCH course</i>
COMM 390	Writing for Managers (3) <i>or any upper-level COMM course</i>
COMM 495	Senior Seminar in Communication Studies (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BA IN COMMUNICATION STUDIES	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111C	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
SPCH 100 Foundations of Oral Communication (3) <i>or any SPCH course</i>	Major
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
COMM 207 Understanding Visual Communication (3) <i>or any COMM course</i>	Major
WRTG 112 Academic Writing II (3)	General education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
COMM 202 Media and Society (3)	Or other general education/communications
JOUR 201 Introduction to News Writing (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/computing and research
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

COMM 300 Communication Theory (3)	Major
Elective (3)	Elective
COMM 302 Mass Communication and Media Studies (3)	Major
Elective (3)	Elective
SPCH 324 Communication and Gender (3)	Major
Elective (3)	Elective
JOUR 330 Public Relations Theory (3) <i>or any upper-level JOUR course</i>	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
COMM 400 Mass Media Law (3) <i>or any upper-level COMM course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
SPCH 470 Effective Listening (3) <i>or any upper-level SPCH course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
COMM 390 Writing for Managers (3) <i>or any upper-level COMM course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
COMM 495 Senior Seminar in Communication Studies (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Computer Science

You may seek either an academic major or minor in computer science.

Major in Computer Science

With a bachelor's degree in computer science, you'll be able to plan, design, and optimize computer software and hardware systems for commercial and government environments. This versatile major provides you with a foundation in programming languages, software development, complex algorithms, and graphics and visualization.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Identify and respond to emerging technology, models, methodologies, systems, and trends in human/computer interaction, including social networking, gaming, modeling, and simulation
- ✦ Apply logic and mathematical principles to the design, development, and verification of secure, high-performance, and reliable computing systems
- ✦ Analyze, design, develop, and document secure technical solutions for computing systems and networking infrastructure
- ✦ Plan, design, and optimize computing architecture, software applications, data, and systems
- ✦ Adhere to local, national, and international technical standards, ethics, and intellectual property regulations when developing computer applications and systems
- ✦ Analyze, compare, and contrast algorithms, programming languages, compilers, and operating systems to select or develop solutions to problems

Technology Requirements

Courses in the computer science program may have computing needs beyond the minimum technology requirements found on p. 2. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in computer science, a vertical pathway between UMGC's undergraduate and graduate programs allows you to reduce your total coursework for the Master of Arts in Teaching by 12 credits (three courses), including the noncredit introductory course UCSP 615. Details are on p. 22.

Degree Requirements

BS in Computer Science Overview	
	Credits
General Education Courses	41
Required Major Courses	36
Minor and Elective Courses	43
Total	120

Required Major Courses (36 credits)

CMIS 141	Introductory Programming (3)
CMIS 242	Intermediate Programming (3)
CMIS 310	Computer Systems and Architecture (3)
SDEV 300	Building Secure Python Applications (3)
CMSC 350	Data Structures and Analysis (3)
CMSC 330	Advanced Programming Languages (3)
CMSC 335	Object-Oriented and Concurrent Programming (3)
CMIS 330	Software Engineering Principles and Techniques (3)
CMIS 320	Relational Database Concepts and Applications (3)
CMSC 430	Compiler Theory and Design (3)
CMSC 451	Design and Analysis of Computer Algorithms (3)
CMSC 495	Current Trends and Projects in Computer Science (3)

Related Required Courses

Note: The following related required courses may be applied to general education or elective requirements.

MATH 140	Calculus I (4)
MATH 141	Calculus II (4)
CMSC 150	Introduction to Discrete Structures (3)
CMIS 102	Introduction to Problem Solving and Algorithm Design (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN COMPUTER SCIENCE	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111T	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMIS 102 Introduction to Problem Solving and Algorithm Design (3)	Related and general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
CMIS 141 Introductory Programming (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 140 Calculus I (4)	Related and general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
CMIS 242 Intermediate Programming (3)	Major
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
CMSC 150 Introduction to Discrete Structures (3)	Related and elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
CMIS 310 Computer Systems and Architecture (3)	Major

MATH 141 Calculus II (4)	Related and elective
SDEV 300 Building Secure Python Applications (3)	Major
Elective (3)	Elective
CMSC 350 Data Structures and Analysis (3)	Major
Elective (3)	Elective
CMSC 330 Advanced Programming Languages (3)	Major
WRTG 393 Advanced Technical Writing (3)	Or other general education/communications
Elective (3)	Elective
CMSC 335 Object-Oriented and Concurrent Programming (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CMIS 330 Software Engineering Principles and Techniques (3)	Major
Elective (3)	Elective
CMIS 320 Relational Database Concepts and Applications (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CMSC 430 Compiler Theory and Design (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CMSC 451 Design and Analysis of Computer Algorithms (3)	Major
Elective (3)	Elective
CMSC 495 Current Trends and Projects in Computer Science (3)	Major/capstone
Elective (2)	Elective

Criminal Justice

You may seek either an academic major or minor in criminal justice.

Major in Criminal Justice

The criminal justice curriculum at UMGC is uniquely designed to provide you with an understanding of crime and criminal behavior, the roles of practitioners within the criminal justice system, and the critical thinking and ethical decision-making strategies necessary to meet the professional demands of the field of criminal justice.

What You'll Learn

Through your coursework, you will learn how to

- ❖ Evaluate the roles and responsibilities of police, courts, and corrections within the American criminal justice system
- ❖ Utilize ethical reasoning, analytical skills, and professional knowledge to investigate the implications of criminal justice policies or procedures on diverse social groups
- ❖ Articulate the importance of research in the social sciences
- ❖ Evaluate criminal justice public policies using analytical competencies
- ❖ Apply the principles of the various criminal bodies of law (i.e., substantive, procedural, and evidentiary) that currently regulate the American criminal justice system

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in criminal justice, a vertical pathway between UMGC's undergraduate and graduate programs in that field allows you to reduce your total coursework for the Master of Science in Management with a specialization in criminal justice management at UMGC by 6 credits (two courses). Details are on p. 21.



Degree Requirements

BS in Criminal Justice Overview

	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120

Required Major Courses (33 credits)

CCJS 100	Introduction to Criminal Justice (3)
CCJS 230	Criminal Law in Action (3)
CCJS 340	Law Enforcement Administration (3)
CCJS 345	Introduction to Security Management (3)
CCJS 350	Juvenile Delinquency (3) or any upper-level CCJS course
CCJS 360	Victimology (3) or any upper-level CCJS course
CCJS 380	Ethical Behavior in Criminal Justice (3)
CCJS 341	Criminal Investigation (3)
CCJS 352	Drugs and Crime (3) or any upper-level CCJS course
CCJS 497	Correctional Administration (3)
CCJS 495	Issues in Criminal Justice (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed **in bold**.

BS IN CRIMINAL JUSTICE	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111P	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
CCJS 100 Introduction to Criminal Justice (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
CCJS 230 Criminal Law in Action (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
Elective (3)	Elective
SOCY 100 Introduction to Sociology (3)	Or other general education/behavioral and social sciences
CCJS 340 Law Enforcement Administration (3)	Major

Elective (3)	Elective
Elective (3)	Elective
CCJS 345 Introduction to Security Management (3)	Major
Elective (3)	Elective
CCJS 350 Juvenile Delinquency (3) <i>or any upper-level CCJS course</i>	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
CCJS 360 Victimology (3) <i>or any upper-level CCJS course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
CCJS 380 Ethical Behavior in Criminal Justice (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CCJS 341 Criminal Investigation (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CCJS 352 Drugs and Crime (3) <i>or any upper-level CCJS course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
CCJS 497 Correctional Administration (3)	Major
Elective (3)	Elective
CCJS 495 Issues in Criminal Justice (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Cybersecurity Management and Policy

You may seek an academic major in cybersecurity management and policy. A related minor is available in cybersecurity (p. 122).

Major in Cybersecurity Management and Policy

In UMGC's bachelor's degree program in cybersecurity management and policy, you can prepare to become a leader in the protection of data. This innovative, world-class program uses a multidisciplinary approach—drawing from fields such as management, law, science, business, technology, and psychology—to provide you with the most current knowledge and skills for protecting critical cyber infrastructure and assets.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Protect an organization's critical information and assets by ethically integrating cybersecurity best practices and risk management throughout an enterprise
- ✦ Integrate continuous monitoring and real-time security solutions with information collection, sharing, collaboration, and analysis capabilities to improve situational awareness and deployment of countermeasures in industry and government
- ✦ Evaluate and assess the use of technology to support cybersecurity goals and objectives
- ✦ Participate in the investigation of cyber incidents and assist in recovery of operations
- ✦ Formulate, update, and communicate short- and long-term organizational cybersecurity strategies and policies

Technology Requirements

Courses in the cybersecurity management and policy program may have computing needs beyond the minimum technology requirements found on p. 2. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ CompTIA Network+
- ✦ CompTIA Security+
- ✦ EC-Council Certified Chief Information Security Officer (CCISO)
- ✦ EC-Council Certified Incident Handler (ECIH)
- ✦ EC-Council Certified Secure Computer User (CSCU)
- ✦ EC-Council Information Security Manager (EISM)
- ✦ IAPP Certified Information Privacy Professional/US (CIPP/US)
- ✦ ISC² Certified Information Systems Security Professional (CISSP)

Degree Requirements

BS in Cybersecurity Management and Policy Overview

	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120

Required Major Courses (33 credits)

CSIA 300	Cybersecurity for Leaders and Managers (3)
IFSM 304	Ethics in Information Technology (3)
CMIT 265	Fundamentals of Networking (3)
CMIT 320	Network Security (3)
CSIA 310	Cybersecurity Processes and Technologies (3)
CSIA 350	Cybersecurity in Business and Industry (3)
CSIA 360	Cybersecurity in Government Organizations (3)
CSIA 413	Cybersecurity Policy, Plans, and Programs (3)
CSIA 459	Evaluating Emerging Technologies (3)
CMIT 425	Advanced Information Systems Security (3)
CSIA 485	Practical Applications in Cybersecurity Management and Policy (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN CYBERSECURITY MANAGEMENT AND POLICY	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111T	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Prerequisite and general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
CSIA 300 Cybersecurity for Leaders and Managers (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 107 College Algebra (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	Or other general education/communications
IFSM 304 Ethics in Information Technology (3)	Major
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

CMIT 265 Fundamentals of Networking (3)	Major
Elective (3)	Elective
CMIT 320 Network Security (3)	Major
Elective (3)	Elective
CSIA 310 Cybersecurity Processes and Technologies (3)	Major
Elective (3)	Elective
CSIA 350 Cybersecurity in Business and Industry (3)	Major
WRTG 393 Advanced Technical Writing (3)	Or other general education/communications
Elective (3)	Elective
CSIA 360 Cybersecurity in Government Organizations (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CSIA 413 Cybersecurity Policy, Plans, and Programs (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CSIA 459 Evaluating Emerging Technologies (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CMIT 425 Advanced Information Systems Security (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
CSIA 485 Practical Applications in Cybersecurity Management and Policy (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Cybersecurity Technology

You may seek an academic major in cybersecurity technology.

Major in Cybersecurity Technology

In UMGC's award-winning program in cybersecurity technology, you'll learn the operational procedures and technologies to design, implement, administer, secure, and troubleshoot corporate networks while applying cybersecurity principles operationally.

Designed to combine the benefits of a traditional college education with hands-on training in state-of-the-art computer technology, the cybersecurity technology curriculum integrates technical skill with communication skills and superior general education knowledge.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security. UMGc is also a designated National Center of Digital Forensics Academic Excellence (CDFAE) institution.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Design, implement, and administer local-area and wide-area networks to satisfy organizational goals
- ✦ Resolve IT system problems and meet the needs of end users by applying troubleshooting methodologies
- ✦ Apply relevant policies and procedures to effectively secure and monitor IT systems
- ✦ Communicate IT knowledge effectively using a wide range of presentation styles
- ✦ Meet organizational goals using effective workforce skills, best practices, and ethical principles

Industry Certification

This program is designed to help prepare you for the following certification exams listed in alphabetical order:

- ✦ AWS Certified Cloud Practitioner—Foundational
- ✦ AWS Certified Solutions Architect—Associate
- ✦ CERT Computer Security Incident Handler (CSIH)
- ✦ Cisco Certified Network Associate (CCNAv7)
- ✦ Cisco Certified Network Professional (CCNP-ENARSI)
- ✦ Cisco Certified Network Professional (CCNP-ENCOR)
- ✦ CompTIA A+
- ✦ CompTIA Cloud+
- ✦ CompTIA Cybersecurity Analyst (CySA+)
- ✦ CompTIA Linux+ and LPIC-1
- ✦ CompTIA Network+

- ✦ CompTIA PenTest+
- ✦ CompTIA Security+
- ✦ EC-Council Certified Ethical Hacker (CEH)
- ✦ (ISC)² Certified Cloud Security Professional (CCSP)
- ✦ (ISC)² Certified Information Systems Security Professional (CISSP)
- ✦ ISFCE Certified Computer Examiner (CCE)
- ✦ Microsoft 365 Certified: Enterprise Administrator Expert
- ✦ Microsoft 365 Certified: Modern Desktop Administrator Associate
- ✦ Microsoft Certified: Azure Fundamentals (AZ-900)

The cybersecurity technology curriculum is closely aligned to industry standards and certifications. Changes related to leading industry certifications may lead to adjustments in course offerings. Visit the program web page for updates.

Technology Requirements

Courses in the cybersecurity technology program may have computing needs beyond the minimum technology requirements found on p. 2. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in cybersecurity technology, a vertical pathway between the undergraduate and graduate programs in this field allows you to earn 6 credits toward the Master of Science in Cloud Computing Systems, Cyber Operations, Cybersecurity Management and Policy, Cybersecurity Technology, or Digital Forensics and Cyber Investigation and/or a certificate in Cloud Computing and Networking, Cyber Operations, Cybersecurity Management and Policy, Cybersecurity Technology, or Digital Forensics and Cyber Investigation. Details are on p. 22.

Degree Requirements

BS in Cybersecurity Technology Overview

	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120

Required Major Courses (33 credits)

CMIT 202	Fundamentals of Computer Troubleshooting (3)
CMIT 265	Fundamentals of Networking (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

CMIT 291	Introduction to Linux (3)
CMIT 320	Network Security (3)
CMIT 321	Ethical Hacking (3)
CMIT 326	Cloud Technologies (3)
CMIT 351	Switching, Routing, and Wireless Essentials (3)
CMIT 495	Current Trends and Projects in Computer Networks and Cybersecurity (3)

Three upper-level courses chosen from any upper-level CMIT courses and CCJS 321 (9)

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN CYBERSECURITY TECHNOLOGY	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111T	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
IFSM 201 Concepts and Applications of Information Technology (3)	Prerequisite and general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
CMIT 202 Fundamentals of Computer Troubleshooting (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 107 College Algebra (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
CMIT 265 Fundamentals of Networking (3)	Major
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities

BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
CMIT 291 Introduction to Linux (3)	Major
CMIT 320 Network Security (3)	Major
Elective (3)	Elective
CMIT 321 Ethical Hacking (3)	Major
Elective (3)	Elective
CMIT 351 Switching, Routing, and Wireless Essentials (3)	Major
Elective (3)	Elective
CMIT 326 Cloud Technologies (3)	Major
WRTG 393 Advanced Technical Writing (3)	Or other general education/communications
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
CMIT 421 Threat Management and Vulnerability Assessment (3) <i>or other upper-level CMIT course or CCJS 321</i>	Major
Elective (3)	Elective
Elective (3)	Elective
CMIT 386 Penetration Testing and Cyber Red Teaming (3) <i>or other upper-level CMIT course or CCJS 321</i>	Major
Elective (3)	Elective
Elective (3)	Elective
CCJS 321 Digital Forensics in the Criminal Justice System (3) <i>or other upper-level CMIT course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
CMIT 495 Current Trends and Projects in Computer Networks and Cybersecurity (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Data Science

You may seek either an academic major or minor in data science.

Major in Data Science

The major in data science is designed to meet the growing need for highly skilled professionals who can transform increasing amounts of data into actionable insights. The program provides hands-on experience with a number of the most frequently used analytical tools and methods, offering opportunities to manage and manipulate data; create data visualizations; build predictive models using different machine learning techniques; apply artificial intelligence (AI) and natural language processing techniques to gain insights from free text, images, and videos; and make strategic data-driven recommendations that directly impact business outcomes. You'll acquire fundamental knowledge and skills in data science that will help you adapt to future changes in tools, technology, and the marketplace.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Communicate effectively orally and in writing, meeting expectations for content, purpose, organization, audience, and format
- ✦ Implement all stages of data science methodology, including data extraction, data cleaning, data load, and transformation
- ✦ Execute best practices, using diverse technologies, in data science, business intelligence, machine learning, and artificial intelligence
- ✦ Analyze social, global, and ethical issues and their implications as they relate to the use of existing and emerging data science, machine learning, and AI technologies
- ✦ Evaluate a business problem or opportunity to determine the extent data science can provide a viable solution, and translate the business problem into a viable project to meet organizational strategic and operational needs
- ✦ Incorporate data security, data privacy, and risk management best practices in the planning, development, and implementation of data science solutions
- ✦ Build and deploy the machine learning process throughout its life cycle in full compliance with best practices for tool evaluation, model selection, and model validation
- ✦ Leverage big data analytics and AI technology to create solutions for stream analytics, text processing, natural language understanding, AI, and cognitive applications

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ AWS Certified Machine Learning
- ✦ Microsoft Certified: Data Analyst Associate
- ✦ Tableau Desktop Certified Associate
- ✦ Tableau Desktop Specialist

Technology Requirements

Courses in the data science program may have computing needs beyond the minimum technology requirements found on p. 62. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in data science, a vertical pathway between UMGC's undergraduate and graduate programs allows you to reduce your total coursework for the Master of Science (MS) in Data Analytics by 6 credits, including the noncredit introductory course UCSP 615. Details are on p. 22.

Degree Requirements

BS in Data Science Overview	
	Credits
General Education Courses	41
Required Major Courses	36
Minor and Elective Courses	43
Total	120

Required Major Courses (36 credits)

STAT 200	Introduction to Statistics (3)
DATA 300	Foundations of Data Science (3)
CSIA 300	Cybersecurity for Leaders and Managers (3)
DATA 320	Introduction to Data Analytics (3)
IFSM 330	Business Intelligence and Data Analytics (3)
DATA 335	Data Visualization (3)
DATA 430	Foundations of Machine Learning (3)
DATA 440	Advanced Machine Learning (3)
DATA 445	Advanced Data Science (3)
DATA 450	Data Ethics (3)
DATA 460	Artificial Intelligence Solutions (3)
DATA 495	Data Science Capstone (3)

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ACADEMIC MAJORS

Related Required Courses

Note: The following required courses may be applied to general education or elective requirements.

DATA 200 Data Literacy Foundations

MATH 140 Calculus I

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all your questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN DATA SCIENCE	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) or PACE 111T	General education/research and computing literacy
WRWG 111 Academic Writing I (3)	Or other general education/communications
DATA 200 Data Literacy Foundations (3)	Related and general education/research and computing literacy
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
STAT 200 Introduction to Statistics (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 140 Calculus I (4)	Related and general education/mathematics
WRWG 112 Academic Writing II (3)	General education/communications
DATA 300 Foundations of Data Science (3)	Major
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
BIOL 101 Concept of Biology (3) and BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences

ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
CSIA 300 Cybersecurity for Leaders and Managers (3)	Major
Elective (3)	Elective
DATA 320 Introduction to Data Analytics (3)	Major
Elective (3)	Elective
IFSM 330 Business Intelligence and Data Analytics (3)	Major
Elective (3)	Elective
DATA 335 Data Visualization (3)	Major
WRWG 393 Advanced Technical Writing (3)	Or other general education/communications
Elective (3)	Elective
DATA 430 Foundations of Machine Learning (3)	Major
Elective (3)	Elective
Elective (3)	Elective
DATA 440 Advanced Machine Learning (3)	Major
Elective (3)	Elective
DATA 445 Advanced Data Science (3)	Major
Elective (3)	Elective
Elective (3)	Elective
DATA 450 Data Ethics (3)	Major
Elective (3)	Elective
Elective (3)	Elective
DATA 460 Artificial Intelligence Solutions (3)	Major
Elective (3)	Elective
DATA 495 Data Science Capstone (3)	Major/capstone
Elective (3)	Elective

English

You may seek either an academic major or minor in English.

Major in English

Like other liberal arts majors, a major in English at UMGC offers a solid base of critical thinking on which to build a career or further graduate study. In-demand skills in research and writing that have a wide application in the job market are also honed. If you are intrigued by literature, the English major may be right for you.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Demonstrate knowledge of a range of English-language literary texts, genres, and terms
- ✦ Analyze literary texts to explain stylistic, historical, sociocultural, and ethical significance
- ✦ Apply critical theory to literary texts to enhance interpretation and analysis
- ✦ Conduct effective research across a range of media
- ✦ Create writing that effectively argues, persuades, illuminates, and/or informs
- ✦ Create presentations in various media to demonstrate the results of academic inquiry

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in English, a vertical pathway between UMGC's undergraduate and graduate programs allows you to reduce your total coursework for the Master of Arts in Teaching at UMGC by 12 credits (three courses), including the noncredit introductory course UCSP 615. Details are on p. 22.

Degree Requirements

BA in English Overview	
	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120



Required Major Courses (33 credits)

ENGL 240	Introduction to Fiction, Poetry, and Drama (3)
ENGL 250	Introduction to Women's Literature (3)
ENGL 303	Critical Approaches to Literature (3)
ENGL 310	Renaissance Literature (3)
ENGL 430	Early American Literature (3)
ENGL 459	Contemporary Global Literature (3)
ENGL 495	Advanced Seminar in English Language, Literature, and Writing (3)

Any upper-level ENGL courses (12)—focused study in American literature or British literature recommended, as follows:

American Literature

ENGL 363	African American Authors from the Colonial Era to 1900
ENGL 364	African American Authors from 1900 to the Present
ENGL 433	Modern American Literature: 1914–1945
ENGL 441	Postmodern American Literature: 1945 to 1999

British Literature

ENGL 311	The Long 18th-Century British Literature
ENGL 312	19th-Century British Literature
ENGL 386	History of the English Language
ENGL 406	Shakespeare Studies

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BA IN ENGLISH	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111C	General education/research and computing literacy
WRWG 112 Academic Writing II (3)	General education/communications
CMST 301 Digital Media and Society (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
ENGL 102 Composition and Literature (3)	Or other general education/communications
ENGL 281 Standard English Grammar (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
ENGL 240 Introduction to Fiction, Poetry, and Drama (3)	Major
ENGL 250 Introduction to Women's Literature (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective

ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
ENGL 303 Critical Approaches to Literature (3)	Major
Elective (3)	Elective
Elective (3)	Elective
ENGL 310 Renaissance Literature (3)	Major
Elective (3)	Elective
ENGL 363 African American Authors from the Colonial Era to 1900 <i>or</i> ENGL 311 The Long 18th-Century British Literature (3)	Major
WRWG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
ENGL 364 African American Authors from 1900 to the Present <i>or</i> ENGL 312 19th-Century British Literature (3)	Major
Elective (3)	Elective
Elective (3)	Elective
ENGL 430 Early American Literature (3)	Major
Elective (3)	Elective
Elective (3)	Elective
ENGL 433 Modern American Literature: 1914–1945 <i>or</i> ENGL 386 History of the English Language (3)	Major
Elective (3)	Elective
Elective (3)	Elective
ENGL 441 Postmodern American Literature: 1945 to 1999 <i>or</i> ENGL 406 Shakespeare Studies (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
ENGL 459 Contemporary Global Literature (3)	Major
ENGL 495 Advanced Seminar in English Language, Literature, and Writing (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

General Studies

You may seek an academic major in general studies.

Major in General Studies

The bachelor's degree program in general studies allows you to take an active role in designing your educational experience through a flexible curriculum while maximizing your ability to transfer previously earned credit. This personalized learning path, coupled with a focus on your specific interests and areas of study, provides a solid, well-rounded foundation in preparation for a variety of careers.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Improve oral and written communication skills
- ✦ Apply critical thinking and problem-solving skills
- ✦ Analyze insights about personal and professional goals
- ✦ Apply skills and knowledge from different academic disciplines
- ✦ Synthesize concepts and theories in core content courses and focus areas

Degree Requirements

BS in General Studies Overview	
	Credits
General Education Courses	41
Required Major Courses	30
Minor and Elective Courses	49
Total	120



Requirements for the Major (30 credits)

- ✦ 6 credits of coursework in one discipline area (e.g., HRMN)
- ✦ 6 credits from a second discipline area (e.g., PSYC)
- ✦ 15 credits from any discipline area(s)
- ✦ CAPL 495 General Studies Capstone (3)

Note: No more than 21 credits of coursework in a single discipline area may be applied to the major.

Overall Requirements for the Degree

Overall requirements for a bachelor's degree in general studies differ slightly from those listed on pp. 75–77. You must meet the 30-credit requirement for coursework taken at UMGC, but those credits may be earned in any combination across major, general education, and elective courses.

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed **in bold**.

BS IN GENERAL STUDIES	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3)	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMST 301 Digital Media and Society (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
Major Course - Discipline I (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
Major Course - Discipline I (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
Major Course - Discipline II (3)	Major
Elective (3)	Elective

Major Course - Discipline II (3)	Major
Elective (3)	Elective
Major Course - Any Discipline (3)	Major
Elective (3)	Elective
Elective (3)	Elective
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
Major Course - Any Discipline (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Major Course - Any Discipline (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Major Course - Any Discipline (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Major Course - Any Discipline (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
CAPL 495 General Studies Capstone (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

History

You may seek either an academic major or minor in history.

Major in History

Like other liberal arts majors, a major in history offers a solid base of critical thinking on which to build a career or further graduate study.

One of the very first schools to offer a degree program in history online, UMGC brings you nearly two decades of experience in teaching history in an online environment. Plus, if you're based in the Washington, D.C., area, you'll have myriad opportunities to find internships and part-time and full-time jobs in the field via public institutions and federal positions. Our alumni have gone on to work at such agencies as the National Archives and the National Park Service.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Research, interpret, and present historical knowledge
- ✦ Write and speak clearly and appropriately about historical information for diverse audiences
- ✦ Engage in history as a moral and ethical practice, recognizing a wide range of backgrounds and perspectives
- ✦ Apply historical precedents to contemporary life and develop self-reflection
- ✦ Achieve a deep understanding of the different peoples, events, and cultures that have shaped human civilization

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in history, a vertical pathway between UMGC's undergraduate and graduate programs allows you to reduce your total coursework for the Master of Arts in Teaching at UMGC by 12 credits (three courses), including the noncredit introductory course USCP 615. Details are on p. 22.

Degree Requirements

BA in History Overview	
	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120



Required Major Courses (33 credits)

HIST 115	World History I (3) or HIST 141 Western Civilization I
HIST 116	World History II (3) or HIST 142 Western Civilization II
HIST 156	History of the United States to 1865 (3)
HIST 157	History of the United States Since 1865 (3)
HIST 289	Historical Methods (3)
HIST 309	Historical Writing (3)
HIST 495	Senior Thesis in History (3)

Upper-level HIST courses (12 credits)—Focused study in U.S. or world history recommended, as follows:

U.S. History

HIST 316L	The American West (3)
HIST 365	Modern America (3)
HIST 377	U.S. Women's History: 1870 to 2000 (3)
HIST 461	African American History: 1865 to the Present (3)

World History

HIST 326	The Roman Republic (3)
HIST 337	Europe and the World (3)
HIST 392	History of the Contemporary Middle East (3)
HIST 480	History of China to 1912 (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BA IN HISTORY	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111C	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMST 301 Digital Media and Society (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
HIST 115 World History I (3) <i>or</i> HIST 141 Western Civilization I (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
HIST 116 World History II (3) <i>or</i> HIST 142 Western Civilization II (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 125 Technological Transformations (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

HIST 156 History of the United States to 1865 (3)	Major
Elective (3)	Elective
HIST 157 History of the United States Since 1865 (3)	Major
Elective (3)	Elective
HIST 289 Historical Methods (3)	Major
Elective (3)	Elective
HIST 309 Historical Writing (3)	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
HIST 316L The American West <i>or</i> HIST 326 The Roman Republic (3)	Major
Elective (3)	Elective
Elective (3)	Elective
HIST 365 Modern America <i>or</i> HIST 337 Europe and the World (3)	Major
Elective (3)	Elective
Elective (3)	Elective
HIST 377 U.S. Women's History: 1870 to 2000 <i>or</i> HIST 392 History of the Contemporary Middle East (3)	Major
Elective (3)	Elective
Elective (3)	Elective
HIST 461 African American History: 1865 to the Present <i>or</i> HIST 480 History of China to 1912 (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
HIST 495 Senior Thesis in History (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Homeland Security

You may seek either an academic major or minor in homeland security.

Major in Homeland Security

The UMGC homeland security program is uniquely designed to provide you with an understanding of the homeland security sector. The curriculum covers international and domestic terrorism, emerging technologies, cyber threats, infrastructure protection, emergency preparedness and response, private-sector partnerships, global pandemics, natural disasters, strategic planning, policies, intelligence operations, and international engagement. In this program, you'll develop the necessary critical-thinking, ethical decision-making, risk analysis, and communication skills to meet the professional demands of leadership and management in the homeland security profession.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Distinguish policies and procedures in the homeland security sector that demonstrate leadership and management
- ✦ Apply professional and ethical decision-making skills to increase knowledge of strategic and operational homeland security goals and interface with internal and external stakeholders
- ✦ Assess the critical technologies essential for the protection and recovery of critical infrastructure and for ensuring the nation's cybersecurity against all hostile threats
- ✦ Assess terrorist threats, cyber and insider threats, critical infrastructure vulnerabilities, and emerging asymmetric threats to U.S. national security
- ✦ Evaluate the roles and relationships of homeland security partners and stakeholders supporting homeland security operations

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in homeland security, a vertical pathway between UMGC's undergraduate and graduate programs in that field allows you to reduce their total coursework for the Master of Science in Management or in Information Technology with a specialization in homeland security at UMGC by 6 credits (two courses). Details are on p. 22.



Degree Requirements

BS in Homeland Security Overview

	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120

Required Major Courses (33 credits)

HMLS 302	Introduction to Homeland Security (3)
HMLS 310	Homeland Security Response to Critical Incidents (3)
HMLS 406	Legal and Political Issues in Homeland Security (3)
HMLS 408	Infrastructure in Homeland Security (3)
HMLS 414	Homeland Security and Intelligence (3)
HMLS 416	Homeland Security and International Relations (3)
PSAD 410	Public Safety Research and Technology (3)
PSAD 414	Public Safety Administration Ethics (3)
PSAD 416	Public Safety Leadership (3)
HMLS 304	Strategic Planning in Homeland Security (3)
HMLS 495	Homeland Security Issues and Challenges (3)

Related Required Course

Note: The following related required course may be applied to general education or elective requirements.

IFSM 300	Information Systems in Organizations (3)
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BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN HOMELAND SECURITY	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111P	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
WRTG 112 Academic Writing II (3)	General education/communications
HMLS 302 Introduction to Homeland Security (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
IFSM 300 Information Systems in Organizations (3)	Related and general education/computing and research
HMLS 406 Legal and Political Issues in Homeland Security (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

HMLS 310 Homeland Security Response to Critical Incidents(3)	Major
Elective (3)	Elective
HMLS 408 Infrastructure in Homeland Security (3)	Major
Elective (3)	Elective
HMLS 414 Homeland Security and Intelligence (3)	Major
Elective (3)	Elective
HMLS 416 Homeland Security and International Relations (3)	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
PSAD 410 Public Safety Research and Technology (3)	Major
Elective (3)	Elective
Elective (3)	Elective
PSAD 414 Public Safety Administration Ethics (3)	Major
Elective (3)	Elective
Elective (3)	Elective
PSAD 416 Public Safety Leadership (3)	Major
Elective (3)	Elective
Elective (3)	Elective
HMLS 304 Strategic Planning in Homeland Security (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
HMLS 495 Homeland Security Issues and Challenges (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Humanities

You may seek an academic major in humanities.

Major in Humanities

Like other liberal arts majors, a major in humanities offers a solid base of critical thinking on which to build a career or further study. This major will broaden your understanding of yourself and your interaction with the world and provide a perspective on cultural and intellectual heritage while offering tools to use that knowledge in the real world.

You'll explore how individuals and groups understand their existence, their place within their cultures, and their responsibility to others and the physical world.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Integrate theories, methods, and concepts from multiple humanities disciplines, such as philosophy, history, art, literature, music, and religious studies
- ✦ Evaluate the adequacy and justifiability of propositions, theories, assumptions, and arguments
- ✦ Communicate the results of critical reflection into personal positions on social, cultural, and ethical issues
- ✦ Apply sound ethical reasoning in contemporary contexts
- ✦ Develop cultural understanding by exploring the cultural heritage of sites, events, people, and communities

Degree Requirements

BA in Humanities Overview	
	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120



Required Major Courses (33 credits)

HUMN 100	Introduction to Humanities (3)
PHIL 100	Introduction to Philosophy (3)
PHIL 140	Introduction to Moral Philosophy and Ethical Reasoning (3)
HIST 115	World History I (3) or HIST 116 World History II or HIST 141 Western Civilization I or HIST 142 Western Civilization II
MUSC 210	Music as Cultural Expression (3) or any MUSC course
ARTH 372	History of Western Art I (3) or any upper-level ARTH course
PHIL 304	Contemporary Social Justice Issues (3) or any upper-level PHIL course
HUMN 351	Myth in the World (3) or any upper-level HUMN course
PHIL 349	Religions of the West (3) or any upper-level PHIL course
ENGL 406	Shakespeare Studies (3) or any upper-level ENGL course
HUMN 495	Humanities Seminar (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BA IN HUMANITIES	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111C	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMST 301 Digital Media and Society (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
HUMN 100 Introduction to Humanities (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
PHIL 100 Introduction to Philosophy (3)	Major
ENGL 240 Introduction to Fiction, Poetry, and Drama (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
PHIL 140 Introduction to Moral Philosophy and Ethical Reasoning (3)	Major

Elective (3)	Elective
HIST 115 World History I (3) <i>or</i> HIST 116 <i>or</i> HIST 141 <i>or</i> HIST 142	Major
Elective (3)	Elective
MUSC 210 Music as Cultural Expression (3) <i>or</i> any MUSC course	Major
Elective (3)	Elective
ARTH 372 History of Western Art I (3) <i>or</i> any upper-level ARTH course	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
PHIL 304 Contemporary Social Justice Issues (3) <i>or</i> any upper-level PHIL course	Major
Elective (3)	Elective
Elective (3)	Elective
HUMN 351 Myth in the World (3) <i>or</i> any upper-level HUMN course	Major
Elective (3)	Elective
Elective (3)	Elective
PHIL 349 Religions of the West (3) <i>or</i> any upper-level PHIL course	Major
Elective (3)	Elective
Elective (3)	Elective
ENGL 406 Shakespeare Studies (3) <i>or</i> any upper-level ENGL course	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
HUMN 495 Humanities Seminar (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Human Resource Management

You may seek either an academic major or minor in human resource management.

Major in Human Resource Management

With a degree in human resource management from UMGC, you'll find employment opportunities in nearly every industry. Our bachelor's degree program is perfect for those who have some experience in HR, as well as those who want to transition into the HR profession.

You'll gain a comprehensive understanding of human resource functions—such as resource planning; recruitment, selection, placement, and orientation of employees; training and career development; labor relations; performance appraisal and rewards programs; and development of personnel policies and procedures— in private- and public-sector settings. Additionally, you'll explore the ways that human behavior, laws, labor relations, and diversity issues can intersect and affect a company's culture and ultimately its progress.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Apply business knowledge, best practices, and ethical leadership skills to make effective business decisions
- ✦ Apply knowledge of human behavior, labor relations, and current laws and regulations to evaluate whether a working environment is safe, fair, and compliant with regulations
- ✦ Develop a plan to create and implement a total rewards program that aligns employee and organizational goals and objectives
- ✦ Create, implement, and assess training, development, and rewards programs that foster employee and organizational learning and development
- ✦ Recognize the diversity of cultures and worldviews that inform human behavior and respond constructively to differences in workplaces, communities, and organizations
- ✦ Use technology to research, collect, analyze, and interpret data and effectively communicate information in a professional manner
- ✦ Evaluate current issues in talent acquisition, selection, strategic planning, and performance-appraisal systems

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ Global Professional in Human Resources (GPHR)
- ✦ Professional in Human Resources (PHR)
- ✦ SHRM-Certified Professional (SHRM-CP)

Degree Requirements

BS in Human Resource Management Overview

	Credits
General Education Courses	41
Required Major Courses	36
Minor and Elective Courses	43
Total	120

Required Major Courses (36 credits)

HRMN 300	Human Resource Management (3)
HRMN 302	Organizational Communication (3)
HRMN 362	Labor Relations (3)
HRMN 367	Organizational Culture and Change (3)
HRMN 395	The Total Rewards Approach to Compensation Management (3)
HRMN 400	Talent Acquisition and Management (3)
HRMN 406	Employee Training and Development (3) or HRMN 410 HR Information Systems and Metrics Analysis
BMGT 364	Management and Organization Theory (3)
FINC 331	Finance for the Nonfinancial Manager (3)
HRMN 408	Employment Law for Business (3)
HRMN 467	Global Human Resource Management (3)
HRMN 495	Contemporary Issues in Human Resource Management Practice (3)

Related Required Course

Note: The following related required course may be applied to general education or elective requirements.

IFSM 300	Information Systems in Organizations (3)
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BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN HUMAN RESOURCE MANAGEMENT	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111B	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
WRTG 112 Academic Writing II (3)	General education/communications
HRMN 300 Human Resource Management (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
IFSM 300 Information Systems in Organizations (3)	Related and general education/computing and research
HRMN 302 Organizational Communication (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

HRMN 362 Labor Relations (3)	Major
Elective (3)	Elective
HRMN 367 Organizational Culture and Change (3)	Major
Elective (3)	Elective
HRMN 395 The Total Rewards Approach to Compensation Management (3)	Major
Elective (3)	Elective
HRMN 400 Talent Acquisition and Management (3)	Major
WRTG 394 Advanced Business Writing (3)	Or other general education/communications
Elective (3)	Elective
HRMN 406 Employee Training and Development <i>or</i> HRMN 410 HR in Information Systems and Metrics Analysis (3)	Major
Elective (3)	Elective
Elective (3)	Elective
BMGT 364 Management and Organization Theory (3)	Major
Elective (3)	Elective
Elective (3)	Elective
FINC 331 Finance for the Nonfinancial Manager (3)	Major
Elective (3)	Elective
Elective (3)	Elective
HRMN 408 Employment Law for Business (3)	Major
Elective (3)	Elective
Elective (3)	Elective
HRMN 467 Global Human Resource Management (3)	Major
Elective (3)	Elective
HRMN 495 Contemporary Issues in Human Resource Management Practice (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Management Information Systems

You may seek either an academic major or minor in management information systems.

Major in Management Information Systems

Management information systems is a critical part of the strategic decision-making process in virtually all of today's public and private organizations. Managers who can lead the teams that integrate information systems with general business processes are in high demand.

Developed by chief information officers and other high-level IT professionals, the bachelor's degree program in management information systems at UMGC is well suited for those looking to move into a management position in information systems and bridge the gap between an organization's functional users and technical developers.

What You'll Learn

- Through your coursework, you will learn how to
- ✦ Communicate effectively, orally and in writing, meeting expectations for content, purpose, organization, audience, and format
 - ✦ Utilize diverse technologies to achieve project-level or organizational information systems objectives, within diverse areas, including cybersecurity, project management, software development, data analytics, and business process analysis
 - ✦ Apply appropriate management, analysis, and measurement methods and tools for information systems and technology to meet organizational strategic and operational needs
 - ✦ Utilize business intelligence and data analytics tools and techniques to generate actionable insights that support achievement of strategic or operational objectives
 - ✦ Analyze recent and projected developments, implications, and applications of existing and emerging technologies, taking into account ethical issues and global and multinational corporate perspectives
 - ✦ Incorporate cybersecurity and risk management best practices in the planning, development, and use of information systems
 - ✦ Develop clear and concise technical and functional requirements, including the use of data and process models, for information systems development and implementation
 - ✦ Create information technology strategic and implementation plans that support organizational strategies and activities and improve processes and outcomes

- ✦ Develop organizational policies, standards, and communications to inform end users on relevant IT operations issues, including ethical issues and accountabilities
- ✦ Collaborate with team members to plan, evaluate, and document technology solutions

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ Agile Certified Practitioner (PMI-ACP)®*
- ✦ Certified Associate in Project Management (CAPM)®*
- ✦ Project Management Professional (PMP)®*

Degree Requirements

BS in Management Information Systems Overview	
	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120

Required Major Courses (33 credits)

IFSM 300	Information Systems in Organizations (3)
IFSM 301	Foundations of Management Information Systems (3)
IFSM 304	Ethics in Information Technology (3)
CSIA 300	Cybersecurity for Leaders and Managers (3)
IFSM 310	Software and Hardware Infrastructure Concepts (3)
IFSM 311	Enterprise Architecture (3)
IFSM 330	Business Intelligence and Data Analytics (3)
IFSM 370	Telecommunications in Information Systems (3)
IFSM 438	Information Systems Project Management (3)
IFSM 461	Systems Analysis and Design (3)
IFSM 495	Trends and Practical Applications in Management Information Systems (3)

Related Required Course

- Note:** The following related required course may be applied to general education or elective requirements.
- | | |
|----------|--|
| CMIS 102 | Introduction to Problem Solving and Algorithm Design (3) |
|----------|--|

* PMI-ACP®, CAPM®, and PMP® are registered marks of the Project Management Institute.

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN MANAGEMENT INFORMATION SYSTEMS	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111T	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
WRTG 112 Academic Writing II (3)	General education/communications
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
IFSM 300 Information Systems in Organizations (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
STAT 200 Introduction to Statistics (3)	Or other general education/mathematics
CMIS 102 Introduction to Problem Solving and Algorithm Design (3)	Related and general education/computing and research
IFSM 301 Foundations of Management Information Systems (3)	Major
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

IFSM 304 Ethics in Information Technology (3)	Major
Elective (3)	Elective
CSIA 300 Cybersecurity for Leaders and Managers (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
IFSM 310 Software and Hardware Infrastructure Concepts (3)	Major
WRTG 393 Advanced Technical Writing (3)	Or other general education/communications
Elective (3)	Elective
IFSM 330 Business Intelligence and Data Analytics (3)	Major
Elective (3)	Elective
Elective (3)	Elective
IFSM 311 Enterprise Architecture (3)	Major
Elective (3)	Elective
Elective (3)	Elective
IFSM 370 Telecommunications in Information Systems (3)	Major
Elective (3)	Elective
Elective (3)	Elective
IFSM 438 Information Systems Project Management (3)	Major
Elective (3)	Elective
IFSM 461 Systems Analysis and Design (3)	Major
Elective (3)	Elective
Elective (3)	Elective
IFSM 495 Trends and Practical Applications in Management Information Systems (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Management Studies

You may seek an academic major in management studies.

Major in Management Studies

Today, many business, government, public service, and technical environments require knowledge of management principles from multiple disciplines. UMGC's program in management studies can help you gain that expertise through a course of study focused on decision making, problem solving, and leadership.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Apply leadership skills to promote communication, ethical behavior, and quality performance
- ✦ Implement employment practices, encourage team building, and mentor staff members
- ✦ Communicate effectively with culturally diverse audiences using a variety of formats and technologies
- ✦ Assess and develop performance measures, feedback, and coaching that facilitates employee development
- ✦ Employ self-reflection and mindfulness of individual and cultural differences when interacting with others
- ✦ Research, plan, and develop processes and procedures that ensure organizational performance

Degree Requirements

BS in Management Studies Overview

	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120



Required Major Courses (33 credits)

BMGT 160	Principles of Management (3)
ACCT 301	Accounting for Nonaccounting Managers (3) or ACCT 220 Principles of Accounting I
BMGT 364	Management and Organization Theory (3)
BMGT 365	Organizational Leadership (3) or any upper-level ACCT, BMGT, FINC, HRMN, or MRKT course
BMGT 464	Organizational Behavior (3) or BMGT 465 Organizational Development and Transformation
BMGT 317	Methods of Decision Making and Problem Solving (3)
BMGT 305	Knowledge Management (3)
BMGT 304	Managing E-Commerce in Organizations (3) or any upper-level ACCT, BMGT, FINC, HRMN, or MRKT course
BMGT 484	Organizational Collaboration (3)
BMGT 496	Business Ethics (3)
BMGT 485	Applied Management (3)

Related Required Courses

Note: The following related required courses may be applied to general education or elective requirements.

ECON 201	Principles of Macroeconomics (3) or ECON 203 Principles of Microeconomics
IFSM 300	Information Systems in Organizations (3)
STAT 200	Introduction to Statistics (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN MANAGEMENT STUDIES	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111B	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
WRTG 112 Academic Writing II (3)	General education/communications
BMGT 160 Principles of Management (3)	Major
COMM 390 Writing for Managers (3)	Or other general education/communications
STAT 200 Introduction to Statistics (3)	Related and general education/mathematics
ISFM 300 Information Systems in Organizations (3)	Related and general education/computing and research
ACCT 301 Accounting for Nonaccounting Managers (3) <i>or</i> ACCT 220 Principles of Accounting I (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3) <i>or</i> ECON 203	Related and general education/behavioral and social sciences

BMGT 364 Management and Organization Theory (3)	Major
Elective (3)	Elective
BMGT 365 Organizational Leadership (3) <i>or any upper-level ACCT, BMGT, FINC, HRMN, or MRKT course</i>	Major
Elective (3)	Elective
BMGT 304 Managing E-Commerce in Organizations (3) <i>or any upper-level ACCT, BMGT, FINC, HRMN, or MRKT course</i>	Major
Elective (3)	Elective
BMGT 305 Knowledge Management (3)	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
Elective (3)	Elective
BMGT 484 Organizational Collaboration (3)	Major
Elective (3)	Elective
Elective (3)	Elective
BMGT 317 Methods of Decision Making and Problem Solving (3)	Major
Elective (3)	Elective
Elective (3)	Elective
BMGT 464 Organizational Behavior (3) <i>or</i> BMGT 465 Organizational Development and Transformation (3)	Major
Elective (3)	Elective
Elective (3)	Elective
BMGT 496 Business Ethics (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
BMGT 485 Applied Management (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Marketing

You may seek either an academic major or minor in marketing.

Major in Marketing

The major in marketing offers an introduction to the fundamental concepts and strategies that constitute successful marketing management. It is designed to provide a thorough understanding of how to identify, retain, and grow profitable customer segments; create effective promotional programs; and develop integrated marketing communication tools, both in domestic and global markets. The program incorporates digital marketing strategies to meet the requirements of the modern marketplace.

What You'll Learn

Through your coursework, you will learn how to

- ❖ Apply strategic marketing skills, such as scenario planning, market intelligence, customer profiles, and digital planning, to successfully market products or services
- ❖ Develop marketing insights with data derived from internal and external sources
- ❖ Design effective integrated marketing communication plans using traditional, digital, and social media channels
- ❖ Develop multichannel campaigns for nonprofit organizations through fundraising, recruiting volunteers, and promoting alliances using traditional and digital marketing channels
- ❖ Create consumer-driven marketing strategies for a consistent consumer experience across multiple marketing channels
- ❖ Develop successful customer relationships and enhance customer loyalty using appropriate marketing technologies
- ❖ Create marketing strategies to meet the challenges of a competitive global market



Degree Requirements

BS in Marketing Overview

	Credits
General Education Courses	41
Required Major Courses	36
Minor and Elective Courses	43
Total	120

Required Major Courses (36 credits)

BMGT 110	Introduction to Business Management (3)
BMGT 330	Entrepreneurship and New Venture Planning (3)
MRKT 310	Marketing Principles (3)
MRKT 354	Integrated Marketing Communications (3)
MRKT 394	Managing Customer Relationships (3)
MRKT 410	Consumer Behavior (3)
MRKT 412	Marketing Research (3)
MRKT 458	Social Media Marketing (3)
MRKT 311	Digital Marketing Principles (3) or any upper-level MRKT course
MRKT 314	Nonprofit Marketing (3) or any upper-level MRKT course
MRKT 454	Global Marketing (3) or any upper-level MRKT course
MRKT 495	Strategic Marketing Management (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN MARKETING	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111B	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
WRTG 112 Academic Writing II (3)	Or other general education/communications
MRKT 310 Marketing Principles (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
IFSM 300 Information Systems in Organizations (3)	Or other general education/computing and research
BMGT 110 Introduction to Business and Management (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 203 Principles of Microeconomics (3)	Or other general education/behavioral and social sciences

MRKT 354 Integrated Marketing Communications (3)	Major
Elective (3)	Elective
BMGT 330 Entrepreneurship and New Venture Planning (3)	Major
Elective (3)	Elective
MRKT 394 Managing Customer Relationships (3)	Major
Elective (3)	Elective
MRKT 410 Consumer Behavior (3)	Major
WRTG 394 Advanced Business Writing (3)	Or other general education/communications
Elective (3)	Elective
MRKT 458 Social Media Marketing (3)	Major
Elective (3)	Elective
Elective (3)	Elective
MRKT 412 Marketing Research (3)	Major
Elective (3)	Elective
Elective (3)	Elective
MRKT 311 Digital Marketing (3) <i>or</i> any upper-level MRKT course	Major
Elective (3)	Elective
Elective (3)	Elective
MRKT 314 Nonprofit Marketing (3) <i>or</i> any upper-level MRKT course	Major
Elective (3)	Elective
MRKT 454 Global Marketing (3) <i>or</i> any upper-level MRKT course	Major
Elective (3)	Elective
Elective (3)	Elective
MRKT 495 Strategic Marketing Management (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Political Science

You may seek either an academic major or minor in political science.

Major in Political Science

With a major in political science, you'll develop a comprehensive understanding of U.S. government and global politics. By analyzing political structures, theory, and problems, you'll learn to interpret complex political problems in both the public and private sectors and propose potential solutions. You'll also have an opportunity to enhance your professionalism and fine-tune your communication and organizational skills.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Identify the characteristics of political science and its subfields
- ✦ Distinguish between major concepts, theories, and research methods of political science
- ✦ Explain key domestic and international systems, institutions, and organizations, including their purposes, functions, and impacts on domestic and global politics and policies
- ✦ Describe ethical issues in political science that inform a commitment to integrity in personal, professional, and political practice
- ✦ Explain the importance of diversity, equity, and identity within sociopolitical, economic, and cultural contexts, both domestically and internationally
- ✦ Apply new information, terminology, and research in political science and other relevant fields
- ✦ Analyze qualitatively and quantitatively based reports and articles for validity, methodology, applicability, and conclusions
- ✦ Produce well-reasoned research within the major theoretical/conceptual frameworks of political science, using appropriate research skills, including statistical methods as needed
- ✦ Express oneself clearly, accurately, logically, cohesively, and critically, in the language of political science, about international and domestic political issues
- ✦ Demonstrate strong analytical writing skills



Degree Requirements

BS in Political Science Overview

	Credits
General Education Courses	41
Required Major Courses	30
Minor and Elective Courses	49
Total	120

Required Major Courses (30 credits)

GVPT 100	Introduction to Political Science (3)
GVPT 101	Introduction to Political Theory (3)
GVPT 170	American Government (3) or GVPT 200 International Political Relations
GVPT 210	Introduction to Public Policy and Public Administration (3)
GVPT 280	Comparative Politics and Governments (3)
GVPT 306	Global Political Economy (3)
GVPT 403	Law, Morality, and War (3) or any upper-level GVPT course
GVPT 406	Global Terrorism (3)
GVPT 457	American Foreign Relations (3) or any upper-level GVPT course
GVPT 495	Advanced Seminar in Political Science (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN POLITICAL SCIENCE	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111P	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMIS 111 Social Networking and Cybersecurity Best Practices (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
GVPT 100 Introduction to Political Science (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 105 Topics for Mathematical Literacy (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
GVPT 101 Introduction to Political Theory (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

GVPT 170 American Government (3) <i>or</i> GVPT 200 International Political Relations (3)	Major
Elective (3)	Elective
GVPT 280 Comparative Politics and Governments (3)	Major
Elective (3)	Elective
GVPT 306 Global Political Economy (3)	Major
Elective (3)	Elective
Elective (3)	Elective
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
GVPT 210 Introduction to Public Policy and Public Administration (3)	Major
Elective (3)	Elective
Elective (3)	Elective
GVPT 403 Law, Morality, and War (3) <i>or any upper-level GVPT course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
GVPT 406 Global Terrorism (3)	Major
Elective (3)	Elective
Elective (3)	Elective
GVPT 457 American Foreign Relations (3) <i>or any upper-level GVPT course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
GVPT 495 Advanced Seminar in Political Science (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Psychology

You may seek either an academic major or minor in psychology.

Major in Psychology

UMGC's bachelor's degree program in psychology will help prepare you for graduate study or a multitude of careers in the field. While acquiring a knowledge base of theory, research, and practice in psychological sciences, you'll hone your quantitative skills, written and oral communication proficiencies, analytical and scientific reasoning, and ability to analyze human behavior.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Apply relevant concepts, theories, empirical findings, and historical trends to personal, organizational, and social issues
- ✦ Model scientific reasoning by designing, participating in, and evaluating psychological research
- ✦ Implement critical and creative thinking, skeptical inquiry, technology-based information literacy, and the scientific approach to solve problems related to current and emerging trends in psychology
- ✦ Use ethical principles of psychology to evaluate psychological science and practice within professional and personal settings
- ✦ Communicate ideas, concepts, arguments, and perspectives during effective interactions with diverse groups in a variety of contexts
- ✦ Analyze the complexity of human diversity and how it influences our understanding of behavior
- ✦ Apply psychology content and skills to career readiness, lifetime learning goals, and workforce contributions

Degree Requirements

BS in Psychology Overview	
	Credits
General Education Courses	41
Required Major Courses	33
Minor and Elective Courses	46
Total	120



Required Major Courses (33 credits)

PSYC 100	Introduction to Psychology (3)
PSYC 300	Research Methods in Psychology (3)
PSYC 301	Biological Basis of Behavior (3)
PSYC 310	Sensation and Perception (3) <i>or any upper-level PSYC course</i>
PSYC 321	Social Psychology (3)
PSYC 335	Theories of Personality (3)
PSYC 341	Memory and Cognition (3) <i>or any upper-level PSYC course</i>
PSYC 351	Lifespan Development (3) <i>or any upper-level PSYC course</i>
PSYC 353	Abnormal Psychology (3)
PSYC 436	Introduction to Clinical Psychology (3)
PSYC 495	Senior Seminar in Psychology (3)

Related Required Course

Note: The following related required course may be applied to general education or elective requirements.

STAT 200	Introduction to Statistics (3)
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BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN PSYCHOLOGY	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111S	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMST 301 Digital Media and Society (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
STAT 200 Introduction to Statistics (3)	Related and general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
PSYC 300 Research Methods in Psychology (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PHIL 140 Introduction to Moral Philosophy and Ethical Reasoning (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
PSYC 301 Biological Basis of Behavior (3)	Major

Elective (3)	Elective
PSYC 310 Sensation and Perception (3) <i>or any upper-level PSYC course</i>	Major
Elective (3)	Elective
PSYC 321 Social Psychology (3)	Major
Elective (3)	Elective
PSYC 335 Theories of Personality (3)	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
PSYC 341 Memory and Cognition (3) <i>or any upper-level PSYC course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
PSYC 351 Lifespan Development (3) <i>or any upper-level PSYC course</i>	Major
Elective (3)	Elective
Elective (3)	Elective
PSYC 353 Abnormal Psychology (3)	Major
Elective (3)	Elective
Elective (3)	Elective
PSYC 436 Introduction to Clinical Psychology (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
PSYC 495 Senior Seminar in Psychology (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Social Science

You may seek an academic major in social science.

Major in Social Science

In UMGC's bachelor's degree program in social science, you'll gain a breadth of knowledge through interdisciplinary study that encompasses perspectives from the fields of anthropology, behavioral sciences, gerontology, psychology, and sociology. You'll also have the opportunity to drill down and focus closely on one of these fields.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Analyze how quantitative and qualitative methods are used in social science research
- ✦ Communicate social science concepts and research findings effectively to a variety of audiences
- ✦ Examine how micro- and macro-level factors are linked in the social lives of individuals, communities, and societies
- ✦ Analyze complex social issues using theoretical approaches, critical thinking skills, information literacy, technology, or interdisciplinary perspectives
- ✦ Evaluate social science research using ethical principles and standards for professional conduct
- ✦ Apply concepts of diversity, social factors, and global multicultural perspectives to examine practical problems in the workplace and society

Vertical Pathway

If you complete your undergraduate degree at UMGC with a major in social science, a vertical pathway between UMGC's undergraduate and graduate programs allows you to reduce your total coursework for the Master of Arts in Teaching by 12 credits (three courses), including the noncredit introductory course UCSP 615. Details are on p. 22.

Degree Requirements

BS in Social Science Overview	
	Credits
General Education Courses	41
Required Major Courses	30
Minor and Elective Courses	49
Total	120

Required Major Courses (30 credits)

Two introductory (100-level) social science courses (6)—Chosen from the following:

- ANTH 102 Introduction to Cultural Anthropology
- GERO 100 Contemporary Issues in Aging
- PSYC 100 Introduction to Psychology
- SOCY 100 Introduction to Sociology

Required courses:

- BEHS 210 Introduction to Social Sciences (3)
- BEHS 220 Diversity Awareness (3)
- Or* BEHS 250 Social Justice Movements (3)
- BEHS 300 Research Methods in Social Sciences (3)
- BEHS 495 Advanced Seminar in Social Sciences (3)

Four upper-level ANTH, BEHS, GERO, PSYC, and SOCY courses (12)—Focused study in anthropology, gerontology, psychology, or sociology recommended, as follows:

Anthropology

- ANTH 345 World Prehistory and Archaeology (3)
- ANTH 346 Anthropology of Language and Communication (3)
- ANTH 350 Health, Illness, and Healing (3)
- ANTH 351 Anthropology in Forensic Investigations (3)

Gerontology

- GERO 302 Health and Aging (3)
- GERO 311 Gender and Aging (3)
- GERO 427 Culture and Aging (3)
- GERO 320 Psychosocial Aspects of Aging (3)

Psychology

- PSYC 321 Social Psychology (3)
- PSYC 338 Psychology of Gender (3)
- PSYC 351 Lifespan Development (3)
- PSYC 354 Cross-Cultural Psychology (3)

Sociology

- SOCY 313 The Individual and Society (3)
- SOCY 325 The Sociology of Gender (3)
- SOCY 423 Race and Ethnicity: A Global Perspective (3)
- SOCY 350 Contemporary Social Problems (3)

Related Required Course

Note: The following related required course may be applied to general education or elective requirements.

- STAT 200 Introduction to Statistics (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed in **bold**.

BS IN SOCIAL SCIENCE	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111S	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMST 301 Digital Media and Society (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
ANTH 102 Introduction to Cultural Anthropology <i>or</i> GERO 100 Contemporary Issues in Aging <i>or</i> PSYC 100 Introduction to Psychology <i>or</i> SOCY 100 Introduction to Sociology (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
STAT 200 Introduction to Statistics (3)	Related and general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
SOCY 100 Introduction to Sociology <i>or</i> ANTH 102 Introduction to Cultural Anthropology <i>or</i> GERO 100 Contemporary Issues in Aging <i>or</i> PSYC 100 Introduction to Psychology (3)	Major
HUMN 100 Introduction to Humanities (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PHIL 140 Introduction to Moral Philosophy and Ethical Reasoning (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective

ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences
BEHS 210 Introduction to Social Sciences (3)	Major
Elective (3)	Elective
BEHS 220 Diversity Awareness (3) <i>or</i> BEHS 250 Social Justice Movement (3)	Major
Elective (3)	Elective
BEHS 300 Research Methods in Social Sciences (3)	Major
Elective (3)	Elective
ANTH 345 World Prehistory and Archaeology <i>or</i> GERO 302 Health and Aging <i>or</i> PSYC 321 Social Psychology <i>or</i> SOCY 313 The Individual and Society (3)	Major
WRTG 391 Advanced Research Writing (3)	Or other general education/communications
Elective (3)	Elective
ANTH 346 Anthropology of Language and Communication <i>or</i> GERO 311 Gender and Aging <i>or</i> PSYC 338 Psychology of Gender <i>or</i> SOCY 325 The Sociology of Gender (3)	Major
Elective (3)	Elective
Elective (3)	Elective
ANTH 350 Health, Illness, and Healing <i>or</i> GERO 427 Culture and Aging <i>or</i> PSYC 351 Lifespan Development <i>or</i> SOCY 423 Race and Ethnicity: A Global Perspective (3)	Major
Elective (3)	Elective
Elective (3)	Elective
ANTH 351 Anthropology in Forensic Investigations <i>or</i> GERO 320 Psychosocial Aspects of Aging <i>or</i> PSYC 354 Cross-Cultural Psychology <i>or</i> SOCY 350 Contemporary Social Problems (3)	Major
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
BEHS 495 Advanced Seminar in Social Sciences (3)	Major/capstone
CAPL 398A Career Planning Management (1)	Elective

Web and Digital Design

You may seek either an academic major or minor in web and digital design.

Major in Web and Digital Design

You can follow your interests and prepare for a career in digital design with UMGC's bachelor's degree program in web and digital design, which allows you to explore design using various digital media and web technologies. In this major, you'll learn how to create digital works using industry-standard software and incorporating design theory and efficient workflows. Through your coursework, you can gain hands-on experience in web design, virtual reality, augmented reality, electronic publishing, motion graphics, multimedia, animation, and graphic design.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Create digital products, such as graphics, interactive digital media, and web applications, that utilize current or emerging technologies to meet customer requirements and usability standards
- ✦ Apply sound business principles and project management techniques to manage a digital media or web design project from conceptualization to deployment
- ✦ Utilize scripting and programming languages to develop interactive digital media or web applications that meet technical specifications and quality standards
- ✦ Assess the cultural, ethical, and legal implications of producing and distributing interactive digital media, products, or platforms
- ✦ Communicate clearly and effectively with diverse stakeholders about technology and digital media

Technology Requirements

Courses in the web and digital design program may have computing needs beyond the minimum technology found on p. 2. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Degree Requirements

BS in Web and Digital Design Overview

	Credits
General Education Courses	41
Required Major Courses	30
Minor and Elective Courses	49
Total	120

Required Major Courses (30 credits)

CMST 290	Introduction to Interactive Design (3)
CMST 295	Fundamentals of Digital Media (3)
CMST 495	Current Trends and Projects in Web and Digital Design (3)

Any upper-level CMST courses (21)—Focused study in web design, digital design, or augmented/virtual reality recommended, as follows:

Web Design

CMST 385	Principles of Web Design and Technology I (3)
CMST 386	Principles of Web Design and Technology II (3)
CMST 325	Image Editing (3)
CMST 320	Illustration Graphics (3)
CMST 388	Fundamentals of JavaScript (3)
CMST 450	Web Development Using XML (3)
CMST 488	Advanced JavaScript (3)

Digital Design

CMST 310	Fundamentals of Electronic Publishing (3)
CMST 311	Advanced Electronic Publishing (3)
CMST 325	Image Editing (3)
CMST 320	Illustration Graphics (3)
CMST 425	Advanced Image Editing (3)
CMST 341	Principles of Multimedia I (3)
CMST 351	Motion Graphics I (3)

Augmented/Virtual Reality

CMST 308	User Experience and Interface Design (3)
CMST 315	Game Design I (3)
CMST 330	Virtual Reality Design I (3)
CMST 331	Augmented Reality Design I (3)

BACHELOR'S DEGREE PROGRAMS

ACADEMIC MAJORS

Suggested Course Sequencing

The following table is designed to provide an optimal order for taking both required and recommended general education, major, and elective courses for this program. Your plan will be unique to you, based on your previous education and credit earned. See pp. 75–77 for information on general education and overall requirements for completing a bachelor's degree. Contact an academic advisor with all questions about your official plan.

Major and related requirements are listed **in bold**.

BS IN WEB AND DIGITAL DESIGN	
Recommended and Required Courses	Requirement(s)
LIBS 150 Introduction to Research (1)	General education/research and computing literacy
PACE 111M Program and Career Exploration in Multidisciplinary Studies (3) <i>or</i> PACE 111T	General education/research and computing literacy
WRTG 111 Academic Writing I (3)	Or other general education/communications
CMST 301 Digital Media and Society (3)	Or other general education/computing and research
NUTR 100 Elements of Nutrition (3)	Or other general education/biological and physical sciences
CMST 290 Introduction to Interactive Design (3)	Major
SPCH 100 Foundations of Oral Communication (3)	Or other general education/communications
MATH 107 College Algebra (3)	Or other general education/mathematics
WRTG 112 Academic Writing II (3)	General education/communications
CMST 295 Fundamentals of Digital Media (3)	Major
HIST 157 History of the United States Since 1865 (3)	Or other general education/arts and humanities
BIOL 101 Concepts of Biology (3) <i>and</i> BIOL 102 Laboratory in Biology (1)	Or other general education/biological and physical sciences
PSYC 100 Introduction to Psychology (3)	Or other general education/behavioral and social sciences
ARTH 334 Understanding Movies (3)	Or other general education/arts and humanities
Elective (3)	Elective
ECON 201 Principles of Macroeconomics (3)	Or other general education/behavioral and social sciences

CMST 385 Principles of Web Design and Technology I <i>or</i> CMST 310 Fundamentals of Electronic Publishing <i>or</i> CMST 308 User Experience and Interface Design (3)	Major
Elective (3)	Elective
CMST 386 Principles of Web Design and Technology II <i>or</i> CMST 311 Advanced Electronic Publishing <i>or</i> CMST 315 Game Design I (3)	Major
Elective (3)	Elective
CMST 325 Image Editing (3)	Major
Elective (3)	Elective
CMST 320 Illustration Graphics (3)	Major
WRTG 393 Advanced Technical Writing (3)	Or other general education/communications
Elective (3)	Elective
CMST 388 Fundamentals of JavaScript <i>or</i> CMST 425 Advanced Image Editing <i>or</i> CMST 330 Virtual Reality Design I (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CMST 450 Web Development Using XML <i>or</i> CMST 341 Principles of Multimedia I (3) <i>or</i> CMST 331 Augmented Reality Design I (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CMST 488 Advanced JavaScript <i>or</i> CMST 351 Motion Graphics I (3)	Major
Elective (3)	Elective
Elective (3)	Elective
CMST 495 Current Trends and Projects in Web and Digital Design (3)	Major/capstone
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
Elective (3)	Elective
CAPL 398A Career Planning Management (1)	Elective

Academic Minors

Choosing a minor is strongly encouraged even though it is optional. You may not take a major and minor in the same area and may not receive a dual minor. The number of credits required to complete an academic minor varies according to academic program. For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Common Requirements for Completing a Minor

- At least half the credits you earn within the minor must be upper level (numbered 300 or above) unless otherwise specified and must be earned through UMGC.
- No grade may be lower than a C in the coursework for the minor.
- Courses already applied toward other degree requirements (e.g. major or general education) may not be applied toward the minor.
- Prerequisites apply for all courses.

Minor in Accounting

The accounting minor complements the skills you gain in your major discipline by providing a study of how the accounting environment measures and communicates the economic activities of organizations to enable stakeholders to make informed decisions regarding the allocation of limited resources.

Courses in the minor (15 credits)

A minor in accounting requires the completion of 15 credits of coursework in accounting. Any ACCT courses apply.

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Art History

The art history minor complements the skills you gain in your major discipline by helping to develop skills in historical and cultural interpretation and critical analysis of works of architecture, sculpture, painting, and the applied arts.

Courses in the minor (15 credits)

A minor in art history requires the completion of the following courses:

ARTH 204	Film and American Culture Studies (3)
ARTH 334	Understanding Movies (3)
ARTH 372	History of Western Art I (3)
ARTH 373	History of Western Art II (3)
ARTH 375	History of Graphic Art (3)

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Biology

The biology minor complements the skills you gain in your major discipline by helping to provide an underlying scientific base upon which to build a career in the life sciences, allied health fields, bioinformatics, environmental management, science journalism, or science education.

Courses in the minor (15 credits)

A minor in biology requires the completion of 15 credits of coursework in biology. All BIOL courses apply.

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Business Administration

The business administration minor complements the skills you gain in your major discipline by providing a study of principles and techniques used in organizing, planning, managing, and leading within various organizations.

Courses in the minor (15 credits)

A minor in business administration requires the completion of 15 credits of coursework in business administration. Any ACCT, BMGT, FINC, HMGT, HRMN, and MRKT courses apply. It is recommended that you take BMGT 364 as the first course in the minor (if you have not already applied the course to other requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Communication Studies

The communication studies minor complements the skills you gain in your major discipline by helping you develop specialized skills in workplace communication, including written and oral communication skills and a greater understanding of human interaction.

Courses in the minor (15 credits)

A minor in communication studies requires the completion of 15 credits of coursework in communication studies. All COMM, JOUR, SPCH, and WRTG courses apply. It is recommended that you take COMM 300 early in the minor (if you have not already applied the course toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Computer Science

The computer science minor complements the skills you gain in your major discipline by providing the foundations for designing and programming computer applications in support of many occupations and developing a process for solving computer challenging problems.

Courses in the minor (15 credits)

A minor in computer science requires the completion of 15 credits in computer science coursework, including the following two-course sequence in programming:

CMIS 141	Introductory Programming (3)
CMIS 242	Intermediate Programming (3)

The remaining 9 credits may be chosen from any upper-level (i.e., courses numbered 300 or above) CMSC courses.

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Criminal Justice

The criminal justice minor complements the skills you gain in your major discipline by providing a study of crime, law enforcement, courts, corrections, security, and investigative forensics.

Courses in the minor (15 credits)

A minor in criminal justice requires the completion of 15 credits of coursework in criminal justice. Any CCJS courses apply. It is recommended that you take CCJS 100 as the first course in the minor (if you have not already applied the course toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Cybersecurity

The cybersecurity minor complements the skills you gain in your major discipline by providing a study of the principles, issues, and technologies pertinent to the field of cybersecurity.

Courses in the minor (15 credits)

A minor in cybersecurity requires the completion of 15 credits of coursework in cybersecurity. All CSIA and CMIT courses apply.

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Data Science

The data science minor complements the skills you gain in your major discipline by helping you develop specialized skills in data science, business intelligence, machine learning, and artificial intelligence.

Courses in the minor (15 credits)

The minor in data science requires the completion of 15 credits of coursework. STAT 200, IFSM 330, CSIA 300, and all DATA courses apply.

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

Technology requirements are the same as for the major. For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Diversity Awareness

The diversity awareness minor complements the skills you gain in your major discipline by providing an interdisciplinary perspective on diversity in contemporary society, conceptually grounded in social science, to promote and cultivate the intercultural awareness and effective communication skills that are necessary in today's professional and social settings.

Courses in the minor (15 credits)

A minor in diversity awareness requires the completion of 15 credits of coursework, chosen from the following courses:

- ANTH 346 Anthropology of Language and Communication (3)
- BEHS 220 Diversity Awareness (3)
- BEHS 250 Social Justice Movements (3)
- BEHS 320 Disability Studies (3)
- BEHS 343 Parenting Today (3)
- ENGL 459 Contemporary Global Literature (3)
- GERO 311 Gender and Aging (3)
- GERO 427 Culture and Aging (3)
- PSYC 338 Psychology of Gender (3)
- PSYC 354 Cross-Cultural Psychology (3)
- SOCY 325 The Sociology of Gender (3)
- SOCY 423 Race and Ethnicity: A Global Perspective (3)
- SOCY 426 Sociology of Religion (3)
- SPCH 324 Communication and Gender (3)
- SPCH 482 Intercultural Communication (3)
- WMST 200 Introduction to Women's Studies: Women and Society (3)

It is recommended that you take BEHS 220 or BEHS 250 as the first course in the minor (if you have not already applied the course toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Economics

The economics minor complements the skills you gain in your major discipline by providing a study of the forces that determine production and distribution, price levels, and income distribution, as well as other economic factors that influence the quality of life.

Courses in the minor (15 credits)

A minor in economics requires the completion of 15 credits of coursework in economics, chosen from the following courses:

ECON 201	Principles of Macroeconomics (3)
ECON 203	Principles of Microeconomics (3)
ECON 305	Intermediate Macroeconomic Theory and Policy (3)
ECON 306	Intermediate Microeconomic Theory (3)
ECON 330	Business and Economics of Sustainability (3)
ECON 430	Money and Banking (3)

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in English

The English minor complements the skills you gain in your major discipline by providing exposure to literary analysis, critical thinking and reading, and the study of the relationship of literature to contemporary intellectual issues.

Courses in the minor (15 credits)

A minor in English requires the completion of the following courses:

ENGL 240	Introduction to Fiction, Poetry, and Drama (3)
ENGL 250	Introduction to Women's Literature (3)
ENGL 303	Critical Approaches to Literature (3)
Any upper-level ENGL courses (6)	

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Forensics

The minor in forensics complements the skills you gain in your major discipline by providing interdisciplinary study in selected areas of criminal justice, natural science, social science, investigation and security, information and computer systems, psychology, and sociology. It combines laboratory and field skills in the collection and analysis of physical evidence with further study in the various subfields of forensics.

Courses in the minor (15 credits)

A minor in forensics requires the completion of 15 credits of coursework in forensics, chosen from the following:

- CCJS 101 Introduction to Investigative Forensics (3)
- CCJS 234 Criminal Procedure and Evidence (3)
- CCJS 301 Criminalistics I: The Comparative Disciplines (3)
- CCJS 302 Criminalistics II: The Scientific Disciplines (3)
- CCJS 342 Crime Scene Investigation (3)
- CCJS 390 Cybercrime and Security (3)
- CCJS 420 Medical and Legal Investigations of Death (3)
- CCJS 421 Principles of Digital Analysis (3)
- CCJS 440 Fingerprint Analysis (3)
- CCJS 441 Firearms and Toolmarks Analysis (3)

It is recommended that you take CCJS 101 and CCJS 234 as the first courses for the minor (if you have not already applied the courses toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in History

The history minor complements the skills you gain in your major discipline by offering a historical perspective and by helping you to develop critical-thinking skills and an appreciation of the major contributions of various events and individuals to human civilization.

Courses in the minor (15 credits)

A minor in history requires the completion of 15 credits of coursework in history, as follows:

- ✦ A 100-level HIST course (3)
(Courses counted toward this requirement include HIST 115, HIST 116, HIST 141, HIST 142, HIST 156, and HIST 157.)
- ✦ HIST 289 Historical Methods (3)
- ✦ Any 9 credits in upper-level HIST courses (9)

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Homeland Security

The homeland security minor complements the skills you gain in your major discipline by providing knowledge of the concepts of domestic and international security.

Courses in the minor (15 credits)

A minor in homeland security requires the completion of the following courses:

HMLS 302	Introduction to Homeland Security (3)
HMLS 406	Legal and Political Issues of Homeland Security (3)
HMLS 408	Infrastructure in Homeland Security (3)
HMLS 414	Homeland Security and Intelligence (3)
HMLS 416	Homeland Security and International Relations (3)

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Human Resource Management

The human resource management minor complements the skills you gain in your major discipline by examining the human resource functions in a private- or public-sector organizational setting. These functions include human resource planning; recruitment, selection, and placement; employee appraisal and compensation; employee training and career development; management of labor relations; and development of a human resource department implementation plan.

Courses in the minor (15 credits)

A minor in human resource management requires the completion of 15 credits of coursework in human resource management. Any HRMN course applies. It is recommended that you take HRMN 300 and 400 for the minor (if you have not already applied the courses elsewhere in the degree).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.



Minor in Management Information Systems

The management information systems minor complements the skills you gain in your major discipline by helping you develop your abilities to conceptualize and manage the design and implementation of high-quality information systems.

Courses in the minor (15 credits)

A minor in management information systems requires the completion of 15 credits of coursework in information systems management. All IFSM courses apply.

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Marketing

The marketing minor complements the skills you gain in your major discipline by enhancing the knowledge and skills related to marketing situations and processes and the emerging global marketplace.

Courses in the minor (15 credits)

A minor in marketing requires the completion of 15 credits of coursework in marketing. All MRKT courses apply. It is recommended that you take MRKT 310 as the first course in the minor (if you have not already applied the course toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Philosophy

The philosophy minor complements the skills you gain in your major discipline by providing a study of the relationships between personal opinions and real-world issues faced by members of a pluralistic, open society.

Courses in the minor (15 credits)

A minor in philosophy requires the completion of the following courses:

PHIL 100	Introduction to Philosophy (3)
PHIL 110	Practical Reasoning (3)
PHIL 304	Contemporary Social Justice Issues (3)
PHIL 336	Ideas Shaping the 21st Century (3)
PHIL 348	Religions of the East (3)

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Political Science

The political science minor complements the skills you gain in your major discipline by providing a systematic study of politics and government. It exposes you to the basic concepts, theories, policies, and roles of government at local, state, and national levels in domestic and foreign settings.

Courses in the minor (15 credits)

A minor in political science requires the completion of 15 credits of coursework in government and politics. All GVPT courses apply. It is recommended that you take GVPT 100, GVPT 101, or GVPT 170 as the first course in the minor (if you have not already applied the course toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Psychology

The psychology minor complements the skills you gain in your major discipline by investigating the nature of mind and behavior, including the biological basis of behavior; perception, memory, and cognition; the influence of environmental and social forces on the individual, personality, and lifespan development and adjustment; research methods; and statistical analysis.

Courses in the minor (15 credits)

A minor in psychology requires the completion of 15 credits of coursework in psychology as follows.

- ✦ One of the following foundation courses (3):
 - PSYC 100 Introduction to Psychology
 - PSYC 300 Research Methods in Psychology
 - STAT 200 Introduction to Statistics
- ✦ One course from each of the following groupings:
 - Biological (3): PSYC 301, PSYC 310, PSYC 341
 - Social (3): PSYC 321, PSYC 351, PSYC 354
 - Professional (3): PSYC 335, PSYC 353, PSYC 436
- ✦ An additional PSYC course (3)

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Sociology

The sociology minor complements the skills you gain in your major discipline by providing a study of contemporary sociological theory and research and applying it to social issues, including globalization, social inequality, diversity, health care, education, family, work, and religion.

Courses in the minor (15 credits)

A minor in sociology requires the completion of 15 credits of coursework in sociology. All SOCY courses apply. It is recommended that you take SOCY 100 as the first course in the minor (if you have not already applied the course toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Terrorism and Critical Infrastructure

The terrorism and critical infrastructure minor complements the knowledge and skills you develop in your major discipline by offering you an understanding of the principle components of protecting both public and private critical infrastructure from acts of terrorism.

Courses in the minor (15 credits)

A minor in terrorism and critical infrastructure requires the completion of 15 credits of coursework focusing on terrorism and critical infrastructure, chosen from the following courses:

- CCJS 341 Criminal Investigation (3)
- CCJS 390 Cybercrime and Security (3)
- GVPT 406 Global Terrorism (3)
- GVPT 407 State Terrorism (3)
- GVPT 408 Counterterrorism (3)
- GVPT 409 Terrorism, Antiterrorism, and Homeland Security (3)
- HIST 392 History of the Contemporary Middle East (3)
- HMLS 302 Introduction to Homeland Security (3)
- HMLS 406 Legal and Political Issues of Homeland Security (3)
- HMLS 408 Infrastructure in Homeland Security (3)

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Web and Digital Design

The web and digital design minor complements the skills you gain in your major discipline by providing a study of the principles, best practices, and technologies that govern the design of digital media.

Courses in the minor (15 credits)

A minor in web and digital design requires the completion of 15 credits of coursework in computer studies. You must complete either CMST 290 or CMST 295. The remaining credits may be chosen from any CMST courses.

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Minor in Women, Gender, and Sexuality Studies

The women, gender, and sexuality studies minor complements the skills you gain in your major discipline by providing an interdisciplinary study of the history, status, and experiences of women.

Courses in the minor (15 credits)

A minor in women, gender, and sexuality studies requires the completion of 15 credits of coursework in women, gender, and sexuality studies, chosen from the following courses:

- WMST Any courses
- BEHS 220 Diversity Awareness (3)
- BEHS 250 Social Justice Movements (3)
- BEHS 343 Parenting Today (3)
- BEHS 453 Domestic Violence (3)
- ENGL 250 Introduction to Women's Literature (3)
- GERO 311 Gender and Aging (3)
- HIST 377 U.S. Women's History: 1870 to 2000 (3)
- PSYC 332 Psychology of Human Sexuality (3)
- PSYC 338 Psychology of Gender (3)
- SOCY 325 The Sociology of Gender (3)
- SOCY 443 Sociology of the Family (3)
- SOCY 462 Women in the Military (3)
- SPCH 324 Communication and Gender (3)

It is recommended that you take WMST 200 as the first course for the minor (if you have not already applied the course toward other degree requirements).

Courses already applied toward other degree requirements (e.g., major or general education) may not be applied toward the minor. At least 9 credits must be earned in upper-level courses (numbered 300 or above). Prerequisites apply for all courses.

For a listing of all the requirements for the bachelor's degree, refer to your major and pp. 75–77.

Social Work Partnership Programs



UMGC Europe is partnered with Salisbury University to offer two programs in social work. As a UMGCEurope student, you may earn a Bachelor of Arts in Social Work (BASW) or Master of Social Work (MSW).*

Bachelor of Arts in Social Work

The Bachelor of Arts in Social Work allows students to prepare for a profession making a difference in the lives of people and their communities. Offered by Salisbury University (SU) and administered by UMGCEurope, the Bachelor of Arts in Social Work (BASW) helps prepare you for entry-level generalist social work practice and advanced graduate education. The BASW is a professional degree accredited by the Council on Social Work Education, which is essential for your licensure after graduation.

In a combination of hands-on practice in the community and theoretical study in the classroom, you will learn how to work with individuals, families, groups, organizations, and communities. The goal of this comprehensive program is to provide you with the knowledge, skills, and values necessary for private and public sector entry-level social work practice.

** Not currently available for students in Africa and the Middle East.*

What You'll Learn

When you graduate with a major in social work, you should be able to

- ✦ Have a solid foundation for entry into professional social work practice.
- ✦ Utilize the appropriate knowledge, values, and skills for entry-level intervention with individuals, families, groups, and communities.
- ✦ Maintain a professional identity consistent with social work values and ethics.
- ✦ Apply valuable hands-on experience with various client populations, including diverse racial and ethnic groups, and at-risk populations.
- ✦ Evolve a practice style consistent with your personal strengths and capabilities.
- ✦ Work within a human service agency or organization.

Hands-On Practice

Field education is an integral component of the social work curriculum during which you will engage in supervised social work practice. This practice provides you the opportunity to apply your classroom learning in a field setting. All field education courses are graded.

PARTNERSHIP PROGRAMS

BACHELOR OF ARTS IN SOCIAL WORK

Degree Requirements

BA in Social Work Overview	
	Credits
General Education Courses	38
Required Major Courses	54
Elective Courses	28
Total	120

A degree with a major in social work requires the successful completion of 120 credits of coursework, with 54 credits required for the major, including 8 credits of supervised field instruction.

Since some recommended courses fulfill more than one requirement, substituting courses for those listed may require you to take additional courses to meet degree requirements. You should consult your academic advisor whenever taking advantage of other options.

Required Core Courses (54 credits)

SOWK 200	Introduction to the Social Work Profession (4)
SOWK 300	Human Behavior in the Social Environment I (4)
SOWK 302	Human Behavior in the Social Environment II (4)
SOWK 306	Social Welfare History and Contemporary Issues (4)
SOWK 309	Privilege and Oppression (4)
SOWK 310	Basic Interviewing: Skills and Techniques (2)
SOWK 320	Social Work Practice I (4)
SOWK 330	Policy Practice: Analyst and Advocate (4)
SOWK 400	Social Work Practice II (4)
SOWK 410	Social Work Practice III (4)
SOWK 416	Social Work Research I (4)
SOWK 417	Social Work Research II (4)
SOWK 420	Field Instruction in Social Work I (4)
SOWK 421	Field Instruction in Social Work II (4)

Required Related Courses

Note: The following related required course may be applied to general education or elective requirements.

PSYC 100	Introduction to Psychology (3)
SOCY 100	Introduction to Sociology (3) or ANTH 102 Introduction to Cultural Anthropology (3) or GVPT 170 American Government (3)
STAT 200	Introduction to Statistics(3)

General Education Courses (38 credits)

❖ Group I: English and Literature (2 courses)

- WRTG 112 Introduction to Academic Writing II (3)
- Choose from: ENGL 240, ENGL 303, ENGL 310, ENGL 311, ENGL 312, ENGL 364, ENGL 406, or ENGL 439

❖ Group II: History (2 courses)

- HIST 115 World History I (3)
or HIST 116 World History II (3)
- Any HIST course

❖ Group III: Humanities and Social Science (3 courses)

- PSYC 100 Introduction to Psychology (3)
- SOCY 100 Introduction to Sociology (3)
or ANTH 102 or GVPT 170
- Any ARTH, ARTT, COMM, DANC, HUMN, THET, foreign language, MUSC, or PHIL course

❖ Group IV: Natural Science, Math, and Computer Science (4 courses)

- BIOL 101 Concepts of Biology (3)
and BIOL 102 Laboratory in Biology (1)
or BIOL 103 Introduction to Biology (4)
- Any additional BIOL course (3) with a lab (1)
or any CHEM, GEOL, or NSCI with a lab
- MATH 103 College Mathematics (3)
or higher MATH, science, or computer course
- STAT 200 Introduction to Statistics (3)

❖ Group V: Health Fitness (1 course)

- FTWL 106 Lifelong Fitness and Wellness (3)

Elective Courses (28 credits)

Total credits for BA in Social Work **120**

Admission Process

To begin the program, you should apply for admission to UMGC Europe through the online application for admission and select Salisbury Undergraduate and no minor for level of study.

Prior to being fully admitted into the BASW program, you must complete the pre-admission requirements. Completion of all pre-admission requirements does not guarantee your acceptance into the program. To meet pre-admission requirements, you must successfully complete 45 credits of coursework, to include the following courses:

- ✦ PSYC 100 Introduction to Psychology (3)
- ✦ STAT 200 Introduction to Statistics (3)
- ✦ SOCY 100 Introduction to Sociology (3)
or ANTH 102 or GVPT 170
- ✦ SOWK 200 Introduction to the Social Work Profession (4), SU
- ✦ SOWK 300 Human Behavior in the Social Environment I (4), SU
- ✦ SOWK 310 Basic Interviewing: Skills and Techniques (2), SU

In addition, each applicant for the BASW program must submit a Salisbury University application and written personal statements. You must meet these general BASW admission requirements:

- ✦ Achieve junior standing with at least 45 completed credits (preferably closer to 60)
- ✦ Have an overall GPA of 2.5, including all transfer credits
- ✦ Have an overall GPA of 2.7 in social work courses, including the pre-admission requirements

Currently, BASW applications are only accepted in the fall semester. Please contact the Social Work Office for upcoming application submission dates.

Advanced Standing

If you complete your baccalaureate degree in social work from UMGC Europe/Salisbury University or another undergraduate social work program accredited by the Council on Social Work Education within the last three years, you are eligible to apply for the advanced standing program for the Master of Social Work, reducing your coursework from 62 credits to 32 credits. Applicants who have graduated within the last five years and have worked in human services for at least two of those years will also be considered. See the next pages for details.

Salisbury University Policies

- ✦ You are expected to demonstrate professional behavior while completing the BASW and to become a professional social worker
- ✦ You may not repeat any social work class more than once without permission
- ✦ You must earn a grade of C or better in all core courses
- ✦ The required courses may not equal 120 credit hours; therefore, you must register for additional electives to complete 120 credits required for graduation
- ✦ You must have a minimum of 30 credits of upper-level (300-499) courses

ABOUT OUR PARTNER INSTITUTION SALISBURY UNIVERSITY

Salisbury University, a member of the University System of Maryland, is an accredited university of national distinction. Home to more than 8,700 students from across the U.S. and around the world, Salisbury University has a reputation for excellence in public higher education. SU continuously ranks among the nation's top colleges and values according to *The Princeton Review*, *U.S. News & World Report*, *Kiplinger's*, *Money*, *Forbes*, and others.

Located on Maryland's Eastern Shore, this four-year university has 55 undergraduate and graduate degree programs. SU prides itself on being an institution where individual talents are celebrated while big ideas are encouraged and nurtured.

salisbury.edu/socialwork

Master of Social Work

Prepare yourself for professional social work in your community, as you learn the benefits of empowering individuals and affecting social change.

The Master of Social Work (MSW) prepares social work practitioners for advanced, direct practice with individuals, families, groups, and organizations. The program is designed to help you achieve your maximum potential with a dynamic curriculum of generalist and specialized courses. Offered by Salisbury University and administered by UMGC Europe, the Master of Social Work program is accredited by the Council on Social Work Education.

The goal of this comprehensive program is to provide you with the knowledge, skill-sets, and values necessary to propel you into the private or public sectors of social work. Through a combination of hands-on practice in the community and theoretical study in the classroom, you will gain the knowledge required to enter the social work field.

What You'll Learn

The program is designed to help prepare you to

- ✦ Operate as an ethical, competent, and culturally responsive social work practitioner
- ✦ Utilize skills in a plethora of human service arenas working with individuals, families, groups, organizations, and communities
- ✦ Participate in community engagement in the pursuit of social and economic justice

Career Preparation

This program is designed to help prepare you for work in a variety of human service programs and agencies in a clinical and/or supervisory administrative capacity.

Program Overview

The degree program requires 62 credit hours, with 48 credits of classroom work and 14 credits of supervised field practicum. The regular program length for full time students is generally 12 sessions. Recent graduates of an accredited bachelor's social work program may be eligible to apply to our advanced standing program, which requires 32 credits and typically takes six sessions.

If you have completed a bachelor's degree in social work from an accredited undergraduate social work program, you may be eligible for the **MSW advanced standing program**. Advanced standing is a 32 credit program, rather than a 62 credit program.

Field Education

The program requires field practicum study, where you will engage in supervised social work practice in a hands-on setting with an organization in the community. Field education is an integral component of the social work curriculum, and the focus is to take learning outside the classroom setting and provide valuable experience. In these courses, you will actively participate in your learning through real-world supervised social work practice at a human service agency in your local military community. UMGC Europe will assist with the placement process in institutions such as schools, social service agencies, day care centers, medical facilities, etc., but field placement is ultimately the responsibility of the student.

Degree Requirements: Traditional Program

Generalist Practice (30 credits)

SOWK 607	Social Welfare Policy Practice: Analyst and Advocate (3)
SOWK 610	Theoretical Analysis of Behavior I (3)
SOWK 616	Social Work Research I (3)
SOWK 617	Social Work Research II (3)
SOWK 620	Social Work Practice I (3)
SOWK 622	Social Work Practice II (3)
SOWK 623	Social Work Practice III (3)
SOWK 630	Theoretical Analysis of Behavior II (3)
SOWK 640	Field Instruction I (3)
SOWK 645	Field Instruction II (3)

Specialized Practice (29 credits)

SOWK 602	Ethical Foundation of Social Work (3)
SOWK 650	Advanced Practice with Individuals (3)
SOWK 654	Psychopathology (3)
SOWK 655	Evaluation of Social Work Practice (3)
SOWK 660	Advanced Practice with Families (3)
SOWK 663	Supervision and Administration (3)
SOWK 665	Field Instruction III (4)
SOWK 680	Advanced Practice with Groups (3)
SOWK 685	Field Instruction IV (4)

Elective Course (3 credits)

SOWK 653	Substance Abuse Assessment and Intervention (3)
or SOWK 604	Treatment of Trauma (3)
or SOWK 677	Child Welfare (3)

Total: 62 Credits

Degree Requirements: Advanced Standing Curriculum

Specialized Practice (29 credits)

SOWK 602	Ethical Foundation of Social Work (3)
SOWK 650	Advanced Practice with Individuals (3)
SOWK 654	Psychopathology (3)
SOWK 655	Evaluation of Social Work Practice (3)
SOWK 660	Advanced Practice with Families (3)
SOWK 663	Supervision and Administration (3)
SOWK 665	Field Instruction III (4)
SOWK 680	Advanced Practice with Groups (3)
SOWK 685	Field Instruction IV (4)

Elective Course (3 credits)

SOWK 653	Substance Abuse Assessment and Intervention (3)
or SOWK 604	Treatment of Trauma (3)
or SOWK 677	Child Welfare (3)

Total: 32 Credits

Program Calendar

Master of Social Work courses are offered in five sessions throughout the year. The sessions are usually seven weeks in length. For the annual program calendar, visit europe.umgc.edu/calendars.

Program Admission

Students seeking admission to the MSW program must demonstrate that they

1. Hold a bachelor's degree from a regionally accredited college or university.
2. Have completed a broad liberal arts background with a minimum of 24 credit hours, including at least one course each in sociology, psychology, and statistics. These undergraduate requirements may be taken at any accredited college or university, including community colleges. All prerequisites for admission must be completed prior to admission, except statistics, which must be completed by the end of the first semester in the program. All offers of admission are conditional upon the successful completion of the undergraduate coursework.
3. Have earned a minimum of a 3.0 grade point average on the last 120 graded credits that appear on their bachelor's degree transcript, as well as a 3.0 grade point average on the last 60 graded upper-division credits.

4. Have submitted transcripts of any completed graduate courses.
5. Submit three professional letters of recommendation, usually from persons such as professors, employers, supervisors, professional colleagues, and community associates. Applicants who have been employed in a social service agency should request a recommendation from a recent employer or supervisor. Also, applicants should provide a recommendation from a faculty advisor or instructor.

Advanced Standing Admission

Applicants for advanced standing must meet additional requirements, including having graduated from an undergraduate social work program accredited by the Council on Social Work Education within the last three years. However, applicants with two years of human service work who graduated within the last five years with a Bachelor of Arts in Social Work degree will be considered. Applicants for advanced standing must have earned a minimum 3.0 grade point average on the last 120 credits that appear on their bachelor's degree transcript, as well as a 3.2 on the last 60 graded upper-division credits (including all social work courses). Students without an accredited undergraduate degree in social work are admitted to the regular 62 credit program that may be completed in 12 sessions.

When applying for advanced standing, you must submit the following material in addition to the usual application requirements:

1. Transcripts documenting eligibility for advanced standing.
2. Recommendation from the field liaison and field instructor.
3. A detailed evaluation of your field instruction experience and performance by the agency supervisor or an evaluation of your employment performance. You may submit evaluations of field performance conducted at the end of each undergraduate term.

SUBMISSION OF DOCUMENTATION

All documentation (e.g., official transcripts, recommendation letters, etc.) should be sent to

Salisbury University
Office of Graduate Studies and Research
1101 Camden Avenue
Salisbury, MD 21801

Provisional Admission

Provisional admission to the MSW program may be granted if you have a GPA of 2.5 to 2.99 (2.8 to 2.99 for advanced standing applicants) on the last 120 graded credits that appear on your bachelor's degree transcript and have an otherwise strong application. Provisionally admitted applicants must complete one semester of graduate courses (at least two courses) with a GPA of 3.0.

Transfer Applicants

Under certain circumstances, you may receive a maximum of 29 credits for work completed not more than five years prior to your first registration from a CSWE-accredited graduate school of social work and for which a grade of at least a B was received. No course, including any transfer course, may be counted toward a degree if it was completed more than seven full calendar years prior to the date of graduation.

You must complete a minimum of 32 credits in the Salisbury University Department of Social Work to be eligible for the MSW.

If you are currently or were previously enrolled in another accredited master's level social work degree program and are seeking admission as a transfer student, you are required to submit the following additional materials:

1. A brief written statement describing the reasons why you are requesting a transfer.
2. A copy of practicum/field work evaluations, if applicable.
3. One of the three letters of recommendation must be from a faculty member or field supervisor affiliated with the program.

If you are registered in the program and want to take a course at another university and transfer credit toward the Salisbury University Department of Social Work MSW (i.e., a summer course), you must receive approval from the chair of the Department of Social Work.

Progression Requirements

Students in the MSW program may graduate with no more than 6 credits (typically two courses) in which they earn lower than a B or 3 credits for advanced standing students. Students in the 62-credit MSW program are allowed to repeat two courses one time during the program to improve their grade. Students who have begun the concentration curriculum may not repeat a foundation course. Advanced standing students may repeat one course one time. Students who have exceeded the allowed credits earned with a C and who have utilized the course repeat option will be dismissed from the program regardless of their GPA. Students who receive a grade below a C and have utilized the course repeat option will also be dismissed from the program regardless of their GPA.

In addition, students in the MSW program must maintain a cumulative grade point average of 3.0. If the GPA falls below 3.0, the student is placed on academic probation according to university policy.

Life Experience Statement

No credit will be given for work or life experience.

Pending Legal Action and Conviction Statement

If you indicate on the application that you have pending legal action or convictions, you will be asked to supply documentation on the nature of the offense and the disposition. Individuals admitted to the program who are facing pending legal action or convictions may have restrictions placed on the area of study and field placements they may pursue. In addition, some field placement agencies require a criminal background check.

CONTACT US

Visit europe.umgc.edu/socialwork for full details about these programs. If you are interested in pursuing either a BASW or MSW, it is recommended that you contact the UMGC Europe Social Work Office for assistance with getting started.

UMGC Europe Social Work Office
Email: socialwork-europe@umgc.edu
Tel: +49-(0)631-5600-1737

Master's Degree Programs



At the master's degree level, UMGC Europe offers the Master of Arts in Teaching (MAT), Master of Business Administration (MBA), Master of Science (MS), and Master of Social Work (MSW). See p. 131 for information about the MSW program.

Expectations

Each UMGC master's degree incorporates program-specific and core competencies. The following essential core competencies are emphasized across all programs:

- ✦ Effective writing and oral communication
- ✦ Teamwork/collaboration/leadership
- ✦ Quantitative reasoning
- ✦ Critical analysis, critical thinking, and problem solving

UMGC conducts learning outcomes assessments to measure and improve your learning in these areas as well as in specific disciplinary knowledge and skills.

Requirements

Continuous Enrollment

In general, the UMGC degree requirements that apply to you are those that were in effect when you completed the first credit-bearing course in a given program at UMGC. If you cease to be continuously enrolled, the program requirements that apply to you are those in effect at UMGC when you return to UMGC and enroll in a credit-bearing course for the program you wish to pursue at that time.

At present, to be considered continuously enrolled, you must have had no more than two sequential years of nonenrollment. After two years of nonenrollment, you must apply for admission to resume enrollment. The existing rules and standards for continuous enrollment are subject to change.

If you change your degree program while continuously enrolled, then the program requirements that apply to you are those in effect at the time you enroll in the first required course for the new program. Previously completed coursework may not apply to the new requirements.

Information about the catalog year that applies to you is provided in the MyUMGC student portal.

The following requirements for the master's degree are applicable to students who begin continuous enrollment on or after 1 August 2022.

Overall Requirements

More is expected at the graduate level than what is normally required at the undergraduate level. In addition, you usually must complete special requirements at the end of your graduate program. UMGC's master's degree programs require you to complete an integrative end-of-program capstone course in which you must demonstrate mastery of content covered throughout the program.

All master's degrees require completion of at least 30 credits, with specific requirements listed on the next pages. Information on the requirements for maintaining good academic standing may be found on p. 37.

Initial Requirement

Most master's degrees require UCSP 615 Orientation to Graduate Studies at UMGC, which must be taken within the first 6 credits of study. For master's degrees that require foundation courses CBR 600, DCL 600M, DCL 600T, or PRO 600, the required foundation course must be taken first.

Time Limits

All requirements established for the completion of a master's degree listed in this publication must be fulfilled within five consecutive years. The time limit is calculated from the term in which you successfully complete the first credit course that applies to the program. It does not include the introductory courses CBR 600, DCL 600M, DCL 600T, and PRO 600 but does include courses transferred from other institutions and courses transferred from UMGC undergraduate programs as part of an accelerated pathway.

Second Master's Degree

If you have earned a master's degree from UMGC and want to pursue an additional master's degree at UMGC, you must complete at least 30 credits of new coursework to be eligible. No substitutions to the program are available. If the coursework required for one degree program significantly overlaps with coursework for another degree program, it may not be possible for you to earn both degrees. In such cases, you will need to choose an alternate program if you wish to complete another credential at UMGC.

Before beginning work toward or registering for a second master's degree, consult an academic advisor. Academic advisors will be glad to explain the requirements and restrictions on combinations.



UMGC Europe Programs

The following master's degree programs are available through UMGCEurope:

- ✦ Master of Arts in Teaching (MAT)
- ✦ Master of Business Administration (MBA)
- ✦ Master of Science in Acquisition and Contract Management (MS)
- ✦ Master of Science in Cloud Computing Systems (MS)
- ✦ Master of Science in Cyber Operations (MS)
- ✦ Master of Science in Cybersecurity Management and Policy (MS)
- ✦ Master of Science in Cybersecurity Technology (MS)
- ✦ Master of Science in Digital Forensics and Cyber Investigation (MS)
- ✦ Master of Science in Healthcare Administration (MS)
- ✦ Master of Science in Information Technology (MS) with specializations in:
 - Database Systems Technology
 - Homeland Security Management
 - Informatics
 - Information Assurance
 - Project Management
 - Software Engineering
 - Systems Engineering
- ✦ Master of Science in Management (MS) with specializations in:
 - Criminal Justice Management
 - Homeland Security Management

Available through partnership with Salisbury University:

- ✦ Master of Social Work (MSW)

The following pages provide descriptions of the graduate degree and certificate programs available in Europe through UMGCEurope, including all course requirements and any academic or professional preparation required or recommended beyond general graduate admission requirements.

Most graduate degree and certificate programs follow a very specific curriculum with little or no choice. However, in some cases you may substitute a single 6-credit course that covers the same content as two required 3-credit courses or vice versa. These options are listed in the course requirements.

Acquisition and Contract Management

You may earn a graduate certificate or a Master of Science in Acquisition and Contract Management. For the related graduate certificate program, see p. 164.

Master of Science in Acquisition and Contract Management

The graduate program in acquisition and contract management prepares you for careers in government and commercial organizations across multiple industries. The program addresses many challenges faced by government contracting for specialized acquisitions. These acquisitions include contracts for services, research and development, and information technology. You'll learn to navigate ongoing demands for the implementation of performance-based contracts and competitive sourcing as competition for resources grows within the government and throughout industry.

What You'll Learn

Through your coursework, you'll learn how to

- ❖ Create an acquisition strategy based on the life-cycle phases and integrate supply chain management principles, technologies, and processes throughout the acquisitions
- ❖ Conduct public, private, and international acquisitions in a legal and ethical manner
- ❖ Leverage post-award principles and practices to streamline the acquisition process
- ❖ Conduct source selection of products and services strategically
- ❖ Devise a comprehensive plan to handle purchasing and logistics for a commodity
- ❖ Design an effective acquisition sustainability strategy that incorporates risk management techniques to support product and service delivery

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- Federal Acquisition Certification for Contracting Officer's Representatives (FAC-COR)
- Federal Acquisition Certification in Contracting (FAC-C)

Preparation Recommended for Success

Recommendations

If you need to improve your computing skills, you should take the noncredit course ASC 605. Taking ASC 601 is recommended to improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS in Acquisition and Contract Management	
	Credits
Required Foundation Course	6
Required Core Courses	30
Total Credits	36

Required Foundation Course

DCL 600M Decisive Thinking, Communicating, and Leading in Multidisciplinary Fields (6)

Required Core Courses

ACM 610 Fundamentals of Acquisition Planning and Costs Price Analysis (6)

ACM 620 Sourcing Decisions and Legal Considerations in Contracting (6)

ACM 630 Strategic Supplier Relations in Sustainable Supply Environments (6)

ACM 640 Performance-Based Logistics and Asset Management (6)

ACM 670 Acquisition Continuous Improvement and Sustainment Management (6)

Course Sequencing

- ❖ Courses must be taken in the order listed.

Criteria for Program Progression

You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.

Business Administration

You may earn a Master of Business Administration.

Master of Business Administration

The MBA program can help you gain the skills and abilities desired by today's employers and learn how to strategically manage an organization for growth and success. In this program, you can develop and advance your competencies in finance, marketing, human resources, strategy, and leadership. You'll be able to apply your learning from multiple disciplines and specializations to real-life business problems.

What You'll Learn

Through your coursework, you'll learn how to

- ❖ Evaluate organizational leadership from an ethical and strategic standpoint
- ❖ Create an enterprise strategy by designing, analyzing, and evaluating a global (i.e., domestic and international) market strategy
- ❖ Identify key legal concepts in the business environment and apply them to enhance effective management decisions and organizational operations
- ❖ Propose an operation plan, systems, and processes to optimize an organization's performance
- ❖ Devise a comprehensive strategy for managing human capital that will create or maintain strategic and competitive value for an organization
- ❖ Plan, evaluate, and manage the financial implications of an organization's global operations
- ❖ Recommend an approach that leverages technology for the strategic advantage of an organization
- ❖ Develop a marketing strategy, including design, implementation, and evaluation, for an organization
- ❖ Create and manage innovative new enterprises and initiatives for an organization

Preparation Recommended for Success

Recommendations

If you need to improve your computing skills, you should take the noncredit course ASC 605. Taking ASC 601 is recommended to improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

Master of Business Administration	
	Credits
Required Foundation Course	6
Required Core Courses	30
Total Credits	36

Required Foundation Course

- PRO 600 Communicating, Problem Solving, and Leading in Professional Fields (6)

Required Core Courses

- MBA 610 Leading Organizations and People (6)
MBA 620 Financial Decision Making (6)
MBA 630 Leading in the Multicultural Global Environment (6)
MBA 640 Innovation Through Marketing and Technology (6)
MBA 670 Strategic Decision Making (6)

Course Sequencing

- ❖ Courses must be taken in the order listed.

Criteria for Program Progression

You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.

Program Accreditation

UMGC has received specialized accreditation for its Master of Business Administration program through the International Accreditation Council for Business Education (IACBE), located at 11374 Strang Line Road in Lenexa, Kansas, USA. IACBE is a specialized accrediting agency recognized by the Council for Higher Education Accreditation.

Cloud Computing Systems

You may earn a graduate certificate or a Master of Science in Cloud Computing Systems. For the related graduate certificate program, see p. 165.

Master of Science in Cloud Computing Systems

The graduate program in cloud computing systems is designed to equip you with the technical and management skills to effectively design, operate, and maintain cloud computing systems and help organizations transition to cloud-based solutions. You'll learn the skills needed to strategically transform an organization's current infrastructure to one that efficiently delivers valuable services via the cloud. Through a broad understanding of cloud technology and its relationship to business processes, including financial management, procurement, and communications, you'll be able to design effective cloud environments—and ultimately become a strong asset in any organization.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Explain cloud computing concepts and applicable benefits to business stakeholders
- ✦ Evaluate and assess the impact of cloud computing on service management
- ✦ Design effective cloud computing solutions that take into account an organization's structure, communications, and operational business processes, as well as financial management and cost model implications
- ✦ Manage the process of migrating and transitioning to a cloud environment
- ✦ Implement cloud computing architecture solutions that address cloud security and compliance fundamentals, deployment automation and elastic sizing of environments, and multitenant implications

Preparation Recommended for Success

Expectations

The cloud computing architecture program is designed for students with academic or professional experience in information technology. This background may be acquired through noncredit preparatory coursework, listed below.

Recommendations

If you do not have any recent IT coursework or experience, it is strongly recommended that you take the noncredit course ASC 605 before taking any cloud computing courses. Taking ASC 601 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you completed your undergraduate degree at UMGU with a major in cybersecurity technology, a vertical pathway between UMGU's undergraduate and graduate programs in that field allows you to earn 6 credits in the Master of Science in Cloud Computing Systems and/or the certificate in Cloud Computing and Networking. Details are on p. 22.

MASTER'S DEGREE PROGRAMS

CLOUD COMPUTING SYSTEMS

Degree Requirements

MS in Cloud Computing Systems	
	Credits
Required Foundation Course	6
Required Core Courses	30
Total Credits	36

Required Foundation Course

DCL 600T Decisive Thinking, Communicating, and Leading in Technology Fields (6)

Required Core Courses

CCS 610 Cloud Services and Technologies (6)
CCS 625 Network Engineering (6)
CCS 630 Cloud Infrastructure Planning, Design, and Configurations (6)
CCS 640 Cloud Computing Implementations and Migrations (6)
CCS 670 Capstone: Cloud Computing Orchestration (6)

Course Sequencing

❖ Courses must be taken in the order listed.

Criteria for Program Progression

You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.

Technology Requirements

Courses in the cloud computing systems program may have computing needs beyond the minimum technology requirements found on p. 2. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the national academic honor society for the computing and information disciplines, is available on p. 40.



UMGC was named a National Center of Academic Excellence in Cyber Defense Education by the National Security Agency and the Department of Homeland Security.



Cyber Operations

You may earn a graduate certificate or a Master of Science in Cyber Operations. For the graduate certificate program, see p. 165.

Master of Science in Cyber Operations

The graduate program in cyber operations is an interdisciplinary technical program designed to provide the knowledge, skills, and abilities required to successfully perform critical cyber operations tasks. Based on the content and curriculum recommendations by the National Centers of Academic Excellence in Cyber Operations (CAE-CO), the program responds to a growing national need driven by increasing threats of global cyberwarfare, for cyber professionals with advanced training in both defensive cybersecurity and offensive cyber actions.

The program features the technologies, techniques, and exercises that help government, military, and law enforcement organizations to conduct collection, exploitation, and analysis, as well as respond to cyber events to enhance the security of our nation, in hands-on labs, projects, and exercises.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Design systems that are based on security design principles and employ multiple layers of protection to meet mission security goals
- ✦ Perform risk assessment to identify risk to an organization and facilitate appropriate responses
- ✦ Develop appropriate cryptographic solutions for a given enterprise architecture scenario
- ✦ Protect networks, hosts, and applications using intrusion detection and prevention systems (IDPS)
- ✦ Mitigate vulnerabilities in the components that make up a system
- ✦ Use virtualization to create multiple simulated environments from a single hardware system to reduce IT expenses
- ✦ Migrate an existing workload to a secure, scalable cloud environment

- ✦ Perform a forensics analysis on artifacts associated with a cyber incident
- ✦ Write high-quality, defect-free software code
- ✦ Perform reverse engineering on software (or malware) of potentially unknown origin to understand functionality, intent, and constraints of the code
- ✦ Explain processes, laws, and issues associated with conducting cyber operations
- ✦ Assume the roles of an adversary and defender in a cyber operations attack scenario to identify and prevent cyber intrusion activities safely, ethically, and within the scope of applicable laws

Academic Preparation

Ideally, you should have recently completed an undergraduate degree in computer science or a related discipline before pursuing this program.

Preparation Recommended for Success

Expectations

You are expected to be familiar with cybersecurity and computer science concepts, to be comfortable developing code in at least one programming language, and to have recently completed an undergraduate technical degree in computer science or a related discipline. Experience performing cybersecurity tasks in a work environment would enhance the learning experience.

Recommendations

If you do not have work experience in information technology, computer science, computer networks, or cybersecurity, you are advised to take ASC 605 first. If you have not taken programming courses previously, you are strongly encouraged to take ASC 609. Taking ASC 601 is recommended to improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you completed your undergraduate degree at UMGCE with a major in cybersecurity technology, a vertical pathway between UMGCE's undergraduate and graduate programs in that field allows you to earn 6 credits toward the Master of Science in Cyber Operations and/or the certificate in Cyber Operations. Details are on p. 22.

MASTER'S DEGREE PROGRAMS

CYBER OPERATIONS

Degree Requirements

MS in Cyber Operations	
	Credits
Required Foundation Course	6
Required Core Courses	30
Total Credits	36

Required Foundation Course

DCL 600T Decisive Thinking, Communicating, and Leading in Technology Fields (6)

Required Core Courses

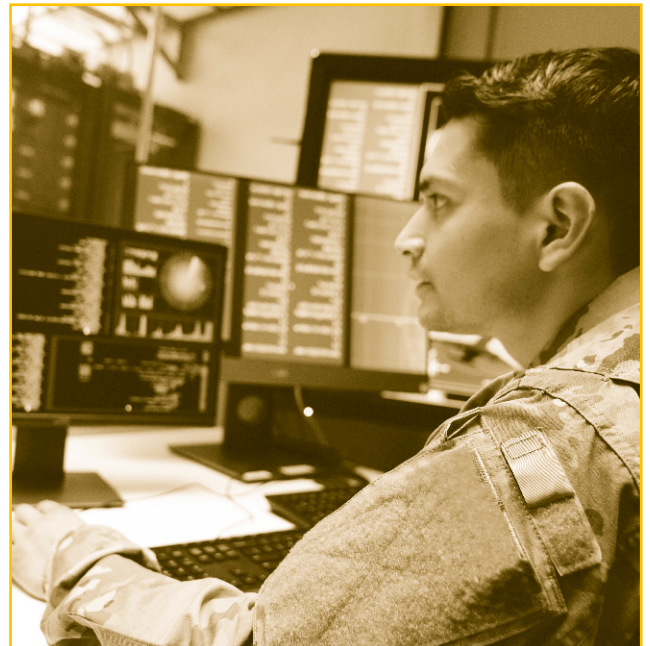
COP 610 Foundations of Cyber Operations (6)
COP 620 Cybersecurity Defense (6)
COP 630 Cyber Law and Digital Forensics (6)
COP 640 Secure Software (6)
COP 670 Capstone in Cyber Offense (6)

Course Sequencing

❖ Courses must be taken in the order listed.

Criteria for Program Progression

You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.



Technology Requirements

Courses in the cyber operations program may have computing needs beyond the minimum technology requirements found on p. 2. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the national academic honor society for the computing and information disciplines, is available on p. 40.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education by the National Security Agency and the Department of Homeland Security.



Cybersecurity Management and Policy

You may earn a graduate certificate or a Master of Science in Cybersecurity Management and Policy. For the graduate certificate program, see p. 165.

Master of Science in Cybersecurity Management and Policy

The graduate program in cybersecurity management and policy can help you gain the tools you need to join the management track in cybersecurity, so you can establish, implement, and oversee a cybersecurity structure for an organization. In this program, you can learn how to create a security approach that combines technology, governance, and compliance perspectives. In addition, you can gain advanced knowledge in organizational structures, communications, operational business processes, and the legal framework for cybersecurity policy.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Understand multinational compliance requirements for cybersecurity
- ✦ Apply risk analysis concepts and models to a variety of organizations
- ✦ Incorporate cybersecurity into numerous organizations, including healthcare and financial services organizations
- ✦ Create and establish cybersecurity frameworks in both the public and private sectors
- ✦ Develop complete cybersecurity incident response plans

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ CompTIA Security+
- ✦ (ISC)² Certified Information Systems Security Professional (CISSP)
- ✦ Project Management Professional (PMP)



Preparation Recommended for Success

Expectations

You are expected to have some background in information technology before pursuing this program. This background may be acquired through noncredit preparatory coursework, listed below.

Recommendations

If you do not have previous coursework or experience in programming, you should first enroll in ASC 605, ASC 609, and ASC 611 to gain the appropriate foundation. Taking ASC 601 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you completed your undergraduate degree at UMGCE with a major in cybersecurity technology, a vertical pathway between UMGCE's undergraduate and graduate programs in that field allows you to earn 6 credits toward the Master of Science in Cybersecurity Management and Policy and/or the certificate in Cybersecurity Management and Policy. Details are on p. 22.

MASTER'S DEGREE PROGRAMS

CYBERSECURITY MANAGEMENT AND POLICY

Degree Requirements

MS in Cybersecurity Management and Policy	
	Credits
Required Foundation Course	6
Required Core Courses	30
Total Credits	36

Required Foundation Course

CBR 600 Communicating, Problem Solving, and Leading in Cybersecurity (6)

Required Core Courses

CMP 610 Foundations in Cybersecurity Management (6)
CMP 620 Cybersecurity Governance (6)
CMP 630 Cybersecurity Risk Management and Organizational Resilience (6)
CMP 640 Cybersecurity Program Development (6)
CYB 670 Capstone in Cybersecurity (6)

Course Sequencing

✦ Courses must be taken in the order listed.

Criteria for Program Progression

You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.

Technology Requirements

Courses in the cybersecurity management and policy program may have computing needs beyond the minimum technology requirements found on p. 2. Please review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the national academic honor society for the computing and information disciplines, is available on p. 40.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education by the National Security Agency and the Department of Homeland Security.



Cybersecurity Technology

You may earn graduate certificate or a Master of Science in Cybersecurity Technology. For the graduate certificate program, see p. 166.

Master of Science in Cybersecurity Technology

In the graduate cybersecurity technology program, you'll develop cybersecurity strategies using interpersonal and leadership skills as part of a diverse and multidisciplinary cybersecurity team to build, configure, monitor, maintain, and secure cybersecurity technology environments and operations. You'll learn how cybersecurity technology underpins the success of organizations. The program offers a wide perspective of the field, providing the understanding of cybersecurity technology needed while balancing the use of people, policy, and technology in shaping the future of cybersecurity.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Tailor digital strategies to the mission of an organization
- ✦ Understand how to balance the use of people, policy, and technology
- ✦ Understand how to analyze, think critically, and improve perpetually
- ✦ Be a cybersecurity technology leader in the modern world
- ✦ Develop a cybersecurity technology strategy for an organization
- ✦ Build cybersecurity technology environments and operations
- ✦ Develop resilient and highly fault-tolerant technology environments
- ✦ Enable organizations to make better business decisions through reliable data analytics and intelligence
- ✦ Perform proactive business risk management and solve problems
- ✦ Develop strategies for mobile, cloud, and emerging environments such as the Internet of Things (IoT)



Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ EC-Counsel Certified Ethical Hacker (CEH)
- ✦ (ISC)² Certified Information Systems Security Professional (CISSP)

Preparation Recommended for Success

Expectations

You are expected to have a strong understanding of information technology, computer networks, databases, and the internet. This background may be acquired through noncredit preparatory coursework, listed below.

Recommendations

If you do not have the expected IT knowledge or experience, you are strongly advised to take the noncredit course ASC 605 first. Taking ASC 601 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you completed your undergraduate degree at UMGU with a major in cybersecurity technology, a vertical pathway between UMGU's undergraduate and graduate programs in that field allows you to earn 6 credits toward the Master of Science in Cybersecurity Technology and/or the certificate in Cybersecurity Technology. Details are on p. 22.

MASTER'S DEGREE PROGRAMS

CYBERSECURITY TECHNOLOGY

Degree Requirements

MS in Cybersecurity Technology	
	Credits
Required Foundation Course	6
Required Core Courses	30
Total Credits	36

Required Foundation Course

CBR 600 Communicating, Problem Solving, and Leading in Cybersecurity (6)

Required Core Courses

CST 610 Cyberspace and Cybersecurity Foundations (6)
CST 620 Prevention of Cyber Attack Methodologies (6)
CST 630 Advanced Cyber Exploitation and Mitigation Methodologies (6)
CST 640 Digital Forensics Technology and Practices (6)
CYB 670 Capstone in Cybersecurity (6)

Course Sequencing

✦ Courses must be taken in the order listed.

Criteria for Program Progression

You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.

Technology Requirements

Courses in the cybersecurity technology program may have computing needs beyond the minimum technology requirements found on p. 2. Please review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the national academic honor society for the computing and information disciplines, is available on p. 40.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security.



Digital Forensics and Cyber Investigation

You may earn a graduate certificate or a Master of Science in Digital Forensics and Cyber Investigation. For the graduate certificate program, see p. 166.

Master of Science in Digital Forensics and Cyber Investigation

The graduate program in digital forensics and cyber investigation is designed to prepare you to meet the growing demand for investigative, leadership, and executive skills in evaluating and managing complex cybersecurity incidents and threats. Learn how to determine whether a digital system has been attacked or compromised, and master reliable methods to identify, preserve, analyze, and present evidence for legal prosecution, administrative proceedings, and business purposes. In this program, you can develop investigative problem-solving skills, contribute to important team deliverables, analyze complex data scenarios, examine digital media for evidentiary artifacts, and write detailed digital forensic examination reports. The applied knowledge and skills you acquire can help government, business, and law enforcement organizations in detecting data breaches, mitigating cyber attacks, establishing attribution, and evaluating evidence of digital crime.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security. UMG is also a designated National Center of Digital Forensics Academic Excellence (CDFAE) institution.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Design procedures at a suspected crime scene to ensure that the digital evidence obtained is not corrupted
- ✦ Conduct hands-on forensic searches to identify intrusion methods
- ✦ Employ rigorous procedures to enable forensic results that can withstand scrutiny in a court of law
- ✦ Explain the operation of digital components
- ✦ Seize, image, deconstruct, and analyze digital media for evidence
- ✦ Prepare professional reports
- ✦ Present digital forensics results in a court of law as an expert witness

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ EC-Council Certified Incident Handler (ECIH)
- ✦ EnCase Certified Examiner (EnCE)
- ✦ GIAC Certified Forensic Analyst (GCFA)
- ✦ GIAC Certified Forensic Examiner (GCFE)
- ✦ GIAC Network Forensic Analyst (GNFA)

Preparation Recommended for Success

Expectations

You are expected to have some background in computing and programming. This background may be acquired through noncredit preparatory coursework, listed below.

Recommendations

If you do not have the expected information technology knowledge or experience, you are strongly advised to take the noncredit course ASC 605. Taking ASC 601 is recommended to help improve writing skills.

Vertical Pathway

If you completed your undergraduate degree at UMG with a major in cybersecurity technology, a vertical pathway between UMG's undergraduate and graduate programs in that field allows you to earn 6 credits toward the Master of Science in Digital Forensics and Cyber Investigation and/or the certificate in Digital Forensics and Cyber Investigation. Details are on p. 22.

MASTER'S DEGREE PROGRAMS

DIGITAL FORENSICS AND CYBER INVESTIGATION

Degree Requirements

MS in Digital Forensics and Cyber Investigation	
	Credits
Required Foundation Course	6
Required Core Courses	30
Total Credits	36

Required Foundation Course

CBR 600 Communicating, Problem Solving, and Leading in Cybersecurity (6)

Required Core Courses

DFC 610 Cyberspace and Cybersecurity Foundations (6)
DFC 620 Digital Forensics Technology and Practices (6)
DFC 630 Digital Forensic Response and Analysis (6)
DFC 640 Advanced Forensics (6)
CYB 670 Capstone in Cybersecurity (6)

Course Sequencing

❖ Courses must be taken in the order listed.

Criteria for Program Progression

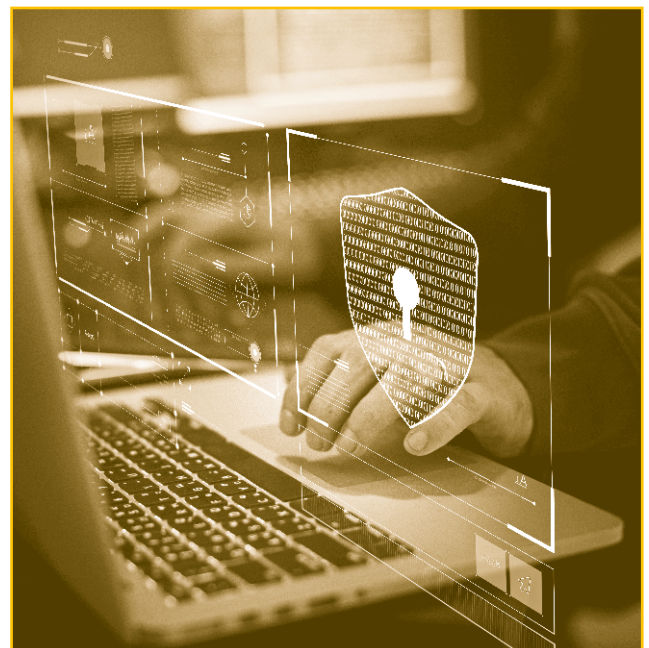
You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.

Technology Requirements

Courses in the digital forensics and cyber investigations program may have computing needs beyond the minimum technology requirements found on p. 2. Please review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the international honor society for the computing and information disciplines, is available on p. 40.



UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security. UMGC is also a designated National Center of Digital Forensics Academic Excellence (CDFAE) institution.



Healthcare Administration

You may earn a graduate certificate in global health management or a Master of Science in Healthcare Administration. For the graduate certificate program, see p. 167.

Master of Science in Healthcare Administration

Healthcare administrators manage complex organizations that serve diverse individual and community needs. The master's degree program in healthcare administration is designed to develop leaders in this dynamic field that touches all of us. In this program, you can gain the expert knowledge, management skills, and strong professional development you need to seize career opportunities and maximize your potential in this era of rapid healthcare transformation.

What You'll Learn

Through your coursework, you'll learn how to

- ✦ Assess different models of healthcare administration while applying best practices, contemporary theories, and critical analysis to assure organizational performance
- ✦ Apply financial management skills and techniques for responding to uncompensated care, cost increases, increased competition, and increased regulation to administrative and managerial processes
- ✦ Use statistical tools to analyze health data for effective managerial and administrative decisions
- ✦ Apply decision-making skills to solve problems of institutional management, organizational development, and intercultural work environments
- ✦ Evaluate information systems for strategic use in healthcare management and administration
- ✦ Evaluate regulatory constraints, provider liability, patient rights, employment law and labor relations, and administrative law for healthcare organizations
- ✦ Analyze the impact of U.S. and global public health issues on healthcare system functionality and community health

- ✦ Assess human resource administrative best practices to meet organizational goals and optimize quality-of-service delivery
- ✦ Apply strategic leadership tools to organize stakeholder commitment and support in meeting healthcare organizational and change management goals

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ Certified in Public Health (CPH)
- ✦ Fellow of the American College of Healthcare Executives (FACHE)

Preparation Recommended for Success

Recommendations

If you lack a recent background in finance or accounting, you should take UCSP 620 before HCAD 640. If you lack a recent background in statistics, you should take UCSP 630 before MGMT 650. Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS IN HEALTHCARE ADMINISTRATION	
	Credits
Required Management Foundation Courses	6
Required Healthcare Administration Courses	33
Required Capstone Course	3
Total Credits	42

MASTER'S DEGREE PROGRAMS

HEALTHCARE ADMINISTRATION

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at
 UMGC (0)

Required Management Foundation Courses

MGMT 615 Organizational Behavior (3)

MGMT 650 Statistics for Managerial
 Decision Making (3)

Required Healthcare Administration Courses

HCAD 600 Introduction to Healthcare
 Administration (3)

HCAD 610 Information Technology for Healthcare
 Administration (3)

HCAD 620 The U.S. Healthcare System (3)

HCAD 625 The Business of Healthcare (3)

HCAD 630 Public Health Administration (3)

HCAD 635 Long-Term Care Administration (3)

HCAD 640 Financial Management for Healthcare
 Organizations (3)

HCAD 645 Strategic Financial Management in
 Healthcare (3)

HCAD 650 Legal Aspects of Healthcare
 Administration (3)

HCAD 660 Healthcare Institutional Organization
 and Management (3)

HCAD 665 Strategic Issues in Healthcare
 Leadership (3)

Required Capstone Course

HCAD 670 Healthcare Administration Capstone (3)

Course Sequencing

- ✦ HCAD 600 and MGMT 615 should be taken as the first courses in the program.
- ✦ MGMT 650 should be taken in the second or third semester.
- ✦ HCAD 620 is prerequisite to HCAD 625.
- ✦ HCAD 640 is prerequisite to HCAD 645.
- ✦ MGMT 650 should not be taken at the same time as HCAD 640 or HCAD 645.
- ✦ You must complete 36 credits before enrolling in HCAD 670.

Honor Society

Information on eligibility for membership in the UMGH chapter of Upsilon Phi Delta, the national academic honor society of the Association of University Programs in Health Administration, is available on p. 40.



Information Technology



You may earn a Master of Science in Information Technology, with a specialization in any one of the following areas:

- ✦ Database Systems Technology
- ✦ Homeland Security Management
- ✦ Informatics
- ✦ Information Assurance
- ✦ Project Management
- ✦ Software Engineering
- ✦ Systems Engineering

Graduate certificates are also available in these subject areas. For certificate program descriptions, see pp. 164-169.

Master of Science in Information Technology: Database Systems Technology Specialization

A specialization in database systems technology can prepare you to meet the demand for data professionals who can manage complex databases for large organizations. You can develop expertise in relational and distributed databases and acquire the newest knowledge in data warehousing, mining, modeling, security, and other sought-after areas of database administration. The program can help prepare you for a number of certifications as you work on real-world projects in a respected graduate program as you build your professional value in this fast-growing field.

For the related graduate certificate program, see p. 166.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Manage, mine, model, and warehouse data
- ✦ Utilize your database administration and security techniques and skills
- ✦ Use ETL for data warehousing
- ✦ Complete projects using Microsoft Project and Microsoft Visio
- ✦ Apply your skills in NoSQL, Oracle 12c, SQL, and UNIX to the professional environment

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ ICCP Certified Data Management Professional (ICCP CDMP)
- ✦ Oracle Certified Associate (OCA)
- ✦ Oracle Certified Professional (OCP)
- ✦ Oracle Database Administration (DBA)

Academic Preparation

If you do not have demonstrated experience or prior coursework in software programming, you may be required to complete UCSP 635.

Preparation Recommended for Success

Recommendations

Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS in Information Technology: Database Systems Technology Specialization	
	Credits
Required Core Courses	12
Required Specialization Courses	24
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

ITEC 625	Computer Systems Architecture (3)
ITEC 626	Information Systems Infrastructure (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Required Specialization Courses

DBST 651	Relational Database Systems (3)
DBST 660	Advanced Data Modeling (3)
DBST 652	Advanced Relational/Object-Relational Database Systems (3)
DBST 663	Distributed Database Management Systems (3)
DBST 665	Data Warehouse Technologies (3)
DBST 667	Data Mining (3)
DBST 668	Database Security (3)
DBST 670	Database Systems Administration (3)

Course Sequencing

- ✦ ITEC 625 and ITEC 626 must be taken as the first two courses.
- ✦ You must complete 6 credits of core coursework before beginning specialization coursework.
- ✦ DBST 651 is prerequisite for all other specialization coursework and may not be taken concurrently with other specialization coursework.
- ✦ You must complete all other specialization coursework before taking DBST 670.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the international academic honor society for the computing and information disciplines, is available p. 40.

Master of Science in Information Technology: Homeland Security Management Specialization

The graduate specialization in homeland security management can help prepare you to take a leadership role in protecting against natural and human-made threats to national security. Gain practical managerial skills in performing security risk assessments; planning for and managing operational recovery; and developing strategies to protect people, facilities, and information-dependent critical infrastructure.

For the related graduate certificate program, see p. 167.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Tackle the five mission areas in homeland security as defined by the U.S. Department of Homeland Security
- ✦ Perform risk assessments
- ✦ Spot ethical and legal issues and navigate the complex legal and regulatory environment related to computer systems, applications, and networks
- ✦ Protect telecommunications and information technology networks
- ✦ Analyze infrastructure protection, jurisdiction, and issues in technical areas such as interconnectivity and interoperability
- ✦ Plan and prepare for disaster response and recovery
- ✦ Apply knowledge about energy pipeline security, electrical grid security, cyber dependence, and SCADA systems, as well as risk methodologies applied to the energy industry
- ✦ Use high-tech management styles, including project planning, organizational structure, team building, and control mechanisms
- ✦ Manage each phase of the IT project life cycle, working within organizational and cost constraints, setting goals linked directly to stakeholder needs, and using proven management tools

Preparation Recommended for Success

Recommendations

If you lack a recent background in finance or accounting, you should take UCSP 620. If you lack a recent background in statistics, you should take UCSP 630. Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you completed your undergraduate degree at UMGC with coursework in homeland security, a vertical pathway between UMGC's undergraduate and graduate programs in that field allows you to reduce your total coursework for a related graduate degree by up to 6 credits (two courses). Details are on p. 22.

Degree Requirements

MS in Information Technology: Homeland Security Management Specialization	
	Credits
Required Core Courses	15
Required Specialization Courses	21
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

ITEC 610	Information Technology Foundations (3)
ITEC 625	Computer Systems Architecture (3)
ITEC 626	Information Systems Infrastructure (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Required Specialization Courses

HSMN 610	Concepts in Homeland Security (3)
HSMN 625	Critical Infrastructures (3)
HSMN 630	Resilience Planning and Preparedness for Disaster Response and Recovery (3)
INFA 660	The Law, Regulation, and Ethics of Information Assurance (3)
BSBD 641	Biosecurity and Bioterrorism (3)
EMAN 620	Information Technology in Emergency Management (3)
HSMN 670	Seminar in Homeland Security (3)

Course Sequencing

- ♦ ITEC 610 must be taken in the first term of coursework.
- ♦ HSMN 610 must be taken as one of the first two specialization courses.
- ♦ HSMN 670 must be taken in your last semester.

Master of Science in Information Technology: Informatics Specialization

The informatics specialization gives you a strong foundation in all major categories of IT management, so you can take your career in any direction you choose. Develop advanced skills in networking, security, software development, databases, web design, and IT acquisitions to become a valuable asset to any industry.

For the related graduate certificate program, see p. 168.

What You'll Learn

Through your coursework, you will learn how to

- ♦ Prepare a plan for managing a software project on time and within budget, solving conflicts as they arise
- ♦ Implement relational databases, applying techniques such as query optimization
- ♦ Create a software requirement document that is aligned with current industry standards and practices
- ♦ Formulate information security measures by performing risk assessments and other approaches
- ♦ Evaluate an acquisition strategy for IT systems, components, and/or services, to determine if it meets an organization's strategic, fiscal, and technical objectives
- ♦ Build dynamic websites that contain a variety of media and interactive components

Preparation Recommended for Success

Recommendations

Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS in Information Technology: Informatics Specialization	
	Credits
Required Core Courses	15
Required Specialization Courses	21
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

ITEC 610	Information Technology Foundations (3)
ITEC 625	Computer Systems Architecture (3)
ITEC 626	Information Systems Infrastructure (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Required Specialization Courses

SWEN 603	Modern Software Methodologies (3)
DBST 651	Relational Database Systems (3)
SWEN 645	Software Requirements (3)
INFA 610	Foundations of Information Security and Assurance (3)
IMAT 637	IT Acquisitions Management (3)
IMAT 639	Internet Multimedia Applications (3)
IMAT 670	Contemporary Topics in Informatics (3)

Course Sequencing

- ✦ ITEC 610 must be taken in the first term of coursework.
- ✦ You must complete 6 credits of core coursework before taking the first specialization course.
- ✦ Currently, IMAT 670 is not available during the summer term.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the national academic honor society for the computing and information disciplines, is available on p. 40.

Master of Science in Information Technology: Information Assurance Specialization

The graduate specialization in information assurance provides you with a practical understanding of the principles of data protection, cybersecurity, and computer forensics. Perfect for midcareer professionals or career changers, the information assurance specialization offers sought-after skills in network and internet security, intrusion detection and prevention, and cryptology, while also strengthening your core IT knowledge and project management abilities.

UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and the Department of Homeland Security.

For the related graduate certificate program, see p. 168.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Secure information using knowledge of symmetric and asymmetric keys, protocols for exchanging secure data (including the Data Encryption Standard and the Advanced Encryption Standard), and other cryptographic methods and cryptanalysis tools
- ✦ Protect networks using risk analysis, defense models, security policy development, authentication and authorization controls, firewalls, packet filtering, virtual private networks (VPNs), and wireless network security
- ✦ Respond to attacks with damage assessments, data forensics, attack tracing, and system recovery processes for continuity of operation
- ✦ Identify system vulnerabilities and attack patterns and solve problems with intrusion detection tactics
- ✦ Navigate ethics, relevant laws, regulations, policies, and standards
- ✦ Lead successful teams with advanced project management skills

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ CompTIA Security+
- ✦ (ISC)² Certified Information Systems Security Professional (CISSP)
- ✦ (ISC)² Systems Security Certified Practitioner (SSCP)

Preparation Recommended for Success

Expectations

You are expected to have some familiarity with Microsoft Excel. You are also expected to have some background in information technology. This background may be acquired through noncredit preparatory coursework, listed below.

Recommendations

If you do not have previous coursework or experience in programming, you are strongly advised to first enroll in UCSP 635 and UCSP 636 to gain the appropriate foundation. Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS in Information Technology: Information Assurance Specialization	
	Credits
Required Core Courses	15
Required Specialization Courses	21
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

ITEC 610	Information Technology Foundations (3)
ITEC 625	Computer Systems Architecture (3)
ITEC 626	Information Systems Infrastructure (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Required Specialization Courses

INFA 610	Foundations of Information Security and Assurance (3)
INFA 620	Network and Internet Security (3)
INFA 630	Intrusion Detection and Intrusion Prevention (3)
INFA 640	Cryptology and Data Protection (3)
INFA 650	Computer Forensics (3)
INFA 660	The Law, Regulation, and Ethics of Information Assurance (3)
INFA 670	Information Assurance Capstone (3)

Course Sequencing

- ✦ ITEC 610 must be taken in the first term of coursework.
- ✦ INFA 610 must be taken as the first specialization course.
- ✦ You must complete all other specialization coursework before taking INFA 670.

Technology Requirements

Courses in the information assurance program may have computing needs beyond the minimum technology requirements found on p. 2. Review the course descriptions to determine the technology requirements for the classes in which you are enrolling.

Program Recognition

UMGC's MS in Information Technology with a specialization in information assurance has been designated a Professional Science Master's degree program through the Council of Graduate Schools.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the national academic honor society for the computing and information disciplines, is available on p. 40.

Master of Science in Information Technology: Project Management Specialization

The project management specialization allows you to build expertise for project management certification within the context of advanced IT management skills. Your specialization courses include project risk management, project procurement management, and advanced project methods, while your core IT courses give you the tools you need to take on leadership roles in today's technology-based work environments.

For the related graduate certificate program, see p. 168.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Appraise the potential and relevance of technology and analytical/quantitative methods to support project management efforts
- ✦ Apply quantitative analytical methods when appropriate to support project management efforts
- ✦ Apply project leadership knowledge and skills essential for creating high-performing teams and effecting organizational transformation that respects and harnesses human capital
- ✦ Formulate ways to apply project management practices, skills, tools, and techniques judiciously and effectively
- ✦ Tailor the project/program approach, methodology, and governance to align with project and organizational characteristics, strategies, and priorities
- ✦ Apply business management skills that amplify a project manager's effectiveness, efficiency, and influence
- ✦ Evaluate how a given project or program interfaces with operations and product and portfolio management
- ✦ Create project/program alignment with the broader project context and environment

MASTER'S DEGREE PROGRAMS

INFORMATION TECHNOLOGY

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ✦ Agile Certified Practitioner (PMI-ACP)
- ✦ Certified Associate in Project Management (CAPM)
- ✦ Certified Scrum Master (CSM)
- ✦ Project Management Professional (PMP)

Each course in this specialization earns you the project management education hours necessary to fulfill the education requirement for qualifying to take the PMP and CAPM certification exams.

Preparation Recommended for Success

Recommendations

Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS in Information Technology: Project Management Specialization

	Credits
Required Core Courses	15
Required Specialization Courses	21
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

ITEC 610	Information Technology Foundations (3)
ITEC 625	Computer Systems Architecture (3)
ITEC 626	Information Systems Infrastructure (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Required Specialization Courses

PMAN 634	Foundations of Project Management (3)
PMAN 635	Project Schedule, Cost, and Resource Management (3)
PMAN 637	Project Risk Management (3)
PMAN 638	Project Communication Management (3)
PMAN 639	Project Quality Management (3)
PMAN 641	Project Procurement Management (3)
PMAN 650	Financial and Strategic Management of Projects (3)

Alternate Credit

If you are certified as a Project Management Professional by the Project Management Institute and your certification is current and valid, you may receive credit for PMAN 634 Foundations of Project Management. Academic advisors can provide more information.

Course Sequencing

- ✦ ITEC 610 must be taken in the first term of coursework.
- ✦ PMAN 634 is prerequisite to all other PMAN courses and must be taken as the first specialization course.
- ✦ PMAN 635 must be taken before PMAN 637, PMAN 639, and PMAN 650.

Program Recognition

UMGC's master's degree programs with project management specializations are accredited by the Project Management Institute Global Accreditation Center for Project Management Education Programs.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the national academic honor society for the computing and information disciplines, is available on p. 40.

Master of Science in Information Technology: Software Engineering Specialization

The software engineering specialization provides software developers with advanced software methodology, design, and coding techniques. You'll learn aspect-oriented programming, object-oriented programming, and the principles and techniques to lead a software development team.

In this specialization, you'll gain hands-on experience performing all functions of building software and develop job-relevant expertise in implementing large software engineering projects within cost and on schedule. The software engineering courses include usability engineering, software design and implementation, software verification and validation, and more.

For the related graduate certificate program, see p. 169.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Write a software requirements document
- ✦ Design software using UML models
- ✦ Develop and test software
- ✦ Apply advanced knowledge in computer systems architecture
- ✦ Manage the schedule of a complex project on time and within budget, solving conflicts as they arise
- ✦ Analyze, design, and implement information systems
- ✦ Plan projects, build teams, and create and modify effective control mechanisms

Preparation Recommended for Success

Expectations

Ideally, you should have a degree and/or professional experience in software development and programming languages. This background may be acquired through noncredit preparatory coursework, listed below.

Recommendations

If you have not had any recent programming coursework or have experience in old programming languages such as COBOL or RPG, you are strongly encouraged to take UCSP 635 and UCSP 636 before taking any SWEN courses. Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS in Information Technology: Software Engineering Specialization	
	Credits
Required Core Courses	9
Required Specialization Courses	27
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

ITEC 625	Computer Systems Architecture (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Required Specialization Courses

SWEN 603	Modern Software Methodologies (3)
DBST 651	Relational Database Systems (3)
SWEN 646	Software Design and Implementation (3)
SWEN 656	Advanced Software Design and Implementation (3)
SWEN 645	Software Requirements (3)
SWEN 647	Software Verification and Validation (3)
SWEN 651	Usability Engineering (3)
SWEN 661	User Interface Implementation (3)
SWEN 670	Software Engineering Project (3)

Course Sequencing

- ✦ SWEN 670 must be taken in the last term of enrollment.

Program Recognition

UMGC's MS in Information Technology with a specialization in software engineering has been designated a Professional Science Master's degree program through the Council of Graduate Schools.

Honor Society

Information on eligibility for membership in the UMGCC chapter of Upsilon Pi Epsilon, the international honor society for the computing and information disciplines, is available on p. 40.

Master of Science in Information Technology: Systems Engineering Specialization

The systems engineering specialization can help you apply traditional and modern life-cycle models, techniques, and tools in the specification, design, development, and deployment of complex systems. The specialization is designed for midcareer professionals with a technical background who are seeking to enhance their skills in systems engineering theory and practice.

You'll study a variety of cases across different application domains to learn the wide scope of systems concepts. Courses include requirements engineering, system design and development, model-based systems engineering, system integration and testing, system engineering management, and more.

For the related graduate certificate program, see p. 169.

What You'll Learn

Through your coursework, you will learn how to

- ❖ Analyze a complex technological challenge from a systems perspective
- ❖ Build appropriate development life-cycle models for different types of projects
- ❖ Design a system and develop approaches for verification, validation, deployment, and support
- ❖ Develop a framework for managing key system engineering activities in a project
- ❖ Construct project requirements for organizational and physical infrastructure
- ❖ Specify appropriate engineering standards for system requirements and design parameters

Industry Certification

This program is designed to help prepare you for the following certification exams, listed in alphabetical order:

- ❖ Certified Professional Requirements Engineer Foundation Level (CPRE FL)
- ❖ Certified Tester Foundation Level (CTFL)
- ❖ International Council on Systems Engineering (INCOSE)

Preparation Recommended for Success

Expectations

Ideally, you should have a degree and/or professional experience in a technical discipline such as engineering or computer science.

Recommendations

Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Degree Requirements

MS in Information Technology: Systems Engineering Specialization	
	Credits
Required Core Courses	12
Required Specialization Courses	24
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

ITEC 625	Computer Systems Architecture (3)
ITEC 626	Information Systems Infrastructure (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Required Specialization Courses

SYSE 610	Systems Engineering Overview (3)
SYSE 620	Requirements Engineering (3)
SYSE 625	Model-Based Systems Engineering (3)
SYSE 630	System Design and Development (3)
SYSE 640	System Integration and Test (3)
SYSE 650	Design Considerations (3)
SYSE 660	Systems Engineering Management (3)
SYSE 670	Systems Engineering Capstone (3)

Course Sequencing

- ❖ ITEC 625 must be taken in the first term of coursework.
- ❖ You must complete 6 credits of core coursework before beginning specialization coursework.
- ❖ Specialization courses must be taken in the order listed.
- ❖ You must take SYSE 670 in your final term.

Honor Society

Information on eligibility for membership in the UMGC chapter of Upsilon Pi Epsilon, the international honor society for the computing and information disciplines, is available on p. 40.

Management

You may earn a Master of Science in Management, with a specialization in one of the following areas:

- ✦ Criminal Justice Management
- ✦ Homeland Security Management

For the related graduate certificate program, see p. 167.

Master of Science in Management: Criminal Justice Management Specialization

In the criminal justice management specialization, you'll obtain advanced knowledge of crime prevention, law enforcement, investigative forensics, and crisis management—as well as strong skills in business management. This specialization can help you learn to effectively manage large teams, departments, and bureaus across the criminal justice profession.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Design criminal justice programs
- ✦ Analyze threats and assess risks
- ✦ Conduct vulnerability studies
- ✦ Apply legal knowledge to criminal justice management
- ✦ Lead and manage organizations
- ✦ Communicate, report, and write professionally and effectively

Preparation Recommended for Success

Recommendations

If you lack a recent background in finance or accounting, you should take UCSP 620 before MGMT 640. If you lack a recent background in statistics, you should take UCSP 630 before MGMT 650. Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you completed your undergraduate degree at UMGC with coursework in criminal justice, a vertical pathway between UMGC undergraduate and graduate programs in that field allows you to reduce your total coursework for the related graduate degree by up to 6 credits (two courses). Details are on p. 21.



Degree Requirements

MS in Management: Criminal Justice Management Specialization

	Credits
Required Core Courses	12
Required Specialization Courses	21
Required Capstone Course	3
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMG (0)

Required Core Courses

MGMT 630 Organizational Theory and Behavior (6)

MGMT 640 Financial Decision Making for Managers (3)

MGMT 650 Statistics for Managerial Decision Making (3)

Required Specialization Courses

CJMS 600 Critical Analysis of the Criminal Justice System (3)

CJMS 610 Perspectives in Law Enforcement Management (3)

CJMS 620 Issues in Correctional Administration (3)

CJMS 630 Seminar in Security Management (3)

CJMS 640 Criminal Justice Intelligence Systems and Approaches (3)

CJMS 650 Legal Aspects Within the Criminal Justice System (3)

CJMS 660 Issues in Criminal Justice Leadership (3)

Required Capstone Course

MGMT 670 Strategic Management Capstone (3)

Alternate Courses

MGMT 610 Organizational Theory (3) and

MGMT 615 Organizational Behavior (3) may be taken instead of MGMT 630.

Course Sequencing

- ✦ MGMT 630 (or MGMT 610) must be taken within the first 6 credits.
- ✦ MGMT 640 should not be attempted simultaneously with MGMT 650.
- ✦ Specialization courses should be taken in the order listed.
- ✦ CJMS 600 must be taken as the first specialization course.
- ✦ CJMS 660 must be taken after all specialization and core courses (except MGMT 670).
- ✦ You must complete 24 credits of program coursework, including all core courses, before enrolling in MGMT 670.

Master of Science in Management: Homeland Security Management Specialization

The graduate specialization in homeland security management prepares you for professional positions concerned with protecting the country against natural and human-made domestic and international threats such as terrorism, transnational crime, and cybercrime and with maintaining cybersecurity, transportation security, intelligence, civil liberties, emerging technology integration, international engagement, and private-sector partnerships and collaboration. In this specialization, you'll attain the requisite knowledge and skills necessary for professional homeland security positions involving cybersecurity; risk and threat assessments; the design and management of operational disaster relief recovery; and the development of strategies essential to the protection of individuals, facilities, and critical infrastructure.

For the related graduate certificate program, see p. 167.

What You'll Learn

Through your coursework, you will learn how to

- ✦ Apply strategies and tactics for managing crisis communications, including the use of current technologies, through a strategic approach to develop community-specific public responses to homeland and national security crisis situations
- ✦ Construct strategies for leading, managing, organizing, and coordinating homeland security operations in concert with federal, state, local, and international governments as well as the private sector
- ✦ Determine potential solutions for homeland security issues by evaluating the laws, authorities, regulations, policies, and ethical considerations as well as emerging political, legal, and policy issues
- ✦ Assess cybersecurity strategies, policies, initiatives, and regulatory compliance, as well as the role of the Cyber Security and Infrastructure Security Agency (CSIA) to defend against cyber attacks and support essential preparedness and disaster support operations
- ✦ Determine specific applications of advanced information and technology systems for protection, response, recovery, and resilience in support of homeland and national security priorities
- ✦ Apply risk methodologies and assessments, resilience planning, organizational theory, and disaster response and recovery principles to manage new and emerging threats against the United States by utilizing critical-thinking and decision-making skills

Preparation Recommended for Success

Recommendations

If you lack a recent background in finance or accounting, you should take UCSP 620 before MGMT 640. If you lack a recent background in statistics, you should take UCSP 630 before MGMT 650. Taking UCSP 605 is recommended to improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you completed your undergraduate degree at UMGC with coursework in homeland security, a vertical pathway between UMGC's undergraduate and graduate programs in that field allows you to reduce your total coursework for a related graduate degree by up to 6 credits (two courses). Details are on p. 22.



Degree Requirements

MS in Management: Homeland Security Management Specialization

	Credits
Required Core Courses	12
Required Specialization Courses	21
Required Capstone Course	3
Total Credits	36

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

MGMT 630 Organizational Theory and Behavior (6)

MGMT 640 Financial Decision Making for Managers (3)

MGMT 650 Statistics for Managerial Decision Making (3)

Required Specialization Courses

HSMN 610 Concepts in Homeland Security (3)

HSMN 625 Critical Infrastructures (3)

HSMN 630 Resilience Planning and Preparedness for Disaster Response and Recovery (3)

INFA 660 The Law, Regulation, and Ethics of Information Assurance (3)

BSBD 641 Biosecurity and Bioterrorism (3)

EMAN 620 Information Technology in Emergency Management (3)

HSMN 670 Seminar in Homeland Security (3)

Required Capstone Course

MGMT 670 Strategic Management Capstone (3)

Alternate Courses

MGMT 610 Organizational Theory (3) and
MGMT 615 Organizational Behavior (3) may be taken instead of MGMT 630.

Course Sequencing

- ✦ MGMT 630 (or MGMT 610) must be taken within the first 6 credits.
- ✦ MGMT 640 should not be attempted simultaneously with MGMT 650.
- ✦ HSMN 610 must be taken as one of the first two specialization courses.
- ✦ HSMN 670 must be taken in your last semester.
- ✦ You must complete 24 credits of program coursework, including all core courses, before enrolling in MGMT 670.

Teaching

You may earn a Master of Arts in Teaching.

Master of Arts in Teaching

The Master of Arts in Teaching (MAT) is designed to prepare culturally responsive and innovative educators by providing initial Maryland teaching certification in a secondary subject area, such as earth/space science, physics, English, mathematics, history, social studies, chemistry, biology, computer science, Spanish, French, German, or Mandarin Chinese. See umgc.edu/professional-licensure for information about professional licensure in this field and contact information for the professional licensure boards in other states.

Whether you're new to teaching, retiring from a previous profession, relocating, returning to the workforce, teaching overseas, or simply seeking a second career that builds on previous study, this program can help you prepare for a rewarding career as an educator.

The Master of Arts in Teaching has program-specific admission requirements (listed on p. 7) that you must meet before enrolling in any program courses.

What You'll Learn

Through your coursework, you'll learn how to

- ✦ Explain intersecting educational inequities that affect a student's social, emotional, and academic development and progress
- ✦ Construct high-quality, universally designed instruction that embeds evidence-based practices and innovative educational technology
- ✦ Apply multiple, valid assessment approaches, both formal and informal, to assess student learning and inform practice
- ✦ Demonstrate professional, culturally responsive, and effective communication skills with students, families, and professional colleagues
- ✦ Incorporate personal reflection, professional feedback, best practice, and expert opinion to establish goals for individual professional growth

Preparation Recommended for Success

Recommendations

Taking UCSP 605 is recommended to help improve your ability to write at the graduate level, thus increasing your prospects for success in your master's degree program.

Vertical Pathway

If you earned a bachelor's degree from UMGC in an appropriate major (computer science, English, history, or social science or a general studies degree with a minimum of a 30-credit specialization in social studies) or have the appropriate coursework (including biology and mathematics coursework) and took EDTP 500 and EDTP 535, you can reduce the total coursework for the MAT degree by up to 12 credits (three courses), including the noncredit introductory course UCSP 615. Details are on p. 22.

Degree Requirements

Master of Arts in Teaching	
	Credits
Required Core Courses	24
Required Professional Internship	6
Total Credits	30

Field Experience

Every course in the MAT program includes field experience components in which you'll develop and practice your knowledge, skills, and dispositions for working effectively with diverse learners. This experience culminates in a full-time, on-site teaching internship of approximately 18 calendar weeks that you complete under the supervision of a mentor teacher who is certified in your content area and a university supervisor.

You will be responsible for following procedures for arranging field experiences and classroom observations within the school district of your choice. While UMGC is able to provide support and assistance in securing field placements, we cannot guarantee that all school districts will grant MAT students permission to enter the classroom. Also, states and local school districts have varying regulations and policies regarding field experiences and student teaching. We recommend that you familiarize yourself with the student teaching requirements for your state and locality.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Core Courses

EDTP 600 Foundations of Teaching for Learning (6)

EDTP 635 Adolescent Development and Learning Needs (6)

EDTP 639 Reading and Multiple Literacies (6)

EDTP 645 Subject Methods and Assessment (6)

Required Professional Internship

EDTP 650 Professional Internship and Seminar (6)

Course Sequencing

- ✦ Courses should be taken in the order listed.
- ✦ EDTP 600 and EDTP 635 may be taken together and must be taken before EDTP 639.
- ✦ EDTP 639 and EDTP 645 may be taken together and must be completed before EDTP 650.
- ✦ EDTP 645 and EDTP 650 are not offered in summer. Availability of these courses is provided online at webapps.umgc.edu/soc/europe/.

Criteria for Program Progression

In accordance with the requirements of the Council for Accreditation of Educator Preparation (CAEP), the MAT program requires that you earn grades of 80 percent (B) or better on major assignments. Therefore, you must complete each course with a grade of B or better to advance to the next course. The grade of C is not acceptable for MAT courses. Your course syllabus will explain options for and consequences of requesting an Incomplete.

Technology Requirements

As a student in the MAT program, you are required to purchase a one-time \$139 subscription (good for seven years) to Tk20 HigherEd before your first class. Tk20 is a comprehensive assessment and management system that supports all education students at UMGC. You may also need access to a webcam/microphone for certain assignments.

Graduation Requirements

Before beginning the professional internship, you must pass a content assessment. To graduate, you must also complete a performance-based teaching portfolio and student learning objectives project and complete the Praxis Performance Assessment for Teachers (PPAT).

Professional Certification

Fulfilling the requirements of the MAT provides eligibility for the Maryland Standard Professional Certificate I (SPC I), which is granted by the graduate education department of the Maryland State Department of Education (MSDE). Other requirements may apply to become certified in Maryland. For more information, visit marylandpublicschools.org/about/pages/dee/certification/index.aspx. The Maryland certification enables you to teach in the state of Maryland once you graduate and provides enhanced opportunities for interstate reciprocity.

Note that while Maryland state certification to teach world languages is valid for grades P–12, the MAT program focuses on teaching at the secondary school level.

Teacher certification requirements are constantly evolving in many states. You are responsible for remaining informed about the teacher certification requirements of the state in which you seek to become certified. You should also confirm requirements and any reciprocity arrangements with the state's certifying agency.

More information about professional licensure is available at umgc.edu/professional-licensure.

Program Accreditation

The graduate education programs at University of Maryland Global Campus have been accredited by the National Council for Accreditation of Teacher Education (now the Council for the Accreditation of Educator Preparation, caepnet.org). This accreditation covers the Master of Arts in Teaching program for initial teacher preparation and the Master of Education in Instructional Technology program at UMGC. However, the accreditation does not include individual education courses that the institution offers to P–12 educators for professional development, relicensure, or other purposes.

This program is also approved by the Maryland Higher Education Commission and by the Maryland State Department of Education as a professional education program leading to state teacher certification in the state of Maryland.

Graduate Certificate Programs

To help you meet your educational goals, UMGC offers certificate programs that respond to current trends in today's demanding job market. Certificate programs offer working adults a convenient, flexible way to earn credentials for potential career advancement. All are available online.

Graduate certificate programs generally require 12 to 18 credits. All courses for the certificate programs carry college credit and may be applied toward a related degree.

More details about certificate programs are available online at europe.umgc.edu/gradcertificates.

Expectations

Within each academic certificate program, UMGC seeks to help you gain specific skills needed to advance in your career. Most certificates are fully stackable, that is, they are part of a more advanced degree program. However, each certificate may also be used as a stand-alone credential.

Requirements

Continuous Enrollment

In general, the UMGC degree requirements that apply to you are those that were in effect when you completed the first credit-bearing course in a given program at UMGC. If you cease to be continuously enrolled, the program requirements that apply to you are those in effect at UMGC when you return to UMGC and enroll in a credit-bearing course for the program you wish to pursue at that time.

To be considered continuously enrolled, you must have had no more than two sequential years of nonenrollment. After two years of nonenrollment, you must apply for admission to resume enrollment. Active duty military should reference UMGC Policy 210.12 for additional information.

If you change your degree program while continuously enrolled, then the program requirements that apply to you are those in effect at the time you enroll in the first required course for that program. Previously completed coursework may not apply to the new requirements.

Information about the catalog year that applies to you is provided in the MyUMGC student portal.

The individual certificate coursework requirements specified in the following section are applicable to students enrolling on or after 1 August 2022.



Overall Requirements

1. You must be admitted as a UMGC student.
2. You may pursue a degree and certificate simultaneously or pursue a degree after completing the certificate.
3. For graduate certificates, no more than 6 credits may be earned through transfer from other schools.
4. You must satisfy all required prerequisites for certificate courses. Some prerequisites may need to be fulfilled before beginning certificate coursework.
5. For graduate certificate programs, you must complete all required coursework with a minimum grade of B (3.0) in all courses.
6. Certificate courses may not be taken pass/fail.
7. Graduate students may only complete certificates at the graduate level.

Time Limits for Graduate Certificates

All requirements established for the completion of a graduate certificate listed in this publication must be fulfilled within five consecutive years. The time limit is calculated from the term in which you successfully complete the first credit course that applies to the program. It does not include the introductory courses CBR 600, DCL 600M, or DCL 600T but does include courses transferred from other institutions.

Second Certificate

If you have earned a certificate from UMGC and want to pursue an additional certificate at UMGC, you must complete at least 12 credits of new coursework to be eligible. No substitutions to the program are available. If the coursework required for one certificate program significantly overlaps with coursework for another certificate program, it may not be possible for you to earn both certificates. In such cases, you will need to choose an alternate program if you wish to complete another credential at UMGC.

Before beginning work toward or registering for a second certificate, consult an academic advisor. Advisors will be glad to explain the requirements and restricted combinations.

Army Credentialing Assistance (CA)

UMGC Europe offers several graduate certificates eligible for Army credentialing assistance (CA) funding, indicated on this page. Contact an academic advisor or visit europe.umgc.edu/armyca or for more information.

We strongly recommend you check with the credentialing institution for the complete requirements of the desired credential.

Additional undergraduate courses are also approved for CA funding. See p. 25 and p. 188 for details.

Program Calendars

Graduate-level courses in acquisition, cybersecurity, and business administration subjects are 6 credit hours each and are offered in a four-term calendar. Online classes are 11 weeks in length.

Graduate-level courses in healthcare, information technology, and management subjects are 3 credit hours each and are offered in a three-term calendar, with five sessions throughout the year. On-site/hybrid classes are eight weeks in length and online classes are 12 weeks in length.

For the annual program calendars, visit europe.umgc.edu/calendars.

UMGC Europe Program Choices

The following graduate certificate programs are available:

- ✧ Acquisition and Contract Management *
- ✧ Cloud Computing and Networking *
- ✧ Cyber Operations *
- ✧ Cybersecurity Management and Policy *
- ✧ Cybersecurity Technology *
- ✧ Database Systems Technology
- ✧ Digital Forensics and Cyber Investigation *
- ✧ Foundations of Information Technology
- ✧ Global Health Management
- ✧ Homeland Security Management
- ✧ Informatics
- ✧ Information Assurance
- ✧ Project Management *
- ✧ Software Engineering
- ✧ Systems Engineering

Acquisition and Contract Management *

The acquisition and contract management certificate program addresses many challenges faced by government contracting for specialized acquisitions, including service, research and development, and information technology contracts.

Overall certificate requirements are listed on p. 163.

Required Courses

DCL 600	Decisive Thinking, Communicating, and Leading (6)
ACM 610	Fundamentals of Acquisition Planning and Cost Price Analysis (6)
ACM 620	Sourcing Decisions and Legal Considerations in Contracting (6)

Total credits for graduate certificate in Acquisition and Contract Management: 18

Course Sequencing

All courses must be taken in the order listed. You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses.

GRADUATE CERTIFICATE PROGRAMS

Cloud Computing and Networking *

In the cloud computing and networking certificate program, you'll master the concepts underlying cloud computing, cloud services, and cloud applications and understand the benefits and risks associated with moving to cloud-based services. You'll learn about different cloud development platforms and the fundamental processes associated with implementing and moving to cloud-based services.

Overall certificate requirements are listed on p. 163.

Required Courses

DCL 600T	Decisive Thinking, Communicating, and Leading in Technology Fields (6)
CCS 610	Cloud Services and Technologies (6)
CCS 625	Network Engineering (6)

Total credits for graduate certificate in Cloud Computing and Networking: 18

Course Sequencing

All courses must be taken in the order listed. You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses.

Cyber Operations * ❖

In the cyber operations certificate program, you'll learn the essential aspects of cyber operations and related areas such as risk analysis, cyber defense, and cryptography. You'll also learn how to build defense as an integral part of a computing system and how to detect and defend against vulnerabilities and intrusions on a variety of platforms.

Overall certificate requirements are listed on p. 163.

Required Courses

DCL 600T	Decisive Thinking, Communicating, and Leading in Technology Fields (6)
COP 610	Foundations of Cyber Operations (6)
COP 620	Cybersecurity Defense (6)

Total credits for graduate certificate in Cyber Operations: 18

Course Sequencing

All courses must be taken in the order listed. You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses.

Cybersecurity Management and Policy * ❖

In the graduate certificate program in cybersecurity management and policy, you'll examine governmental and organizational responses to cybersecurity threats. You'll assess technical and organizational controls that can prevent and detect cyber intrusions and create and assess policies and procedures to restore operations after a cyber attack. You'll explore the legal foundations of cybersecurity as well as the roles of government, international, and private organizations. The program also provides you with a broad analytical framework for evaluating and solving cybersecurity problems. The curriculum features emerging topics in the field and was developed with the help of an advisory board of senior security executives, so what you're learning is on the cutting edge of cybersecurity.

Overall certificate requirements are listed on p. 163.

Required Courses

CBR 600	Communicating, Problem Solving, and Leading in Cybersecurity (6)
CMP 610	Foundations in Cybersecurity Management (6)
CMP 620	Cybersecurity Governance (6)

Total credits for graduate certificate in Cybersecurity Management and Policy: 18

Course Sequencing

All courses must be taken in the order listed. You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses.

❖ *UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and Department of Homeland Security.*



Cybersecurity Technology ★ ❖

The graduate certificate program in cybersecurity technology provides you with the most current knowledge and skills for protecting critical cyber infrastructure and assets. In this program, you'll learn concepts, real-world applications, and practical skills you can apply on the job. The curriculum features emerging topics in the field and was developed with the help of an advisory board of senior security executives, so what you're learning is on the cutting edge of cybersecurity.

Overall certificate requirements are listed on p. 163.

Required Courses

CBR 600	Communicating, Problem Solving, and Leading in Cybersecurity (6)
CST 610	Cyberspace and Cybersecurity Foundations (6)
CST 620	Prevention of Cyber Attack Methodologies (6)

Total credits for graduate certificate in Cybersecurity Technology: 18

Course Sequencing

All courses must be taken in the order listed. You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses.

Database Systems Technology

In this program, prepare to meet the demand for data professionals who can manage complex databases for large organizations. You'll develop expertise in relational and distributed databases and acquire the newest knowledge in data warehousing, mining, modeling, security, and other sought-after areas of database administration.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615	Orientation to Graduate Studies at UMGC (0)
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Required Courses

DBST 651	Relational Database Systems (3)
DBST 652	Advanced Relational/Object-Relational Database Systems (3)
DBST 663	Distributed Database Management Systems (3)
DBST 665	Data Warehouse Technologies (3)
DBST 670	Database Systems Administration (3)

Total credits for graduate certificate in Database Systems Technology: 15

Digital Forensics and Cyber Investigation ★ ❖

In the digital forensics and cyber investigation certificate program, you'll examine the foundations of digital forensics and become familiar with industry-standard tools and procedures that are used in conducting forensics investigations related to cybersecurity. Through this program, you'll learn how to secure and validate digital evidence, recover and analyze digital artifacts, and report and present findings in legal settings.

Overall certificate requirements are listed on p. 163.

Required Courses

CBR 600	Communicating, Problem Solving, and Leading in Cybersecurity (6)
DFC 610	Cyberspace and Cybersecurity Foundations (6)
DFC 620	Digital Forensics Technology and Practices (6)

Total credits for graduate certificate in Digital Forensics and Cyber Investigation: 18

Course Sequencing

All courses must be taken in the order listed. You must complete each course with a grade of B or better to advance to the next course. The grade of C is not available for these courses.

❖ *UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and Department of Homeland Security. UMG is also a designated National Center of Digital Forensics Academic Excellence (CDFAE) institution.*



* Certificate program approved for Army CA (credentialing assistance) funding.

GRADUATE CERTIFICATE PROGRAMS

Foundations of Information Technology

The certificate program provides a general technical understanding of current and emerging technologies in the field. You'll gain familiarity with project and systems engineering concepts and a solid foundation in the economics of information technology. This certificate is ideal for professionals in fields other than IT who want to extend their expertise into the IT environment, as well as for IT professionals who want to expand their theoretical knowledge.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

ITEC 610	Information Technology Foundations (3)
ITEC 625	Computer Systems Architecture (3)
ITEC 626	Information Systems Infrastructure (3)
ITEC 630	Information Systems Analysis, Modeling, and Design (3)
ITEC 640	Information Technology Project Management (3)

Total credits for graduate certificate in Foundations of Information Technology: 15

Global Health Management

The graduate certificate in global health management is designed to help you formulate global health services policies, improve quality of care and service delivery within different national health systems, plan health programs within diverse cultures, and manage global health programs. The curriculum covers international health organizations, health systems and policies in low- and middle-income countries, and management and financial skills.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

HCAD 630	Public Health Administration (3)
GHMT 620	National and International Approaches to Healthcare Delivery (3)
GHMT 640	Strategic Management of Global Health Services (6)

Total credits for graduate certificate in Global Health Management: 12

Homeland Security Management

In the graduate certificate program in homeland security management, you'll gain practical experience in performing security risk assessments, planning for and managing operational recovery, and developing strategies to protect people, facilities, and critical infrastructure.

Your coursework for the graduate certificate in homeland security management covers issues in emergency management, cybersecurity, bioterrorism, and energy security, as well as business management. You'll use real data from real crises in assignments and projects and practice making executive-level decisions.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

HSMN 610	Concepts in Homeland Security (3)
HSMN 625	Critical Infrastructures (3)
HSMN 630	Resilience Planning and Preparedness for Disaster Response and Recovery (3)
INFA 660	The Law, Regulation, and Ethics of Information Assurance (3)
EMAN 620	Information Technology in Emergency Management (3)

Total credits for graduate certificate in Homeland Security Management: 15

Course Sequencing

HSMN 610 must be taken as one of the first two credit-bearing courses in the program.

Informatics

You can strengthen your technical skills as you learn the business of IT by earning a certificate in informatics. The graduate certificate program in informatics gives you a strong foundation in all major categories of IT management and can help you develop advanced skills in networking, security, software development, databases, web design, and IT acquisitions.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

ITEC 610	Information Technology Foundations (3)
ITEC 626	Information Systems Infrastructure (3)
DBST 651	Relational Database Systems (3)
INFA 610	Foundations of Information Security and Assurance (3)
IMAT 637	IT Acquisitions Management (3)

Total credits for graduate certificate in Informatics: 15

Course Sequencing

All courses should be taken in the order listed.



Information Assurance ❖

You can gain a practical understanding of the principles of data protection, cybersecurity, and computer forensics with a graduate certificate in information assurance.

We've developed the information assurance curriculum in conjunction with top employers, so you'll gain real-world experience through interactions with actual organizations and learn job-relevant skills from case studies of real information assurance crises. Your courses feature topics in network and internet security, intrusion detection and protection, cryptology and data protection, and computer forensics.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

INFA 610	Foundations of Information Security and Assurance (3)
INFA 620	Network and Internet Security (3)
INFA 630	Intrusion Detection and Intrusion Prevention (3)
INFA 640	Cryptology and Data Protection (3)
INFA 650	Computer Forensics (3)

Total credits for graduate certificate in Information Assurance: 15

Course Sequencing

INFA 610 must be taken as one of the first two credit-bearing courses in the program.

❖ UMGC was named a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) by the National Security Agency and Department of Homeland Security.



GRADUATE CERTIFICATE PROGRAMS

Project Management *

The graduate certificate program in project management allows you to develop advanced business management skills while building expertise for professional certification in project management. The curriculum is aligned with certifications from the Project Management Institute. Your courses will give you the tools you need to take on leadership roles in today's workplace. You'll also learn relevant skills you can apply on the job immediately.

Each project management course in this program earns you the education hours needed to fulfill the necessary requirements to qualify to take the Project Management Professional (PMP) and Certified in Project Management (CAPM) certification exams.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

PMAN 634 Foundations of Project Management (3)

PMAN 635 Project Schedule, Cost, and Resource Management (3)

PMAN 637 Project Risk Management (3)

PMAN 638 Project Communication Management (3)

PMAN 639 Project Quality Management (3)

Total credits for graduate certificate in Project Management: 15

ALTERNATE CREDIT

If you are certified as a Project Management Professional by the Project Management Institute and your certification is current and valid, you may receive credit for PMAN 634 Foundations of Project Management (3). Advisors can provide more information.

Course Sequencing

- ✦ PMAN 634 is prerequisite to all other PMAN courses and must be taken as the first certificate course.
- ✦ PMAN 635 must be taken before PMAN 637 and PMAN 639.

Software Engineering

The graduate certificate program in software engineering provides software developers with advanced software methodology, design, and coding techniques. You'll learn aspect-oriented programming, object-oriented programming, and the principles and techniques to lead a software development team.

Gain hands-on experience performing all functions of building software and develop job-relevant expertise in implementing large software engineering projects within cost and on schedule.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

SWEN 603 Modern Software Methodologies (3)

SWEN 645 Software Requirements (3)

SWEN 646 Software Design and Implementation (3)

SWEN 647 Software Verification and Validation (3)

SWEN 651 Usability Engineering (3)

Total credits for graduate certificate in Software Engineering: 15

Systems Engineering

You can learn the design, development, and deployment of complex IT systems by earning a certificate in systems engineering. The graduate certificate program in systems engineering helps you gain the skills you need to apply traditional and modern lifecycle models, techniques, and tools in the specification, design, development, and deployment of complex systems.

Overall certificate requirements are listed on p. 163.

Initial Requirement

(to be taken within the first 6 credits of study)

UCSP 615 Orientation to Graduate Studies at UMGC (0)

Required Courses

SYSE 610 Systems Engineering Overview (3)

SYSE 620 Requirements Engineering (3)

SYSE 630 System Design and Development (3)

SYSE 640 System Integration and Test (3)

SYSE 660 Systems Engineering Management (3)

Total credits for graduate certificate in Systems Engineering: 15

* Certificate program approved for Army CA (credentialing assistance) funding.

Field Study Courses



Travel and Learn with Field Study Courses

With a UMGC Europe field study course, you can have a one-of-a-kind learning experience exploring the beautiful sights and rich culture of Europe while earning university credit.

A field study course typically offers 3 credit hours and the same 48 contact hours as other courses, but in an intensive hybrid format combining on-site and online instruction. The course also includes seven adventure-filled days in a European city where the subject matter being studied has its roots. You will visit historical sites and museums, as well as participate in lectures that integrate course concepts with an intense cultural immersion for a unique, hands-on learning experience.

Before enrolling in a field study course, you should contact a UMGC academic advisor to determine how the course may apply toward a specific degree program. The tuition for the course is the same cost per credit as any course. In addition, there is a field study fee which includes lodging, museum tickets and fees, and excursions (see p. 23). Other costs associated with field study courses, which will not be collected by UMGC, include transportation to and from the field study location, meals, and other personal expenses.

The following entries describe the most frequently taught field study courses offered by UMGC Europe.

ARTH 489F Northern Renaissance Art in Brussels and Paris (3)

An examination of artistic developments in the Netherlands and northern France during the 15th and 16th centuries. Emphasis is on painting, but architecture, sculpture, and tapestry are also studied. The relationship between the development of bourgeois communal society and Northern Realism and the artistic exchanges and influences between Italy and the North are explored. Visits to Bruges, Gent, and Antwerp are included. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ARTH 199F or ARTH 489F.

ARTH 489G Renaissance Art in Florence (3)

A study tour of Florence, the birthplace of Renaissance art. The artistic, historical, and cultural milieu into which Renaissance art was born is explored. Museum visits within the city and field trips to Siena, San Gimignano, and Arezzo are included. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ARTH 199G or ARTH 489G.

ARTH 489H Baroque Art in Rome: An Introduction (3)

An exploration of Baroque art in Rome. Topics include the Baroque obsession with death, with space and the heavens; the expression of sensuality; and the Age of Enlightenment's triumph of science over faith. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ARTH 199H or ARTH 489H.

ARTH 489L Picasso in Paris (3)

A study of major developments in modern art, beginning with Cubism and including Expressionism and Surrealism. Focus is on Picasso. The collections in the Picasso Museum, the Pompidou Center, and the Orangerie are explored. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ARTH 199L or ARTH 489L.

ARTH 489M Van Gogh: His Life and Work (3)

An introduction to modern art, focusing on Vincent van Gogh and his influence on modern painting. Topics include Van Gogh's influences and his experiments with color and form. His influence on fauvism, German expressionism, and abstract expressionism is also examined. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ARTH 199M or ARTH 489M.

ENGL 388I Scotland: Culture, Literature, and History (3)

Prerequisite: WRTG 112 or equivalent. A study of the culture of Europe's northernmost Celtic peoples—the Scots. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ENGL 288I or ENGL 388I.

ENGL 388J Dublin, Ireland: A Brief Literary History (3)

Prerequisite: WRTG 112 or equivalent. An introduction to the literary history of Ireland. Emphasis is on poets, dramatists, and fiction writers of the 20th century (Lady Gregory, Yeats, Synge, O'Casey, Beckett, and Joyce). Visits to Trinity College, the Abbey Theatre, St. Stephen's Green, St. Patrick's Cathedral, Christ Church, Dublinia, and a number of important literary museums, as well as attendance at several evening theatre performances are included. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ENGL 288J or ENGL 388J.

ENGL 388Q Hemingway in Madrid (3)

Prerequisite: WRTG 112 or equivalent. A study tour of Madrid's influence upon Ernest Hemingway and his body of work. Students will explore sites within the city that influenced Hemingway, many of which appeared in his novels and short stories. Museum visits within the city are included to examine the works of painters who had an impact on Hemingway's own artistic sensibilities. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: ENGL 288Q or ENGL 388Q.

HIST 218J Battle of the Bulge (1)

A thorough review of the military strategy and tactics leading up to and during the Battle of the Bulge. A visit to the Ardennes battlefield area is included. Students may receive credit for only one of the following courses: HIST 218J or HIST 318J.

HIST 318G D-Day and Normandy Campaign of 1944 (1)

A study of the military strategy and tactics behind D-Day and the Normandy campaign of World War II and their significance. Students may receive credit for only one of the following courses: HIST 218G or HIST 318G.

HIST 317A Berlin: Its History and Art (3)

A detailed exploration of Berlin's history and art since the 17th century. Visits to historic sites, monuments, and museums as well as other locations of interest (such as Potsdam, the Kiez, and No-Man's Land) are included. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: HIST 217A or HIST 317A.

HIST 317B Cultural History of London I (3)

A study of the history, art, and architecture of London from the Roman occupation through the 16th century. Topics include the Norman invasion, the rise of the corporate city of London under the Guilds and Lord Mayor, and the transformation of the city under the Tudors. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: HIST 217B or HIST 317B.

HIST 317C Cultural History of London II (3)

A study of the history, art, and architecture of London from 1603. Topics include the reign of the Stuarts, the Commonwealth, the Restoration, the rebuilding of London by Wren after the great fire, the Glorious Revolution and the Enlightenment, the reign of the Hanover kings, the Regency, the prosperity of London and the Empire, and 20th-century London after World War II. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: HIST 217C or HIST 317C.

HIST 217F/317F History and Culture of Naples (3)

A study of the history of Naples from its founding by Greek colonists in the 5th century B.C. to the present. The successive dynasties who ruled the city (Greek, Roman, Byzantine, Neapolitan, Norman, Hohenstaufen, Angevin, Aragon, Austrian, French, Piedmontese, Fascist) and more recent political groups under the Republic of Italy are surveyed. Three major periods in the city's history are examined in depth: the Angevin period, the Bourbon Kingdom, and post-World War II Naples. Specific sites related to these periods are visited. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: HIST 217F or HIST 317F.

HIST 317J Heidelberg Through the Ages (3)

A study of the geographical, historical, and economic background that created the complex structures of Heidelberg. Topics include relevant monuments and documents of art and architecture and their relation to the cultural and historical developments. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: HIST 217J or HIST 317J.

HIST 317K History of Venice (3)

A historical overview of the Venetian Republic. Topics include its origins in the Venetian lagoon, its permanent location in the Rialto area (circa 800 A.D.), and its fall in 1797. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: HIST 217K or HIST 317K.

HIST 318L A Bridge Too Far: The Market Garden Campaign (1)

A field study of the American and British advance toward Germany after the Normandy invasion in the Operation Market Garden campaign. The aim is to analyze the strengths of the Allied and German armies and evaluate the role of the Market Garden campaign in the course of the war. Topics include competition for resources (such as gasoline), British problems in Antwerp, the combined airborne/armored operation through Holland, and the relationship between Montgomery and Eisenhower. A visit to the Market Garden campaign area in the Netherlands is included. Students may receive credit for only one of the following courses: HIST 218L or HIST 318L.

HIST 319Z The Third Reich and the Rise of Nazism (1)

A field study examination of Germany in the 1920s and 1930s focusing on the emergence and establishment of Nazism. The goal is to describe the conditions that led to the rise of Nazism in Germany and evaluate the main components of the Nazi ideology through a focus on the city of Nuremberg. Topics include the use of media and spectacle to develop and consolidate power. A visit to relevant sites is included.

HUMN 398C Cultural Studies: Cambridge (3)

An introduction to the city and the University of Cambridge. Topics include the origins of the city; the rise of the university and its colleges; the development and function of buildings, chapels, dining halls, gardens, and other academic institutions; and the character of student life during the past and in the present. Assignments include advanced reading and research. Students may receive credit for only one of the following courses: HUMN 198C or HUMN 398C.

Information on Courses

Overview

University of Maryland Global Campus offers courses that are primarily focused on your needs as a student. Courses are carefully selected and scheduled based on input from local education services officers, assessment of the academic and logistical needs of students, and availability of qualified faculty. The most frequently taught courses are listed in this catalog. Courses listed in other UMGC catalogs may also be offered when demand warrants and qualified faculty and academic facilities (laboratory, etc.) are available.

The Unit of Credit

The unit of credit defines the amount of university-level credit to be awarded for course completion, transfer of coursework from another institution, or evaluation of college-level prior learning. One credit is awarded on the basis of one of the following, according to Title 13B of the Code of Maryland Regulations of the Maryland Higher Education Commission:

- ✦ At least 15 hours (50 minutes each) of actual class meeting or the equivalent in guided learning activity (exclusive of registration, study days, and holidays)
- ✦ At least 30 hours (50 minutes each) of supervised laboratory or studio work (exclusive of registration, study days, and holidays)
- ✦ At least 45 hours (50 minutes each) of instructional situations, such as practica, internships, and cooperative education placements, when supervision is ensured and learning is documented
- ✦ Instruction delivered by electronic media based on the equivalent outcomes in student learning, including telelessons, classroom instruction, student consultation with instructors, and readings, when supervision is ensured and learning is documented



Prerequisites

Prerequisites, normally stated in terms of numbered courses, represent the level of knowledge you are expected to have before enrolling in a given course. You may be barred from enrolling in or may be removed from courses for which you do not have the necessary prerequisites. Courses listed as “corequisite” are required, but may be taken at the same time. Taking courses listed as “recommended” is advisable, but not absolutely required.

It is your responsibility to check the prerequisites listed in the course description and make certain that you are academically prepared to take a course. If you did not take the prerequisite course recently, you should consult your academic advisor or the academic department about whether you are sufficiently prepared to perform well in a given course. Faculty members are not expected to repeat material listed as being prerequisite.

For undergraduate courses, prerequisites may also be fulfilled by Prior Learning credit for the appropriate course earned through course challenge assessments or Portfolio Assessment (described earlier in this catalog). Academic advisors can explain the procedures for seeking this credit.

Some courses are not eligible for challenge examination or Portfolio Assessment, and you may not take course-challenge assessments or seek Portfolio Assessment credit for lower-level courses that are prerequisite to courses for which you have already received credit.

WRTG 112 Academic Writing II is prerequisite to any higher-level course in English, communication studies, or writing, as well as many other advanced courses. MATH 107 College Algebra is prerequisite to any higher-level course in mathematics. Many other prerequisites for advanced courses may be found in the course descriptions.

Placement tests are not required for introductory writing (English composition) or mathematics courses (e.g., MATH 103, MATH 105, MATH 107, MATH 115, or STAT 200), nor do these courses require completion of prerequisite coursework.

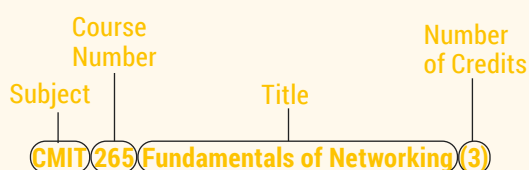
If you have prior language experience in a foreign language, you should take a placement test to assess appropriate level. For information on language placement tests, consult your academic advisor or email the department at languages@umgc.edu.

Key to Course Descriptions

Course descriptions include very important information for you as a student. The courses are listed alphabetically by academic discipline or subject. The number of credits is shown by an Arabic numeral in parentheses—e.g., (3)—after the title of the course.

Course numbers are designated as follows:

- 000-099 Noncredit and institutional credit courses (which do not count toward any degree or certificate)
- 100-199 Primarily freshman-level courses
- 200-299 Primarily sophomore-level courses
- 300-399 Upper-level, primarily junior-level courses
- 400-499 Upper-level, primarily senior-level courses
- 500-599 Senior-level courses acceptable for credit toward some graduate degrees
- 600-898 Graduate-level courses



(Designed to help prepare for the CompTIA Network+ certification exam.)¹ Prerequisite: IFSM 201.² An introduction to networking technologies for local area networks, wide area networks, and wireless networks. The aim is to recognize the type of network design appropriate for a given scenario. Topics include the OSI (open system interconnection) model, security, and networking protocols.³ Students may receive credit for only one of the following courses: CMIT 265 or CMIT 265M.⁴

- 1 Explanatory material, if needed, may
 - ✦ explain course sequence, purpose, or audience
 - ✦ identify courses fulfilling general education requirements
 - ✦ identify courses requiring a special fee, equipment, or materials
- 2 Prerequisites represent the level of knowledge a student should have acquired before enrolling in this course. A prerequisite is usually stated as a specific numbered course; sometimes the prerequisite calls for a specific course "or equivalent experience."
- 3 The course description describes the focus and level of the course.
- 4 Statements beginning "Students may receive credit for only one of the following courses" are designed to avoid course duplication and, therefore, loss of credit. The courses listed are courses that duplicate or significantly overlap content. If a course in the list is not described elsewhere in the catalog, it has changed the designator or number over the years or is not offered at all UMGC locations.

Undergraduate Course Descriptions

The following entries describe the most frequently taught courses offered on-site by UMGC Europe. Requirements pertain only to degrees conferred by UMGC. To determine how these courses may transfer and be applied toward degrees offered by other institutions, you should consult those institutions. Transferability is determined by the receiving institution. In transferring to UMGC—particularly from a community college—you should be careful not to enroll in courses that duplicate your previous studies.

Accounting

ACCT 220 Principles of Accounting I (3)

An introduction to the basic theory and techniques of contemporary financial accounting. The objective is to identify the fundamental principles of accounting, identify and analyze business transactions, prepare financial statements, and communicate this information to users with different needs. Topics include the accounting cycle, transactions, and the preparation of financial statements for single-owner business organizations that operate as service companies or merchandisers. Students may receive credit for only one of the following courses: ACCT 220 or BMGT 220.

ACCT 221 Principles of Accounting II (3)

Prerequisite: ACCT 220. Further study of contemporary accounting practices, with an emphasis on financial and managerial accounting. The goal is to identify and analyze business transactions, define the characteristics of business entities, identify the interdependency of financial statements, employ managerial accounting techniques, and communicate this information to users with different needs. Financial accounting topics include liabilities, equities, investments, and business entities. Managerial accounting topics include job-order and process costing, cost-volume-profit analysis, and budgets. Students may receive credit for only one of the following courses: ACCT 221 or BMGT 221.



ACCT 301 Accounting for Nonaccounting Managers (3)

(May not be applied toward a major in accounting.) A survey of accounting principles relevant in making business decisions on the basis of financial information. The aim is to apply critical thinking skills and ethical principles to accounting issues. Topics include internal controls, financial reporting, analysis of financial statements, and elements of managerial accounting and budgeting. Students may receive credit for only one of the following courses: ACCT 301, MGMT 301, or MGST 301.

ACCT 310 Intermediate Accounting I (3)

(Students should be cautious about enrolling in ACCT 310 or ACCT 311. These are professional courses requiring intensive study and analysis and are not to be undertaken casually. Students who have not taken ACCT 221 within the last two years may have difficulty.) Prerequisite: ACCT 221. A comprehensive analysis of financial accounting topics involved in preparing financial statements for external reporting. The objective is to identify and analyze complex business transactions and their impact on financial statements. Students may receive credit for only one of the following courses: ACCT 310 or BMGT 310.

ACCT 311 Intermediate Accounting II (3)

(A continuation of ACCT 310. Students should be cautious about enrolling in ACCT 310 or ACCT 311. These are professional courses requiring intensive study and analysis and are not to be undertaken casually. Students who have not taken ACCT 310 within the last two years may have difficulty.) Prerequisite: ACCT 310. A comprehensive analysis of financial accounting topics, including preparation of financial statements and external reports. The aim is to identify and analyze complex business transactions and their impact on financial statements. Students may receive credit for only one of the following courses: ACCT 311 or BMGT 311.

ACCT 321 Cost Accounting (3)

Prerequisite: ACCT 221. A study of basic cost accounting concepts. The goal is to apply basic cost accounting concepts, use technology to prepare financial deliverables, evaluate business and financial data, and communicate financial information. Topics include the evaluation of business and financial data to make profit-maximizing decisions, ethics, and corporate social responsibility. Discussion also covers the role of accountants in decision making, cost behavior, and cost planning and control and costing methods, such as standard costing, budgeting, and inventory valuation. Students may receive credit for only one of the following courses: ACCT 321 or BMGT 321.

ACCT 323 Federal Income Tax I (3)

Prerequisite: ACCT 220. Recommended: ACCT 310 and ACCT 311. A study of federal income tax for individuals and other entities. The objective is to identify the legislative process, conduct tax research, evaluate tax implications, and complete an individual tax return. Topics include the legislative process, tax policy, research, and the evaluation of transactions and decisions for planning and compliance. Emphasis is on ethics and professional responsibilities. Students may receive credit for only one of the following courses: ACCT 323 or BMGT 323.

ACCT 326 Accounting Information Systems (3)

Prerequisite: ACCT 221. An introduction to accounting information systems (AIS) concepts. The objective is to evaluate how AIS tools are used to record, process, and analyze financial data; determine how best to integrate AIS tools and processes in a given organization; review and recommend controls to secure AIS applications and processes; and evaluate how technology can be used in AIS applications. Topics include transactional processing concepts and core AIS transactional cycles; basic control frameworks used to secure AIS applications and processes; strategies for implementing or upgrading AIS applications; information technology and accounting standards; and e-commerce and e-business. Students may receive credit for only one of the following courses: ACCT 326, BMGT 320, or BMGT 326.

ACCT 422 Auditing Theory and Practice (3)

Prerequisite: ACCT 311. Recommended: ACCT 326. A study of the auditing profession, audit process, and other assurance and nonassurance services related to the CPA profession. The objective is to design an audit plan, apply audit procedures, evaluate audit findings, and assess the impact of standards and emerging issues. Topics include generally accepted auditing standards, tests of controls and substantive tests, statistical sampling, report forms, and opinions. Various techniques are used to study auditing concepts and practices; these may include the use of problem sets, case studies, computer applications, and other materials. Students may receive credit for only one of the following courses: ACCT 422 or BMGT 422.

ACCT 425 International Accounting (3)

Prerequisite: ACCT 311. A study of accounting in a multinational context. Discussion covers the historical development and current status of international financial reporting standards. The goal is to recognize the influence of politics and culture on the development of accounting systems, prepare financial statements according to international financial reporting standards, and analyze the financial statements of a multinational enterprise. Strategies to manage and hedge against foreign currency exposure are developed. Topics include evolving international accounting and reporting standards, foreign exchange and taxation, intercompany transfer pricing, and emerging issues in international accounting. Students may receive credit for only one of the following courses: ACCT 425 or ACCT 498A.

African American Studies

AASP 201 Introduction to African American Studies (3)

(Fulfills the general education requirement in behavioral and social sciences.) An interdisciplinary study of significant aspects of African American history and culture, emphasizing the development of African American communities from the Middle Passage to the present. The objective is to conduct research, apply critical thinking skills, and articulate diverse historical perspectives in the context of African American history and culture. Topics include definitions of African American identity, influences, and achievements within American culture, as well as issues confronting African Americans. Students may receive credit for only one of the following courses: AASP 100 or AASP 201.

Anthropology

ANTH 101 Introduction to Biological Anthropology (3)

A survey of general patterns in the development of human culture, addressing the biological and morphological aspects of humans viewed in their cultural setting. The aim is to apply anthropological knowledge to understanding human origins and how human populations adapt to the environment. Discussion examines human evolution and adaptation, including biocultural patterns in humans and other primates. Students who complete both ANTH 101 and ANTH 102 may not receive credit for ANTH 340, BEHS 340, or BEHS 341.

ANTH 102 Introduction to Cultural Anthropology (3)

A survey of social and cultural principles inherent in ethnographic descriptions. The objective is to apply anthropological knowledge of human behavior to everyday situations and problems. Students who complete both ANTH 101 and ANTH 102 may not receive credit for ANTH 340, BEHS 340, or BEHS 341.

ANTH 345 World Prehistory and Archaeology (3)

An intermediate-level exploration of world prehistory and archaeology. The goal is to analyze the cultural and subsistence patterns of prehistoric humans and relate these patterns to contemporary human societies and populations. Discussion includes archaeological theories and methods, subsistence strategies, and the application of archaeology to community, regional, and global issues and concerns.

ANTH 346 Anthropology of Language and Communication (3)

An intermediate-level, anthropological study of language, communication, and culture. The aim is to assess how the concepts, approaches, and methods of linguistic anthropology explain communication in changing cultural environments, recognizing how language both shapes and is shaped by culture. Topics include the evolution and history of human language, structural elements of verbal and nonverbal language, language as social action, speech communities, and linguistic diversity in the contemporary world.

Arabic

ARAB 111 Elementary Arabic I (3)

(Not open to native speakers of Arabic; assumes no prior knowledge of Arabic. Students with prior experience with the Arabic language should take a placement test to assess appropriate level.) An introduction to spoken and written modern standard Arabic. The objective is to communicate in Arabic in some concrete, real-life situations using culturally appropriate language and etiquette. Ample practice in Arabic pronunciation and the structures needed for everyday communication are provided.

ARAB 112 Elementary Arabic II (3)

(Not open to native speakers of Arabic; assumes no prior knowledge of Arabic. Students with prior experience with the Arabic language should take a placement test to assess appropriate level.) An introduction to spoken and written modern standard Arabic. The objective is to communicate in Arabic in some concrete, real-life situations, using culturally appropriate language and etiquette. Ample practice in Arabic pronunciation and the structures needed for everyday communication are provided.

Art

ARTT 110 Introduction to Drawing (3)

A hands-on introduction to various drawing media and related techniques. The objective is to translate the three-dimensional world into two dimensions, communicate through a visual medium, and critique visual works of art. Projects are based on nature and still life.

ARTT 152 Basics of Photography (3)

(Access to a digital camera with manual settings is required.) An introduction to basic photographic procedures with an emphasis on composing, taking, and editing photographs. Discussion covers the historical development of photography. Students may receive credit for only one of the following courses: ARTT 152 or PHOT 198.

ARTT 205 Art Appreciation (3)

An introduction to a variety of two- and three-dimensional art forms, with particular emphasis on two-dimensional art. The goal is to examine the elements and principles of design, materials, and techniques used in personal and professional settings. Examples from different media (including illustration; painting with oils, acrylics, and watercolors; and sculpture) are used to consider form, light, color, perspective, and other elements of art.

ARTT 210 Intermediate Drawing (3)

Prerequisite: ARTT 110. A continuing examination of materials and techniques of drawing. The objective is to apply drawing techniques and visual principles to various subjects, communicate through drawing, and critique works of art. More advanced media, compositions, techniques, and subjects are explored. Students may receive credit for only one of the following courses: ARTS 210 or ARTT 210.

ARTT 320 Painting (3)

Prerequisite: ARTT 110. Practice in the basic tools and vocabulary of painting. The goal is to apply an understanding of compositional strategies, visual principles, and basic materials and techniques to produce paintings using oil/watercolor/acrylic paints.

Art History

ARTH 204 Film and American Culture Studies (3)

An introductory study of the relationship between film and American culture. The objective is to improve one's ability to understand a film's message and to expand one's cultural awareness. Discussion covers the way one of our most popular media portrays American culture and influences our interpretation of cultural issues. Various films, filmmaking issues, and representative filmmakers' work are examined. Students may receive credit for only one of the following courses: ARTH 204, AMST 204, or HUMN 204.

ARTH 334 Understanding Movies (3)

(Formerly HUMN 334.) An analysis of one of the most important means of artistic expression of the 20th century. The goal is to acquire a deeper understanding of the aesthetic qualities of film by considering the stylistic elements of film as it has evolved throughout the century and weighing the special relationship between cinema and literature. Students may receive credit for only one of the following courses: ARTH 334, HUMN 334, or HUMN 498D.

ARTH 478 History of Women in Visual Arts (3)

A survey of the work, roles, and representations of women in the visual arts, from the 16th century to the present. The aim is to evaluate the role of women artists and assess the impact of gender on visual arts as a way to understand the complexity and diversity of human experience and culture. Emphasis is on women working in the tradition of Western art in painting, sculpture, the decorative arts, performance art, photography, and other media and on how gender affected their art and their careers.

Astronomy

ASTR 100 Introduction to Astronomy (3)

Prerequisite: MATH 103, MATH 105, STAT 200, or a higher-numbered MATH or STAT course. An examination of the major areas of astronomy. Topics include the solar system, stars and stellar evolution, and galaxies. Current topics in astronomy are also discussed. The objective is to use scientific and quantitative reasoning to make informed decisions about topics related to space science. Students may receive credit for only one of the following courses: ASTR 100, ASTR 101, ASTR 120, or GNSC 125.

ASTR 110 Astronomy Laboratory (1)

(Fulfills the laboratory science requirement only with previous or concurrent credit for ASTR 100. Not for students majoring or minoring in science.) Prerequisite or corequisite: ASTR 100. A laboratory course including experiments, observations, and exercises to illustrate the basic concepts of astronomy, as well as the use of astronomical instruments and tools.

Behavioral and Social Sciences

BEHS 210 Introduction to Social Sciences (3)

Recommended: WRTG 112 or equivalent. An interdisciplinary introduction to the study of society. The objective is to use the combined perspectives of the different social science disciplines to better understand the nature of society. Topics include research methods, ethical considerations in research, and the relationships among the different social sciences. Discussion surveys a range of social sciences. An analysis of social phenomena that integrates insights from the social sciences is also presented. Students may receive credit for only one of the following courses: BEHS 201 or BEHS 210.

BEHS 220 Diversity Awareness (3)

An examination of the many dimensions of diversity within the framework of the social sciences. The aim is to learn how to interact and communicate effectively and appropriately within a diverse society. Emphasis is on using critical thinking to understand stereotypes, prejudice, and discrimination and how these phenomena affect society. Discussion explores how adopting a social science perspective on diversity can help address problems in the workplace, community, culture, and society.

BEHS 250 Social Justice Movements (3)

An introductory study of movements for social justice from an interdisciplinary perspective. The objective is to use the theoretical approaches and concepts of the social sciences to explain the origin, development, evolution, and outcomes of movements both in the U.S. and around the world. Topics include individual and group motivations for engaging in social movements; the use of social media; and ways that movements affect culture, society, and government. Discussion explores justice in the areas of climate, race, and gender, among others.

BEHS 300 Research Methods in the Social Sciences (3)

Prerequisite: BEHS 210 and STAT 200. An introduction to the core concepts, research methods, and skills that apply to work in the social sciences. The goal is to begin the process of conducting social science research. Discussion covers the scientific method, as well as quantitative and qualitative research methods specific to the social science disciplines of psychology, sociology, anthropology, and gerontology. Topics also include reliability and validity of data, correlation versus causality, research ethics, institutional review boards, proposal writing, and the unique contribution of interdisciplinarity in social science research.

BEHS 343 Parenting Today (3)

An overview of critical issues in modern parenting in the United States and the world. Research and theory in family development are applied to practical decision making, using an interdisciplinary perspective and taking into account modern and historical trends such as gender roles, socioeconomic status, and single parenting and the impact of divorce on children. Topics include the role of race and ethnicity in parenting, LGBT parenting, and multigenerational and military families.

BEHS 364 Alcohol in U.S. Society (3)

An interdisciplinary examination of the use and abuse of the drug alcohol from the perspectives of psychology, physiology, sociology, medicine, counseling, law, and public health. The aim is to examine current research and trends in the treatment of alcohol abuse and dependence (including prevention, assessment, and intervention) and to explore the history, etiology, effects, and current treatment practices. The effects of alcohol throughout the lifespan are explored in relation to gender, families, race, age, the workplace, and public safety.

BEHS 453 Domestic Violence (3)

An examination of the complex phenomenon of domestic violence from a multidisciplinary perspective that integrates individual, social, political, cultural/ethnic, economic, legal, and medical viewpoints. The aim is to evaluate research and theoretical models of domestic violence; assess institutional, community, and individual responses to domestic violence; and locate effective resources. Topics include neglect and the physical, emotional, and sexual abuse of children, partners, and the elderly. Discussion also covers response systems and mechanisms to prevent and treat violence. Students may receive credit for only one of the following courses: BEHS 453 or BEHS 454.

BEHS 495 Advanced Seminar in Social Sciences (3)

(Intended as a final, capstone course to be taken in a student's last 15 credits.) Prerequisite: BEHS 300 and completion of all requirements for the social science major. A study of the social sciences that integrates perspectives from various disciplines in the field. The aim is to apply theoretical perspectives and empirical evidence to address complex contemporary social problems and become better consumers and purveyors of knowledge and research. Topics include ethical and professional issues inherent in working in the social sciences and the role of advocacy in promoting social change.

Biology

BIOL 101 Concepts of Biology (3)

(Not open to students majoring in biotechnology or laboratory management.) An introduction to the structure and function of living organisms. The objective is to use knowledge about biological principles and scientific reasoning to make informed decisions about the natural world. Topics include the chemical foundations of life, cell biology, genetics, evolution, ecosystems, and the interdependence of living organisms. Discussion also covers the importance of the scientific method to biological inquiry and the impact of biological knowledge and technology on human societies. Students may receive credit for only one of the following courses: BIOL 101, BIOL 103, BIOL 105, or BSCI 105.

BIOL 102 Laboratory in Biology (1)

(Not open to students majoring in biotechnology or laboratory management. Fulfills the laboratory science requirement only with previous or concurrent credit for BIOL 101.) Prerequisite or corequisite: BIOL 101. A hands-on study of the structure and function of living organisms. The goal is to apply the scientific method and to use scientific and quantitative reasoning to make informed decisions about experimental results in the biological sciences. Laboratory exercises emphasize the scientific method and explore topics such as the chemical foundations of living organisms, cell structure and function, and the classification of organisms. Students may receive credit for only one of the following courses: BIOL 102, BIOL 103, BIOL 105, or BSCI 105.

BIOL 103 Introduction to Biology (4)

(Not open to students majoring in biotechnology or laboratory management or to students who have completed BIOL 101 or BIOL 102. Fulfills the laboratory science requirement.) An introduction to the structure and function of living organisms. The aim is to apply the scientific method and use scientific and quantitative reasoning to make informed decisions about experimental results in the biological sciences. Topics include the chemical foundations of life, cell biology, genetics, evolution, ecosystems, and interdependence of living organisms. Discussion also covers the importance of the scientific method to biological inquiry and the impact of biological knowledge and technology on human societies. Laboratory activities emphasize the scientific method. Students may receive credit for only one of the following: BIOL 101–BIOL 102, BIOL 103, BIOL 105, or BSCI 105.

BIOL 120 General Botany (3)

(Not for students majoring or minoring in science.) A basic study of plant biology emphasizing an ecological approach. Fundamental concepts and processes of plants are covered. The importance of plant life to humans is stressed. Students may receive credit for only one of the following courses: BIOL 120, BOTN 100, BOTN 101, or BOTN 105.

BIOL 121 Botany Laboratory (1)

(Not for students majoring or minoring in science. Fulfills the laboratory science requirement only with previous or concurrent credit for BIOL 120.) Prerequisite or corequisite: BIOL 120. An introduction to the taxonomy, anatomy, and physiology of plants, including examination of their evolutionary and ecological interactions.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

BIOL 160 Human Biology (3)

(Science background not required.) A general introduction to human structure, functions, genetics, evolution, and ecology. The aim is to use scientific reasoning to make informed decisions about topics related to human biology. The human organism is examined from the basic cellular level and genetics, through organ systems, to interaction with the outside world. Discussion also covers pertinent health topics. Students may receive credit for only one of the following courses: BIOL 160 or GNSC 160.

BIOL 161 Laboratory in Human Biology (1)

(Fulfills the laboratory science requirement only with previous or concurrent credit for BIOL 160.) Prerequisite or corequisite: BIOL 160. A laboratory study that uses the human organism as an example to illustrate the concepts underlying the organization and interrelationships of all living organisms.

BIOL 181 Life in the Oceans (3)

An introductory study of the major groups of plants and animals in various marine environments, as well as their interactions with each other and the nonliving components of the ocean. The objective is to use scientific reasoning to make informed decisions about topics related to marine biology. Discussion covers the impact of human activity on life in the ocean and the potential uses and misuses of the ocean. Students may receive credit for only one of the following courses: BIOL 181 or ZOOL 181.

BIOL 182 Marine Biology Laboratory (1)

(Fulfills the laboratory science requirement only with previous or concurrent credit for BIOL 181 or NSCI 110.) Prerequisite or corequisite: BIOL 181 or NSCI 110. An introduction to the environmental and biological factors that affect life in the oceans, including chemical and physical properties such as salinity, oxygen concentration, depth, tides, currents, and light. The investigations may include field exercises examining life in specific habitats, such as coral reefs, estuaries, and intertidal areas.

BIOL 201 Human Anatomy and Physiology I (4)

(Fulfills the laboratory science requirement.) Prerequisite: BIOL 101, BIOL 103, or BIOL 160. A thorough introduction to the anatomy and physiology of the integumentary, skeletal, muscular, and nervous systems of human beings. An overview of cellular physiology is included. Students may receive credit for only one of the following courses: BIOL 201 or ZOOL 201.

BIOL 202 Human Anatomy and Physiology II (4)

(Fulfills the laboratory science requirement.) Prerequisite: BIOL 101, BIOL 103, or BIOL 160. An introduction to the anatomy and physiology of the sensory, cardiovascular, endocrine, lymphatic, respiratory, digestive, excretory, immune, and reproductive systems. Intermediary metabolism and endocrine relationships are also studied. Students may receive credit for only one of the following courses: BIOL 202 or ZOOL 202.

BIOL 211 Environmental Science (3)

A survey of ecological principles as they apply to the interrelated dilemmas of sustainability. Topics include overpopulation, pollution, over-consumption of natural resources, and the ethics of land use. Students may receive credit for only one of the following courses: BIOL 211, BOTN 211, or P BIO 235.

BIOL 212 Environmental Science Laboratory (1)

(For students not majoring in science. Fulfills the laboratory science requirement only with previous or concurrent credit for BIOL 211.) Prerequisite or corequisite: BIOL 211. A laboratory study investigating human interactions with our environment. Scientific objectivity and methodology are employed to gather and analyze data pertaining to the varied and interrelated forms of human environmental impact. Topics explored include principles of ecology, population dynamics, food supply alternatives and impact, sustainable water supplies, energy alternatives, pollution control, greenhouse gases, recycling, and conservation technologies.

BIOL 220 Human Genetics (1)

An introduction to the role of genes in inheritance of traits and genetic diseases and disorders. The goal is to understand how genes affect physical appearance and behavior. Topics include Mendelian and non-Mendelian inheritance of human genetic diseases, human genetic variation, and mechanisms underlying human diseases. Students may receive credit for only one of the following courses: BIOL 220, BIOL 222, or BSCI 222.

BIOL 230 General Microbiology (4)

(For students majoring or minoring in a science. Fulfills the laboratory science requirement.) Prerequisite: BIOL 105 or other introductory biology course with laboratory. An investigation of fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry, and biotechnology are considered. Student may receive credit for only one of the following courses: BIOL 230, BIOL 302, BIOL 331, BIOL 398G, BSCI 223, MICB 200, or MICB 388A.

BIOL 301 Human Health and Disease (3)

(For students majoring in science or nonscience disciplines.) A survey of the mechanisms of disease and their expression in major organ systems of the human body. The goal is to use scientific reasoning to make informed decisions about matters related to human biology and health. Topics include infections, cancer, heart disease, lung disease, diabetes, stroke, malnutrition, poisoning by environmental toxins, stress, inflammation, disorders of the immune system, and aging. Emphasis is on analysis of factors that cause disruption of healthy body functions leading to disease, and on prevention of disease through control of risk factors and early detection. Students may receive credit for only one of the following courses: BIOL 301 or BIOL 398H.

BIOL 302 Bacteria, Viruses, and Health (3)

(For students majoring in science or nonscience disciplines.) An introductory study of the basic structure, genetic and regulatory systems, and life cycles of bacteria and viruses and how they relate to health, infectious disease, and illness. The objective is to apply knowledge of cellular and molecular processes and communicate synthesized knowledge of microbial pathogenesis and disease prevention methods. Students may receive credit for only one of the following courses: BIOL 230, BIOL 302, BIOL 331, BIOL 398G, BSCI 223, MICB 200, or MICB 388A.

BIOL 304 The Biology of Cancer (3)

(For students majoring in science or nonscience disciplines.) An overview of the biological basis of cancer. The goal is to apply knowledge of cancer biology to adopt appropriate lifestyle strategies and evaluate current treatments. The causes, development, and progression of cancer are considered at the level of cell structure and function. The roles of genes and proteins are also examined. Students may receive credit for only one of the following courses: BIOL 304 or GNSC 398C.

BIOL 307 The Biology of Aging (3)

(For students majoring in science or nonscience disciplines.) An overview of the biological basis of aging. The goal is to apply knowledge of the aging process to influence personal lifestyle choices, public health policy, and economic decisions. Topics include typical changes that occur in cells, molecules, metabolism, and structure during the aging process. The development and progression of several diseases associated with aging (including cancer, neurodegenerative diseases such as Alzheimer's and Parkinson's diseases, osteoporosis, and loss of visual acuity and memory) are discussed with respect to the role of genes, proteins, and environmental influences. Students may receive credit for only one of the following courses BIOL 307 or BIOL 398V.

BIOL 320 Forensic Biology (3)

Recommended: BIOL 101, BIOL 103, or BIOL 160. An introduction to the basic principles of biology as applied to the field of forensic science. The aim is to use scientific reasoning to draw conclusions and make decisions about forensic techniques, analyses, and results. Topics include the biological features and characteristics of evidentiary materials, as well as the basic principles of chemistry, cell biology, microbiology, and genetics that underlie forensic analyses.

BIOL 328 Bioethics (3)

Recommended: BIOL 101 and WRTG 112 or equivalent. An introduction to ethical decision making related to human life and health. The aim is to form defensible positions and carefully crafted arguments based on well-supported evidence. Discussion covers reproductive issues, biological research, and healthcare. Emphasis is on scientific and philosophical thinking.

BIOL 398N Wildlife Ecology (3)

Recommended: BIOL 101 or similar introductory biology course. An overview of the history, science, and public policy of wildlife ecology and management. The goals are to distinguish, analyze, and assess the basic characteristics of wildlife populations and habitats, the significance of wildlife biodiversity to natural and human communities, and the role of human perceptions and policies in protecting and restoring wildlife populations. Topics will include biodiversity, conservation, extirpation, extinction, habitat loss, invasive species, pollution, overharvesting, population dynamics, sustainability, and restoration

Business and Management

BMGT 110 Introduction to Business and Management (3)

(For students with little or no business background. Recommended preparation for many other BMGT courses.) An introduction to the fundamental concepts of business management and leadership. The objective is to understand the interrelated dynamics of business, society, and the economy. Discussion covers business principles and practices in the context of everyday business events and human affairs and from a historical perspective.

BMGT 160 Principles of Management (3)

(Formerly MGST 160). An introductory study of the skills required to effectively and efficiently manage employees and workflow within an organization. Focus is on the role of a manager to plan, organize, and control the workload through the development of effective relationships with employees. Topics include the role and function of a manager, motivation strategies, verbal and nonverbal communication skills, employee diversity, problem solving and decision-making skills, and the influence of external organizational forces on work performance.

BMGT 304 Managing E-Commerce in Organizations Planning (3)

A hands-on, project-based introduction to the management of e-commerce organizations. The objective is to identify and demonstrate the unique skills needed to manage a sustainable e-commerce organization. Topics include e-commerce management principles, human resource management, information systems, knowledge management principles, e-marketing, virtual customer and supplier relations, and potential international legal issues. Assignments include project-based case studies that apply skills to modern workday problems.

BMGT 305 Knowledge Management (3)

A practical approach to knowledge management. The aim is to understand the value of knowledge management and the roles of knowledge workers and knowledge managers. Discussion covers how organizations capture, acquire, and share knowledge to maintain corporate memory and to develop collaborative energy. Topics include both formal and informal approaches to knowledge sharing and ways in which organizations use knowledge management techniques for competitive advantage. Students may receive credit for only one of the following courses: BMGT 305 or BMGT 388C.

BMGT 317 Methods of Decision Making and Problem Solving (3)

A practical examination of decision making. The goal is to use a proven framework to generate potential solutions for effective decision making. Discussion covers the cultural impact of decision making, including stakeholders' expectations. Topics also include root cause analysis, risks and uncertainty, critical success factors, key performance indicators, psychological traps, and the steps to assure effectiveness before and after decision implementation. Students may receive credit for only one of the following courses: BMGT 317 or TMGT 310.

BMGT 330 Entrepreneurship and New Venture Planning (3)

Recommended: BMGT 364. An overview of entrepreneurship and planning new business ventures for aspiring entrepreneurs and managers. The objective is to create and present a high-quality business plan for a new venture using marketing research and financial analytical techniques. Topics include profiles of entrepreneurs; benefits, risks, and challenges; financial management; access to capital; and franchising. Students may receive credit for only one of the following courses: BMGT 330, FINC 310, MGMT 330, or SBUS 200.

BMGT 335 Small Business Management (3)

Recommended: BMGT 317. A comprehensive review of the management principles underlying organizational development and growth and business life-cycle segments of emerging enterprises. The goal is to demonstrate an understanding of small business management in a global context, differentiate between micro- and macro-organizational structures, and identify the critical elements of business sustainability. Topics include entrepreneurship, financing/capitalization, innovation, and human resource and strategic planning. Core components of small business management are explored and evaluated through a multifaceted approach.

BMGT 364 Management and Organization Theory (3)

Recommended: BMGT 110. An examination of the four functions of management—planning, organizing, leading, and controlling—with emphasis on the application of management concepts and theories to achieve organizational goals. The aim is to develop strategies, goals, and objectives to enhance performance and sustainability. Topics include ethics, social responsibility, globalization, and change and innovation. Students may receive credit for only one of the following courses: BMGT 364, TEMN 202, TEMN 300, TMGT 301, or TMGT 302.

BMGT 365 Organizational Leadership (3)

Prerequisite: BMGT 110 or BMGT 364. An exploration of leadership as a critical skill for the 21st century, when change occurs rapidly and consistently. The objective is to use leadership theory and assessment tools to evaluate one's own leadership skills. Focus is on the leadership skills needed to develop committed and productive individuals and high-performing organizations. Topics include vision, values, culture, ethics, and the interaction between the organization and the external environment. Students may receive credit for only one of the following courses: BMGT 365, MGMT 300, MGST 310, or TEMN 310.

BMGT 380 Business Law I (3)

(Strongly recommended for students seeking careers as CPAs, lawyers, or managers.) A conceptual and functional analysis and application of legal principles and concepts relevant to the conduct and understanding of commercial business transactions in the domestic and global environments. The aim is to evaluate sources of law, legal process, procedures, and remedies and to analyze tort, criminal, and contractual rights, obligations, liabilities, and remedies in the business environment. Topics include the legal, ethical, and social environments of business; civil and criminal law; agency; types of business organizations; and contracts and sales agreements.

BMGT 392 Global Business (3)

Recommended: BMGT 110. An overview of key concepts and issues relevant to conducting business in the global environment. Emphasis is on applying fundamental knowledge of global business and analyzing and evaluating global business variables for informed decision making. The objective is to analyze property rights, obligations, liabilities, and remedies; evaluate regulations in the business environment; and assess implications of transactions and negotiable instruments in the business environment. Topics include the nature and scope of global business; cultural, political, legal, and economic environments; marketing; trade; and foreign investments. Students may receive credit for only one of the following courses: BMGT 392, MGMT 305, or TMGT 390.

BMGT 464 Organizational Behavior (3)

Prerequisites: BMGT 364 and BMGT 365. Recommended: BMGT 110. An examination of research and theory on the forces underlying the way members of an organization behave and their effect on employee and organizational productivity and effectiveness. The aim is to participate, lead, and manage teams and maximize individual contributions to an organization. Topics include the impact that individual characteristics; group dynamics; and organizational structure, policies, and culture have on employee behaviors and organizational outcomes (i.e., productivity, absenteeism, turnover, deviant workplace behavior, satisfaction, and citizenship).

BMGT 465 Organizational Development and Transformation (3)

Prerequisites: BMGT 364 and BMGT 365. Recommended: STAT 200. An introduction to organizational development (OD)—a systematic process of data collection, diagnosis, action planning, intervention, and evaluation aimed at increasing the effectiveness of the organization and developing the potential of all individuals. The goal is to identify and diagnose organizational problems and opportunities and apply management principles to support organizational change. Students may receive credit for only one of the following courses: BMGT 465, MGMT 398K, MGMT 465, or TMGT 350.

BMGT 484 Organizational Collaboration (3)

Prerequisite: BMGT 364. A theoretical and practical investigation into organizational collaboration. The aim is to define the purpose, types, and use of collaboration by managers in modern organizations and the skills managers require for successful collaborations. Topics include development of skills in team dynamics, factors that foster team cohesion and performance, individual and group virtual collaboration, and decision making.

BMGT 485 Applied Management (3)

(Intended as the final, capstone course for management studies majors, to be taken in the last 15 credits, but appropriate for anyone who aspires to a management position.) Prerequisites: BMGT 317, BMGT 364, BMGT 464 (or BMGT 465), and BMGT 484. An integration and application of managerial skills used in successful organizations. The goal is to integrate previously learned management skills and to apply them to achieve individual and organizational excellence, including the four functions of management, applied decision making, team building, organizational behavior and organizational change.

BMGT 495 Strategic Management (3)

(Access to spreadsheet, word processing, and presentation software required. Intended as a final, capstone course to be taken in a student's last 15 credits.) Prerequisites: BMGT 364, BMGT 365, FINC 330 (or BMGT 340), and MRKT 310. A study of strategic management that focuses on integrating management, marketing, finance/accounting, production/operations, services, research and development, and information systems functions to achieve organizational success. The aim is to apply integrative analysis, practical application, and critical thinking to the conceptual foundation gained through previous study and personal experience. Emphasis is on developing an organizational vision and mission, developing and implementing strategic plans, and evaluating outcomes. Students may receive credit for only one of the following courses: BMGT 495, HMG 430, MGMT 495, or TMGT 380.

BMGT 496 Business Ethics (3)

A study of the relationship of business ethics and social responsibility in both domestic and global settings. The aim is to explore ethical and moral considerations of corporate conduct, social responsibilities, policies, and strategies. Emphasis is on the definition, scope, application, and analysis of ethical values as they relate to issues of public and organizational consequence and business decision making in the domestic and global business environments.

Career and Academic Planning

CAPL 398A Career Planning Management (1)

A survey of strategies for managing career change. Focus is on examining, evaluating, and assessing individual skill sets; networking; and researching career and economic markets. The objective is to formulate a career path and develop the resources needed to enter that path. Topics include resume and cover letter development, interviewing techniques, negotiation strategies, and tools for ongoing career planning.

CAPL 495 General Studies Capstone (3)

(Intended as a final, capstone course to be taken in a student's last 15 credits.) The analysis and evaluation of knowledge and skills gained from previous study. A capstone project connects an area of study to a real-world scenario and includes the presentation of a portfolio linking one's experience with personal and professional goals.

Chemistry

CHEM 103 General Chemistry I (4)

(For students majoring or minoring in a science; not appropriate for nonscience students fulfilling general education requirements. Fulfills the laboratory science requirement.) Prerequisite: MATH 107. The first course in chemistry intended for students majoring or minoring in science. A study of the nature and composition of matter. Elements, inorganic compounds, and chemical calculations are covered. Students may receive credit for only one of the following courses: CHEM 102, CHEM 103, CHEM 105, CHEM 107, or CHEM 121.

CHEM 113 General Chemistry II (4)

(For students majoring or minoring in a science; not appropriate for nonscience students fulfilling general education requirements. Fulfills the laboratory science requirement.) Prerequisite: CHEM 103 or CHEM 105. A study of kinetics; homogeneous, heterogeneous, and ionic equilibria; oxidation/reduction reactions; electrochemistry; and chemistry of the elements. Students may receive credit for only one of the following courses: CHEM 113 or CHEM 115.

CHEM 121 Chemistry in the Modern World (3)

(For students not majoring or minoring in science.) An exploration of chemistry as it relates to human life and the environment. The goal is to use a working knowledge of chemical principles, scientific reasoning, and quantitative reasoning to make informed decisions about health and safety matters. Discussion examines natural processes and human factors in the modern world using the principles of chemistry and the scientific method. Students may receive credit for only one of the following courses: CHEM 102, CHEM 103, CHEM 104, CHEM 105, CHEM 107, CHEM 121, CHEM 297, or GNSC 140.

CHEM 122 Laboratory Chemistry (1)

(Fulfills the laboratory science requirement.) Prerequisite or corequisite: CHEM 121. May not be used to satisfy the lab science requirement without credit for CHEM 121. Laboratory experimentation illustrating chemical principles and applications in the modern world. Students may receive credit for only one of the following courses: CHEM 103, CHEM 104, CHEM 113, CHEM 122, CHEM 233, CHEM 243, or CHEM 245.

Communication Studies

COMM 200 Military Communication and Writing (3)

(Fulfills the general education requirement in communications.) A study of business communication management in a military context. The objective is to develop appropriate and effective communication products for military audiences and within military environments through the application of accepted business communication practices. Topics include communication theories; research methods; organization of information; formats; writing and editing strategies; and techniques for guiding subordinate communication, conducting interviews, and managing meetings. Assignments may include making speech presentations; instructing a class; conducting interviews; managing meetings; and writing and editing reports, letters, emails, proposals, and personnel evaluations.

COMM 202 Media and Society (3)

(Fulfills the general education requirement in communications but is not a writing course.) Prerequisite: WRTG 112 or equivalent. An overview of the complex components and relationships involved in today's media. The goal is to understand the technical, political, economic, cultural, and organizational influences on mediated messages. Topics include visual rhetoric, legal and ethical issues, social media, the transactional model, advertising, security, and privacy concerns.

COMM 207 Understanding Visual Communication (3)

A study of the creation and interpretation of visual language. The aim is to understand how images are used to effectively communicate ideas in a variety of channels, including news, advertising, and public relations. Topics include aesthetics, principles of composition, color systems, content awareness, and historical and cultural perspectives. Emphasis is on critical thinking and analysis of images from both theoretical and practical perspectives.

COMM 300 Communication Theory (3)

(Fulfills the general education requirement in communications but is not a writing course.) Prerequisite: WRTG 112 or equivalent. An introduction to communication theory. The objective is to apply communication theory and evaluate communication situations. The basic theories of human communication, mass communication, and new media and technology are explored. Focus is on the relationships among communication theory, research, and practice. Topics include intra- and interpersonal communication, public communication, mass media, and contemporary issues associated with mediated communication.

COMM 302 Mass Communication and Media Studies (3)

(Fulfills the general education requirement in communications but is not a writing course.) Prerequisite: WRTG 112 or equivalent. A survey of mass communication designed to enhance media literacy. The goal is to interpret, evaluate, and produce media messages. Topics include media industries and the impact of the media, as well as regulation, policy, and ethical issues. Emphasis is on critical thinking and analysis of vital aspects of pervasive elements of popular culture, such as news, advertising, children's entertainment, and a free press. Students may receive credit for only one of the following courses: COMM 302 or COMM 379A.

COMM 390 Writing for Managers (3)

(Fulfills the general education requirement in communications.) Prerequisite: WRTG 112 or equivalent. A practicum in the kinds of communication skills that managers need for the workplace. The goal is to develop persuasive managerial communication for organizational decision making and action. Students may receive credit for only one of the following courses: COMM 390, HUMN 390, WRTG 390, or WRTG 490.

Computer and Information Science

Courses in computer and information science (except CMIS 102 and CMIS 111) have higher computing requirements than the minimum technical requirements stated on p. 2. They require an Intel Core i7 processor or higher, with speeds of 2GHz and at least 8GB RAM (16GB recommended).

CMIS 102 Introduction to Problem Solving and Algorithm Design (3)

A study of techniques for finding solutions to problems through structured programming and step-wise refinement. The objective is to design programs using pseudocode and implement them in an appropriate programming language. Hands-on practice in debugging, testing, and documenting is provided. Topics include principles of programming, the logic of constructing a computer program, and the practical aspects of integrating program modules into a cohesive application. Algorithms are used to demonstrate programming as an approach to problem solving. Students may receive credit for only one of the following courses: CMIS 102, CMIS 102A, or CMSC 101.

CMIS 111 Social Networking and Cybersecurity Best Practices (3)

A hands-on study of current social networking applications and approaches to protect against cyber attacks and enhance personal cybersecurity. The goal is to collaborate and interact through personal and professional social networking while developing and using computer security best practices. Discussion covers issues associated with the impact of social computing on individuals and society. Projects include creating and maintaining accounts on selected social networking sites.

CMIS 141 Introductory Programming (3)

(Not open to students who have taken CMIS 340. The first in a sequence of courses in Java.) Prerequisite: CMIS 102 or prior programming experience. Recommended: MATH 107. A study of structured and object-oriented programming using the Java language. The goal is to design, implement, test, debug, and document Java programs, using appropriate development tools. Projects require use of algorithms, simple data structures, and object-oriented concepts. Students may receive credit for only one of the following courses: CMIS 141, CMIS 141A, or CMSC 130.

CMIS 242 Intermediate Programming (3)

Prerequisite: CMIS 141. Further study of the Java programming language. The objective is to design, implement, test, debug, and document Java programs, using appropriate development tools. Topics include object-oriented design, event-driven programming, exceptions, recursion, arrays, and data structures.

CMIS 310 Computer Systems and Architecture (3)

(Not open to students who have completed CMSC 311.) Prerequisite: CMIS 115, CMIS 125, or CMIS 141. A study of the fundamental concepts of computer architecture and factors that influence the performance of a system. The aim is to apply practical skills to computer systems architecture. Topics include data representation, assembly language, central processing unit architecture, memory architecture, and input/output (I/O) architecture. Students may receive credit for only one of the following courses: CMIS 270, CMIS 310, CMSC 311, or IFSM 310.

CMIS 320 Relational Database Concepts and Applications (3)

Prerequisite: CMIS 102 or CMIS 141. A study of the functions, underlying concepts, and applications of enterprise relational database management systems (RDBMS) in a business environment. The aim is to appropriately use databases to meet business requirements. Discussion covers entity/relationship diagrams, relational theory, normalization, integrity constraints, the Structured Query Language (SQL), and physical and logical design. Business case studies and projects include hands-on work using an industry-standard RDBMS. Students may receive credit for only one of the following courses: CMIS 320 or IFSM 410.

CMIS 330 Software Engineering Principles and Techniques (3)

Prerequisite: CMIS 115, CMIS 125, or CMIS 141. A study of software engineering from initial concept through design, development, testing, and maintenance of the product. Discussion covers software development life-cycle models. The goal is to analyze, customize, and document multiple processes to solve information technology problems. Topics include configuration management, quality, validation and verification, security, human factors, and organizational structures. Students may receive credit for only one of the following courses: CMIS 330 or CMIS 388A.

Computer Information Technology

Courses in computer information technology (designated CMIT) have higher computing requirements than the minimum technical requirements stated on p. 2. They require an Intel Core i7 processor or higher, with speeds of 2GHz and at least 6GB of available disk space, and at least 16GB RAM (32GB recommended). Display devices should have a resolution of 1920 X 1080 or better (PCs) or 1440 X 900 retina display (Mac).

CMIT 202 Fundamentals of Computer Troubleshooting (3)*

(Designed to help prepare for the CompTIA A+ exams.) Prerequisite: IFSM 201. A thorough review of computer hardware and software, with emphasis on the application of current and appropriate computing safety and environmental practices. The goal is to evaluate, install, configure, maintain, and troubleshoot computer hardware components and operating systems.

CMIT 265 Fundamentals of Networking (3)*

(Designed to help prepare for the CompTIA Network+ certification exam.) Prerequisite: IFSM 201. An introduction to networking technologies for local area networks, wide area networks, and wireless networks. The aim is to recognize the type of network design appropriate for a given scenario. Topics include the OSI (open system interconnection) model, security, and networking protocols. Students may receive credit for only one of the following courses: CMIT 265 or CMIT 265M.

CMIT 291 Introduction to Linux (3)*

(Designed to help prepare for the CompTIA Network+ certification exam.) Prerequisite: IFSM 201. An introduction to networking technologies for local area networks, wide area networks, and wireless networks. The aim is to recognize the type of network design appropriate for a given scenario. Topics include the OSI (open system interconnection) model, security, and networking protocols. Students may receive credit for only one of the following courses: CMIT 265 or CMIT 265M.

CMIT 320 Network Security (3)*

(Designed to help prepare for the CompTIA Security+ exam.) Prerequisite: CMIT 265, CSIA 302, or CompTIA Network+ certification. A study of the fundamental concepts of computer security and its implementation. The aim is to assess and mitigate risk, evaluate and select appropriate technologies, and apply proper security safeguards.

CMIT 321 Ethical Hacking (3)*

(Formerly CMIT 398E. Designed to help prepare for the EC-Council Certified Ethical Hacker certifications.) Prerequisite: CMIT 320. Development of the structured knowledge base needed to discover vulnerabilities and recommend solutions for tightening network security and protecting data from potential attackers. Focus is on penetration-testing tools and techniques to protect computer networks. Students may receive credit for only one of the following courses: CMIT 321 or CMIT 398E.

CMIT 326 Cloud Technologies (3)*

(Designed to help prepare for the CompTIA Cloud+ and AWS Certified Cloud Practitioner certification exams.) Prerequisite: IFSM 201. A hands-on study of basic cloud technologies. The aim is to apply the techniques and tools used in cloud environments, especially the AWS (Amazon Web Services) cloud. Topics include the global infrastructure of the cloud, deployment and operation in various cloud environments, high availability, scalability, elasticity, security, and troubleshooting. AWS, Microsoft Azure, and Google Cloud are compared.

CMIT 351 Switching, Routing, and Wireless Essentials (3)

(Designed to help prepare for the Cisco Certified Network Associate [CCNA] certification examination. Course completion earns a Cisco-issued digital badge on the Acclaim credentials platform.) Prerequisite: CMIT 265. A hands-on introduction to Cisco internetworking devices. Focus is on switching technologies and router operations that support small to medium business networks, including wireless local area networks (WLAN) and security concepts. The goal is to perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN. Students may receive credit for only one of the following courses: CAPP 498E, CMIT 350, CMIT 351, or CMIT 499D.

* Course approved for Army CA (credentialing assistance) funding.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

CMIT 352 Enterprise Networking, Security, and Automation (3)

(Designed to help prepare for the Cisco Certified Network Associate [CCNA] certification examination. Course completion earns a Cisco-issued digital badge on the Acclaim credentials platform.) Prerequisite: CMIT 351. A hands-on introduction to Cisco internetworking devices. Focus is on the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. Topics include wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access along with the introduction of software-defined networking, virtualization, and automation concepts that support the digitalization of networks. Students may receive credit for only one of the following courses: CAPP 498E, CMIT 350, CMIT 352, or CMIT 499D.

CMIT 382 Managing Microsoft 365 Identity (3)

(Designed to help prepare for the Microsoft 365 Certified: Enterprise Administrator Expert certification examination.) Prerequisite: CMIT 380. An introduction to Microsoft 365 identity and services. The aim is to demonstrate ability to design and implement Microsoft 365 services, manage user identity and roles, manage access and authentication, and plan Microsoft 365 workloads and applications. Students may receive credit for only one of the following courses: CMIT 371 or CMIT 382.

CMIT 421 Threat Management and Vulnerability Assessment (3)*

(Designed to help prepare for the CompTIA Cybersecurity Analyst (CySA+) certification.) Prerequisite: CMIT 320. A study of the analysis of data in threat and vulnerability management. The goal is to properly utilize various cybersecurity tools and technologies. Discussion covers the analysis of threats and the impact on incident response, as well as the tools and equipment used in a forensic investigation. Various industry and government frameworks and regulatory compliance are highlighted.

CMIT 422 Managing Microsoft 365 Security (3)

(Designed to help prepare for the Microsoft 365 Certified: Enterprise Administrator Expert certification examination.) Prerequisites: CMIT 320 and CMIT 382. A study of the three key components of Microsoft 365 services: Microsoft 365 security management, Microsoft 365 compliance management, and Microsoft 365 device management. Examination covers threat vectors and data breaches facing today's organizations and key elements of compliance management, such as data governance, data archiving and retention, and data loss prevention. The aim is to gain knowledge in managing all aspects of device management, including comanagement, Windows Autopilot, Windows Analytics, and Mobile Device Management. Students may receive credit for only one of the following courses: CMIT 373 or CMIT 422.

CMIT 424 Digital Forensics Analysis and Application (3)

(Designed to help prepare for the Certified Computer Examiner [CCE] certification exam.) Prerequisites: Either CMIT 202 (or CompTIA A+ certification) and CCJS 421 or CMIT 202, CMIT 320 (or CompTIA Security+ certification), and CCJS 321. A project-driven study of the digital forensic evaluation process. The objective is to build forensic workstations, collect evidence, extract artifacts, identify unknown files, and reassemble evidence from network packet captures.

CMIT 460 Network Forensics (3)

(Designed to help prepare for the Computer Security Incident Handler [CSIH] certification.) Prerequisites: CMIT 320 and CMIT 424. A project-driven study of networks from a forensics perspective. The goal is to implement various techniques that are used in forensic investigations in response to network intrusions to collect and analyze information from computer networks.

Computer Science

Courses in computer science (except CMSC 150) have higher computing requirements than the minimum technical requirements stated on p. 2. They require an Intel Core i7 processor or higher, with speeds of 2GHz and at least 8GB RAM (16GB recommended).

CMSC 150 Introduction to Discrete Structures (3)

Prerequisite or corequisite: MATH 140. A survey of fundamental mathematical concepts relevant to computer science. The objective is to address problems in computer science. Proof techniques presented are those used for modeling and solving problems in computer science. Discussion covers functions, relations, infinite sets, and propositional logic. Topics also include graphs and trees, as well as selected applications. Students may receive credit for only one of the following courses: CMSC 150 or CMSC 250.

CMSC 307 Artificial Intelligence Applications (3)

(No programming or math background required.) An interactive, hands-on study of current artificial intelligence (AI) applications spanning multiple disciplines and domains, including business, science, communications, and computing. The goal is to use datasets with AI and machine learning applications from leading cloud vendors, including Amazon and Microsoft. Projects and laboratory exercises demonstrate how AI can be used to solve problems across a wide variety of disciplines.

Computer Studies

Certain computer studies courses (CMST 308, CMST 310, CMST 311, CMST 315, CMST 320, CMST 325, CMST 330, CMST 331, CMST 341, and CMST 351) have higher computing requirements than the minimum technical requirements stated on p. 2. They require an Intel Core i7 processor or higher, with speeds of 2GHz or faster, at least 6GB of available disk space, and at least 16GB RAM (32GB recommended). Display devices should have a resolution of 1920 X 1080 or better (PCs) or 1440 X 900 retina display (Mac).

CMST 100B Word Processing (1)

(Not open to students who have completed CMST 303.) An introduction to word processing. The goal is to use word processing applications effectively to produce professional documents for business and personal communication. Topics include creating, formatting, and editing word-processing documents. Hands-on practice with industry-standard word-processing software is provided. Students may receive credit for only one of the following courses: CAPP 100B, CMST 100B, CAPP 103, or CMST 103.

CMST 100D Presentation Graphics (1)

(Not open to students who have completed CMST 303.) An introduction to the principles of presentation graphics. The goal is to use presentation graphics applications effectively to produce electronic presentations for professional and personal communication. Topics include planning and creating effective presentations. Hands-on practice with industry-standard presentation graphics software is provided. Students may receive credit for only one of the following courses: CAPP 100D, CMST 100D, CAPP 103, or CMST 103.

CMST 100F Database Applications (1)

(Not open to students who have completed CMST 303.) An introduction to database systems, their terminology, and the principles of database management. The goal is to use database management applications effectively to create professional databases. Topics include how best to organize, manage, and access stored data; how to protect databases; and how to extract useful information. Hands-on practice with industry-standard database software is provided. Students may receive credit for only one of the following courses: CAPP 100F, CMST 100F, CAPP 103, or CMST 103.

CMST 100G Spreadsheet Applications (1)

(Not open to students who have completed CMST 303.) An introduction to the use of electronic spreadsheets to analyze numerical data, including basic terminology, formats, and other applications. The goal is to use spreadsheet applications to produce professional electronic spreadsheets effectively for business and personal use. Hands-on practice with industry-standard spreadsheet software is provided. Students may receive credit for only one of the following courses: CAPP 100G, CMST 100G, CAPP 103, or CMST 103.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

CMST 290 Introduction to Interactive Design (3)

An introduction to the principles, practices, techniques, and theories that govern the use of programming languages in the design and development of digital media. The objective is to effectively use proven programming theory to support digital media design for print, web, and mobile devices. Topics include the logic of constructing a computer program, the practical aspects of integrating program modules as a unified whole, the use of algorithms as an approach to problem solving, and the basic features of object-oriented languages. Projects involve creation of pseudo code and actual code.

CMST 295 Fundamentals of Digital Design (3)

An overview of the principles, practices, techniques, and theories that govern the design and development of digital media in web technology, digital design, and motion graphics. The goal is to effectively follow proven design theory in creating digital media for print, web, and mobile devices. Topics include usability, accessibility, ethics, and emerging technologies. Career paths in the digital media industry are analyzed.

CMST 301 Digital Media and Society (3)

A survey of technological advancements in the field of digital media and their impact. The objective is to explain how digital media has transformed the communication of ideas in society and to make responsible choices in the creation and consumption of digital media based on awareness of global, social, ethical, and legal contexts. Topics include social media, the visual display of information, ethics and privacy, participatory media, and the impact of digital media on culture.

CMST 303 Advanced Application Software (3)

Prerequisite: Extensive experience with office application software, including word processing, spreadsheet, presentation, and database programs. A hands-on, project-based survey of advanced features of office application software. The aim is to use advanced application features to produce documents for professional and personal communication. Topics include information systems, application integration, computer hardware and software, storage, and networking. Students may receive credit for only one of the following courses: CAPP 303 or CMST 303.

CMST 308 User Experience and Interface Design (3)

A hands-on, project-based introduction to user experience (UX) and interface design (UI). An introduction to design thinking and the basic practices of user experience, interface, and interaction design. A study of a user-centric, systematic, data driven design process that includes research, concept generation, prototyping, and refinement. The goal is to evaluate user interfaces and create a working prototype using industry-standard techniques guided by usability data. Topics include human-computer interaction, measuring and evaluating interface quality, user research, wireframing, prototyping, designing virtual experiences, storyboarding, and career paths.

CMST 310 Fundamentals of Electronic Publishing (3)

Recommended: CMST 295. A hands-on, project-based introduction to the tools, concepts, processes, and methods of electronic (desktop) publishing. The aim is to use Adobe InDesign (or another professional electronic publishing software program) to create electronic publications for various media formats following fundamental design principles. Topics include the history and evolution of publishing, working with color, incorporating graphics, principles and elements of design, publication workflow, emerging technologies, careers in the field, ethical and legal considerations, and collaborative design. Students may receive credit for only one of the following courses: CAPP 310, CAPP 398B, or CMST 310.

CMST 385 Principles of Web Design and Technology I (3)

Prerequisite: CMST 290. Recommended: CMST 295. A study of web design, tools and technology principles. The goal is to plan and produce a professional website. Topics include Internet protocols; usability; accessibility; and social, ethical, and legal issues related to website production. Focus is on Extensible HyperText Markup Language (XHTML) and cascading style sheets (CSS). Students may receive credit for only one of the following courses: CAPP 385 or CMST 385.

CMST 386 Principles of Web Design and Technology II (3)

Prerequisite: CMST 385. Continuation of the study of web design, tools, and technology principles. The objective is to create a website promotion strategy, with search engine optimization, and produce a professional website that incorporates multimedia and scripting. Topics include website marketing, web analytics, performance, privacy, and security issues related to website production. Focus is on Extensible HyperText Markup Language (XHTML), cascading style sheets (CSS), and JavaScript. Students may receive credit for only one of the following courses: CAPP 386 or CMST 386.

Criminology/Criminal Justice

CCJS 100 Introduction to Criminal Justice (3)

(Fulfills the general education requirement in behavioral and social sciences.) An introduction to the three primary components of the Criminal Justice system (i.e., law enforcement, courts, and corrections). The objective is to identify the components of the system, the practitioners within the system, the importance of research in the field of Criminal Justice, the major theoretical tenets of criminal behavior, community relations and the impact of criminal behavior, and the role of practitioners in policy formation and implementation.

CCJS 105 Introduction to Criminology (3)

(Fulfills the general education requirement in behavioral and social sciences.) An exploration of the nature and causes of crime and criminal behavior. Topics include what we rationally know about crime, theoretical explanations of criminal behavior, and how to conduct research to explore the nature and extent of crime and criminal behavior.

CCJS 230 Criminal Law in Action (3)

Prerequisite: CCJS 100. An exploration of how criminal cases are handled, including factors related to how a case is charged and criminal liability. Focus is on the substantive elements of criminal law and on the historical development of criminal law in the United States. Topics include the basic elements of and defenses to criminal liability, crimes against people, crimes against property, and the defenses and justifications commonly used to negate criminal responsibility.

CCJS 234 Criminal Procedure and Evidence (3)

A study of the general principles of criminal procedure. Emphasis is on the history and evolution of criminal procedure in the United States and the fundamental components of criminal procedure, including privacy, reasonableness, probable cause, search and seizure, search warrants, interrogations, and the trial process. Topics include the criminal justice process and the connections between the law, the criminal justice process, criminal procedure, and evidence.

CCJS 301 Criminalistics I: The Comparative Disciplines (4)

Prerequisite: CCJS 101, CCJS 100, or CCJS 105.

Recommended: CCJS 234. An intensive study of the analysis of physical evidence in the crime laboratory, with practical laboratory exercises. The objective is to apply skills expected of an entry-level professional in the investigative forensics field that are necessary for the practical analysis of evidence in a criminal investigation. Topics include the comparative disciplines, including impression evidence analysis, trace evidence analysis, and firearms analysis.

CCJS 302 Criminalistics II: The Scientific Disciplines (4)

Prerequisite: CCJS 301. Further intensive study of the analysis of physical evidence in the crime laboratory, with practical laboratory exercises. The goal is to apply skills expected of an entry-level criminalist to the practical analysis of evidence in a criminal investigation. Topics include the applications of the scientific disciplines, including bloodstain pattern analysis, questioned document analysis, controlled dangerous substances analysis, and DNA analysis.

CCJS 311 Intelligence-Led Policing (3)

Prerequisite: CCJS 100. An examination of intelligence related processes as they apply to domestic law enforcement. The aim is to identify, collect, and assess data and process that information into intelligence that can support strategic and tactical planning. Intelligence reports are reviewed and assessed. Discussion covers the legal and ethical licenses and constraints that provide a framework for intelligence development.

CCJS 321 Digital Forensics in the Criminal Justice Systems (3)

(For students not majoring in criminal justice; not open to students who have completed CCJS 421; does not satisfy prerequisites for other criminal justice courses.) An overview of the criminal justice system and the application of digital forensic evidence in criminal justice cases. The objective is to apply constitutional and case law to the search and seizure of digital evidence, determine the most effective and appropriate forensic response strategies to digital evidence, and provide effective courtroom testimony in a case involving digital evidence. Topics include crime scene procedures and the collection of digital evidence, procedures performed in a digital forensics lab, and the preparation of courtroom testimony by the digital forensic investigator.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

CCJS 340 Law Enforcement Administration (3)

Prerequisite: CCJS 100. An introduction to organization and management in law enforcement. The objective is to communicate effectively and apply research skills and management and administrative principles to a law enforcement agency. Topics include structure, process, policy and procedure, communication and authority, division of work and organizational controls, the human element in the organization, and informal interaction in the context of bureaucracy. Students may receive credit for only one of the following courses: CCJS 340 or CJUS 340.

CCJS 341 Criminal Investigation (3)

Prerequisite: CCJS 100. Recommended: CCJS 230. An exploration of criminal investigation as it relates to the framework of the law that governs such investigations. Emphasis is on crime scene response, the collection and evaluation of crime scene evidence, the complexity of investigative interviews, and the application of current strategies and technology to further criminal investigations.

CCJS 342 Crime Scene Investigation (3)

Prerequisite: CCJS 100 or CCJS 105. Recommended: CCJS 234. An examination of the investigation of crime scenes. The objective is to apply skills expected of an entry-level professional in the investigative forensics field. Topics include the crime scene, crime scene documentation, evidence, and post-crime scene activities.

CCJS 345 Introduction to Security Management (3)

(Formerly CCJS 445) Prerequisite: CCJS 100. A study of the history, concepts, principles, and methods of organizing and administering security management and loss prevention activities in industry, business, and government. The objective is to manage security duties, evaluate and apply risk management principles, and evaluate administrative and operational issues. Discussion covers both private and governmental risk assessment and management and the protection of assets, personnel, and facilities. Students may receive credit for only one of the following courses: CCJS 345, CCJS 445, or CCJS 498G.

CCJS 350 Juvenile Delinquency (3)

(Fulfills the general education requirement in behavioral and social sciences.) Prerequisite: CCJS 100. Recommended CCJS 105. An examination of juvenile delinquency in relation to the general problem of crime. The aim is to apply theories and identify statutory parameters related to juvenile delinquency, analyze prevention measures, and assess the effectiveness of treatment measures. Topics include factors underlying juvenile delinquency, prevention of criminal acts by youths, and the treatment of delinquents. Students may receive credit for only one of the following courses: CCJS 350 or CRIM 450.

CCJS 352 Drugs and Crime (3)

Prerequisite: CCJS 100. An analysis of the role of criminal justice in controlling the use and abuse of drugs. The objective is to apply effective enforcement strategies, demonstrate case management skills, and analyze the effect of drug policy. Students may receive credit for only one of the following courses: CCJS 352 or CJUS 352.

CCJS 360 Victimology (3)

(Fulfills the general education requirement in behavioral and social sciences.) Prerequisite: CCJS 100. Recommended CCJS 105. An overview of the history and theory of victimology in which patterns of victimization are analyzed, with emphasis on types of victims and of crimes. The aim is to identify and apply appropriate preventative measures and responses to victimization. Discussion covers the interaction between victims of crime and the system of criminal justice in terms of the role of the victim and the services that the victim is offered. Students may receive credit for only one of the following courses: CCJS 360 or CRIM 360.

CCJS 380 Ethical Behavior in Criminal Justice (3)

Prerequisite: CCJS 100. A survey of the standards for ethical behavior that guide criminal justice professionals in different roles and responsibilities. The aim is to make ethical decisions based on informed personal and accepted professional standards. Rules, laws, and codes of conduct are explored as a foundation for discussing individual ethical responsibilities.

CCJS 390 Cyber Crime and Security (3)

Prerequisite: CCJS 321. An examination of crimes involving the use of computers. Topics include federal and state laws and investigative and preventive methods used to secure computers. Case studies emphasize security. Students may receive credit for only one of the following courses: CCJS 390, CCJS 496, or CCJS 498C.

CCJS 416 Analytical Strategies for Law Enforcement (3)

Prerequisite: CCJS 100 or CCJS 105. An examination of the authenticity, accuracy, viability, and reliability of intelligence reports as they relate to the application of intelligence to public safety problem solving. The goal is to evaluate intelligence reports to formulate plans, policies, and procedures that ensure effective and efficient agency operations. Focus is on developing critical thinking and problem-solving skills through role-playing in a simulated environment, working with near-genuine intelligence reports and public safety issues. Practice is provided in analyzing the strategies and activities detailed in intelligence reports, identifying and implementing responsive actions, and determining appropriate redistribution of such reports.

CCJS 420 Medical and Legal Investigations of Death (3)

Prerequisite: CCJS 101, CCJS 100, or CCJS 105.
Recommended: CCJS 234. An intensive look at medical and legal investigations into causes of death. The objective is to perform investigative functions at a death scene, determine and apply forensic testing, and analyze and effectively communicate investigative information. Topics include the difference between the medical (or pathological) and legal (or criminal) components of investigations into causes of death, medical and investigative terminology, and the impact of ethics on prosecutions and convictions. Case studies illustrate practical applications of various forms of forensic styles and parameters.

CCJS 440 Fingerprint Analysis (3)

Prerequisite: CCJS 301. A comprehensive study of friction ridge analysis in fingerprints. Emphasis is on the practical analysis of evidence in a criminal investigation. The objective is to apply skills expected of an entry-level fingerprint professional, including assessing surfaces for viable latent fingerprints; evaluating how to process and collect latent fingerprints; analyzing, comparing, evaluating, and verifying fingerprint evidence; and conveying findings. Topics include processing and comparison methodologies, historical and biological foundations of impressions, and legal aspects.

CCJS 441 Firearms and Toolmarks Analysis (3)

Prerequisite: CCJS 301. A comprehensive study of toolmark evidence, including toolmarks imparted by firearms. Discussion covers the practical analysis of evidence in a criminal investigation. The aim is to assess toolmarks; examine, compare, evaluate, and verify firearm and toolmark evidence; and convey findings. Topics include comparison methodologies, historical and mechanical foundations of toolmarks, and legal aspects. Focus is on developing the foundational knowledge and applied skills expected of an entry-level professional in the firearms and toolmarks field.

CCJS 461 Psychology of Criminal Behavior (3)

Prerequisite: CCJS 100. Recommended: CCJS 105. An overview of delinquent and criminal behavior from a developmental, cognitive-behavioral perspective. The aim is to apply theoretical perspectives (behavioral, emotional, and cognitive) to analyze real or hypothetical criminal scenarios; to identify the various factors that encourage or discourage criminal behavior; and to explain the use of risk assessment tools at various stages of the criminal justice process. Factors that influence the development of adults and juveniles on the road to crime are examined to assess culpability for criminal behavior. Students may receive credit for only one of the following courses: CCJS 461 or CRIM 455.

CCJS 495 Issues in Criminal Justice (3)

(Intended as a final, capstone course for criminal justice degree majors; to be taken in a student's last 15 credits).
Prerequisites: CCJS 230, CCJS 340, CCJS 341, CCJS 345, and CCJS 380. An integrative study of the various components of the American criminal justice system. The goal is to apply principles of interagency cooperation, critical thinking, and systems approaches to solve practical problems in a criminal justice environment. Topics include problem solving, case study analysis, strategic planning, teamwork, and professional writing.

CCJS 497 Correctional Administration (3)

Prerequisite: CCJS 230, CCJS 340, CCJS 341, CCJS 345, CCJS 380. An examination of prison administration, including theories of management and institutional structure and purpose. Objectives include the application of organizational concepts, leadership, and effective administrative approaches to the management of correctional institutions and offender populations. Emphasis is on concepts of organizational structure, communication, self-assessment, short- and long-term strategic operational planning, decision making, and human resources.

Cybersecurity and Information Assurance

CSIA 300 Cybersecurity for Leaders and Managers (3)

(Designed in part to help prepare for the EC-Council Secure Computer User [CSCU] certification exam.)

Prerequisite: Any CMIS, CMSC, CMIT, CMST, CSIA, IFSM, or SDEV course. Recommended: IFSM 201. A survey of the cybersecurity principles, practices, and strategies required by leaders and managers to become strategic partners in the establishment, management, and governance of an enterprise's cybersecurity program. The aim is to develop both an understanding of how cybersecurity supports key business goals and objectives and the "soft skills" necessary for success in a leadership or managerial role. Topics include the fundamentals of cybersecurity practices and principles; enterprise IT governance processes and security controls; data security; the information life cycle; intellectual property protections; privacy laws and regulations; security education, training, and awareness; and the need for cooperation and collaboration between business units and the organization's cybersecurity program.

CSIA 310 Cybersecurity Processes and Technologies (3)

(Includes content designed to help in preparing for EC-Council Certified Incident Handler [ECIH] certification exam.) Prerequisites: IFSM 201 and WRTG 112 or equivalent. A study of the processes and technologies used to implement and manage enterprise IT security operations. The goal is to apply and integrate cybersecurity concepts and best practices with the principles of IT operations and management and to prepare for a government- and industry-recognized intermediate level cybersecurity certification (Certified Incident Handler). Topics include the essential management and operational activities (acquisition, deployment, and operations) required to secure IT technologies and business operations against a wide variety of threats and attacks.

CSIA 350 Cybersecurity in Business and Industry (3)

Prerequisites: CSIA 310 and WRTG 112 or equivalent.

A study of the application and integration of cybersecurity principles, frameworks, standards, and best practices to the management, governance, and policy development processes for businesses. Discussion covers the organization, management, and governance of cybersecurity for enterprise IT in business settings; risk and risk management practices; and development and implementation of industry-wide cybersecurity initiatives and programs.

CSIA 360 Cybersecurity in Government Organizations (3)

Prerequisite: CSIA 350. A study of cybersecurity management and governance in the context of the missions, functions, and operations of federal, state, and municipal government agencies, departments, and programs. Discussion covers the policy life cycle and the mechanisms used by governments to formulate and implement laws, policies, regulations, and treaties to protect and defend government operations and society as a whole against cyber attacks and crimes, both foreign and domestic.

CSIA 413 Cybersecurity Policy, Plans, and Programs (3)

(Includes content designed to help in preparing for IAPP Certified Information Privacy Professional/US certification exam.) Prerequisite: CSIA 360. A study of the application of cybersecurity principles, frameworks, standards, and best practices to organization-level strategies, policies, programs, plans, procedures, and processes. The aim is to prepare for an internationally recognized information privacy certification exam. Projects include writing security policies and plans, developing metrics and measures for information security programs, planning audits of compliance practices and processes, and developing organization-level security policies for enterprise IT governance. Discussion covers principles and best practices for protecting privacy and ensuring compliance with laws and regulations.

Data Science

Courses in data analytics (except DATA 200, DATA 300, DATA 320, and DATA 335) have higher computing requirements than the minimum technical requirements stated on p. 2. They require an Intel Core i7 processor or higher, with speeds of 2GHz and at least 8GB RAM (16GB recommended).

DATA 200 Data Literacy Foundations (3)

An introduction to data and data literacy for students of all majors to enhance their ability to understand and work in today's data-driven world. The aim is to collect, manage, evaluate and apply data in a critical manner and examine the role, significance, and implications of data, including ethical issues within a society, in organizations, or for individuals. Developing skills in data manipulation, analysis, and visualization, students will generate insights from data, build knowledge, and make decisions. Topics include the effective use of cloud-based data storage, collaboration and communication techniques.

DATA 300 Foundations of Data Science (3)

Prerequisite: STAT 200. An examination of the role of data science within business and society. The goal is to identify a problem, collect and analyze data, select the most appropriate analytical methodology based on the context of the business problem, build a model, and understand the feedback after model deployment. Emphasis is on the process of acquiring, cleaning, exploring, analyzing, and communicating data obtained from variety of sources. Assignments require working with data in programming languages such as Python, wrangling data programmatically and preparing data for analysis, using libraries like NumPy and Pandas.

DATA 320 Introduction to Data Analytics (3)

Formerly DATA 220. Prerequisite: STAT 200. A practical introduction to the methodology, practices, and requirements of data science to ensure that data is relevant and properly manipulated to solve problems and address a variety of real-world projects and business scenarios. Focus is on the application of foundational statistical concepts to describing datasets with summary statistics, simple data visualizations, statistical inference, and predictive analytics. The objective is to use data to draw conclusions about the underlying patterns that drive everyday problems through probability, hypothesis testing, and linear model building.

DATA 335 Data Visualization (3)

Prerequisite: DATA 320. An overview of the fundamentals of data visualization principles in the context of business and data science. Practical focus on data visualization of different data types including time series, multidimensional data, creating dynamic tables, heatmaps, infographs, and dashboards. Hands on projects will require exploring data visually at multiple levels to find insights to create a compelling story and incorporating visual design best practices to better communicate insights to the intended audience, such as business stakeholders. Projects are selected from a wide range of content areas such as retail, marketing, healthcare, government, basic sciences, and technology.

DATA 430 Foundations of Machine Learning (3)

Prerequisite: DATA 300. A hands-on introduction to machine learning principles and methods that can be applied to solve practical problems. Topics include supervised and unsupervised, especially linear regression, logistic regression, decision tree, naïve Bayes and clustering analysis. Focus is on using data from a wide range of domains, such as healthcare, finance, marketing, and government, to build predictive models for informed decision making. Discussion also covers handling missing data, performing cross-validation to avoid overtraining, evaluating classifiers, and measuring precision.

DATA 445 Advanced Machine Learning (3)

Prerequisites: DATA 430 and MATH 140. A project-based study of advanced concepts and applications in machine learning (ML) such as neural networks, support vector machines (SVM), ensemble models, deep learning, and reinforced learning. Emphasis is on building predictive models for practical business and social problems, developing complex and explainable predictive models, assessing classifiers and comparing their performance. All stages of the machine learning life cycles are developed, following industry best practices for selecting methods and tools to build ML models, including Auto ML.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

DATA 450 Data Ethics (3)

Prerequisite: DATA 430. Recommended: CSIA 300. A study of ethics within the context of data science, machine learning and artificial intelligence. The emphasis is on examining data and model bias, building explainable, fair, trustable, and accurate predictive modeling systems, and on reporting responsible results. Additional topics include the technology implications of human-centered machine learning and artificial intelligence on decision-making in organizations and government and the broader impact on society, including multinational and global effects.

DATA 460 Artificial Intelligence Solutions (3)

(Designed to help prepare for the AWS Certified Machine Learning or Microsoft Designing and Implementing an Azure AI Solution exam.) Prerequisite: DATA 430. A hands-on, project-based study of artificial intelligence and machine learning solutions to complex problems. Topics include natural language processing, computer vision, and speech recognition.

DATA 495 Data Science Capstone (3)

Prerequisites: DATA 440, DATA 445, and DATA 450. A project-based, practical application of the knowledge, technical skills, and critical thinking skills acquired during previous study designed to showcase the student's data science expertise. Individually selected projects include all phases of machine learning life cycles and a peer-reviewed final report and presentation. Topics are selected from student-affiliated organizations or employers, special government/private agency requests, or other faculty-approved sources in a wide range of domains, such as healthcare, financial services, marketing, sciences, and government.

Dutch

For further information, refer to Foreign Languages.

Economics

ECON 201 Principles of Macroeconomics (3)

An introductory study of the macroeconomy. The objective is to apply select macroeconomic theories to real-world situations. Discussion covers economic growth, technological innovation, unemployment, inflation, and the roles of monetary policy and fiscal policy in determining macroeconomic performance. Students may receive credit for only one of the following courses: ECON 201 or ECON 205.

ECON 203 Principles of Microeconomics (3)

An analysis of the economic principles underlying the behavior of individual consumers and business firms. The goal is to apply select microeconomic theories to real world situations. Emphasis is on market theory. Topics include the implications of government intervention, technological innovation, the advantages and disadvantages of different market structures, and income distribution and poverty.

English

ENGL 102 Composition and Literature (3)

(Fulfills the general education requirements in communications or arts and humanities.) Prerequisite: WRTG 112 or equivalent. Further practice in writing using readings in literature. Focus is on academic writing forms, especially critical analysis of literature through a variety of modes such as comparison and contrast, classification, and causal analysis. Students may receive credit for only one of the following courses: ENGL 102 or ENGL 292.

ENGL 103 Introduction to Mythology (3)

(Formerly HUMN 103.) A foundation in ancient mythology, focusing on Greek and Roman myths. Discussion may also cover Norse, Irish, Chinese, Arabic, and Hindu myths, among others. Emphasis is on examining various classical myths as expressed through plays, poems, and stories. The objective is to demonstrate an understanding of the differences between myths, legends, and other similar genres and show how classical world mythology still influences contemporary society. Students may receive credit for only one of the following courses: ENGL 103 or HUMN 103.

ENGL 240 Introduction to Fiction, Poetry, and Drama (3)

Prerequisite: WRTG 112 or equivalent. An introduction to fiction, poetry, and drama, with an emphasis on developing critical reading and writing skills. The objective is to identify and define elements of literature and literary genres, analyze literary texts using principles of close reading, and demonstrate skill in academic writing. Students may receive credit for only one of the following courses: ENGL 240 or ENGL 340.

ENGL 250 Introduction to Women's Literature (3)

Prerequisite: WRTG 112 or equivalent. Recommended: ENGL 102. An overview of multiple forms of writings by and about women from various periods and cultures. The aim is to read critically, understand diverse perspectives, and write effectively about women's literature.

ENGL 281 Standard English Grammar (3)

(Fulfills the general education requirement in communications but is not a writing course.) Prerequisite: WRTG 112 or equivalent. An overview of standard edited English, a standard central to academic and professional communications. The aim is to write clear, effective prose consistent with the writer's goals. Topics include applying advanced grammatical and linguistic descriptions and prescriptions and attending to the needs of diverse audiences while making writing and editing decisions. Tasks focus on parts of speech, sentence patterns, and sentence transformations. Students may receive credit for only one of the following courses: ENGL 281, ENGL 281X, or WRTG 288.

ENGL 294 Introduction to Creative Writing: Poetry, Creative Nonfiction, and Fiction (3)

Prerequisite: WRTG 112 or equivalent. An introductory survey and practical study of key aspects of literary writing in poetry, creative nonfiction, and fiction. The objective is to write original poetry, creative nonfiction, and fiction and to critique, revise, and edit that writing. Emphasis is on reading and thinking critically and analytically from a writer's perspective as a means to better understand the art and craft of creative writing. Discussion may cover publishing. Peer review of manuscripts may be included.

ENGL 303 Critical Approaches to Literature (3)

(Designed as a foundation for other upper-level literature courses.) Prerequisite: WRTG 112 or equivalent. A study of the techniques of literary criticism, emphasizing close reading, critical thinking, and critical writing. The goal is to apply a variety of theoretical approaches to literature, analyze texts, and create professional written communications.

ENGL 310 Renaissance Literature (3)

Prerequisite: WRTG 112 or equivalent. A study of major British authors and literary works from the English Renaissance period. The goal is to gain historical perspective and discern contemporary relevance by exploring social and cultural contexts.

ENGL 311 The Long 18th-Century British Literature (3)

Prerequisite: WRTG 112 or equivalent. A study of major British authors and literary works from the period known as the long 18th century, roughly from Restoration through the Age of Sensibility (1660-1830s). The goal is to gain historical perspective and discern contemporary relevance by exploring social and cultural contexts.

ENGL 312 19th-Century British Literature (3)

Prerequisite: WRTG 112 or equivalent. A study of major British authors and literary works from the historical eras known as the Romantic Age and the Victorian Age. The goal is to gain historical perspective and discern contemporary relevance by exploring social and cultural contexts.

ENGL 363 African American Authors from the Colonial Era to 1900 (3)

Prerequisite: WRTG 112 or equivalent. An examination of African American authors before 1900, including Phillis Wheatley, Frances Harper, Maria W. Stewart, David Walker, Frederick Douglass, William Wells Brown, Charles Chesnutt, and Paul Laurence Dunbar. The goal is to research historical issues; integrate findings into discussion; and articulate, develop, and advance a persuasive argument in written form.

ENGL 364 African American Authors from 1900 to Present (3)

Prerequisite: WRTG 112 or equivalent. An examination of early 20th-century to early 21st-century African American authors, including James Weldon Johnson, Zora Neale Hurston, Richard Wright, James Baldwin, Ann Petry, Helene Johnson, Dorothy West, and Langston Hughes. The goal is to research historical issues; integrate findings into discussion; and articulate, develop, and advance a persuasive argument in written form. Students may receive credit for only one of the following courses: ENGL 364 or HUMN 364.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

ENGL 386 History of the English Language (3)

Prerequisite: WRTG 112 or equivalent. An examination of the development and usage of the English language. The objective is to explore various texts and research tools to examine the linguistic heritage and continuing evolution of English. Discussion traces the history of English from its origins and examines contemporary issues and controversies.

ENGL 406 Shakespeare Studies (3)

Prerequisite: WRTG 112 or equivalent. An intensive study of Shakespeare's work and its continuing relevance with reference to historically specific social and cultural contexts. The objective is to evaluate and synthesize source materials, apply critical theory, and demonstrate understanding of dramatic text. Histories, comedies, tragedies, romances, and sonnets may be examined. Students may receive credit for only one of the following courses: ENGL 406 or HUMN 440.

ENGL 430 American Literature: Discovery to 1914 (3)

Prerequisite: WRTG 112 or equivalent. A comprehensive study of literature in America from European discovery until 1914. The aim is to examine literary periods, movements, and styles; interpret literature as a reflection of national and world events; recognize the differences among types of American literary works; and apply critical methodology. Topics include settlement and exploitation, revolution and government, American romanticism, slavery, women's rights, the Civil War and Reconstruction, and naturalism and realism.

ENGL 433 Modern American Literature: 1914-1945 (3)

Prerequisite: WRTG 112 or equivalent. A study of the uniqueness of modern American fiction, poetry, nonfiction, and drama. The goal is to interpret and analyze literature by applying critical theory. Focus is on the major social and historical changes that occurred between World War I and World War II and their effect on literature. Major authors may include Ernest Hemingway, William Faulkner, F. Scott Fitzgerald, Langston Hughes, and Hilda Doolittle (H. D.).

ENGL 439 Major American Writers (1-3)

Prerequisite: WRTG 112 or equivalent. A study of works by selected American authors from the colonial period to the present. The goal is to understand the place these authors and their works hold in the canon of American literature. Emphasis is on the impact of historical and social events, as well as biographical influences, on the literature. May be repeated to a maximum of 6 credits when topics differ.

ENGL 441 Postmodern American Literature: 1945 to 1999 (3)

Prerequisite: WRTG 112 or equivalent. A comprehensive study of literature in America from 1945 till the end of the 20th century. The objective is to interpret American literature as a reflection of national and world events, recognize the differences among types of American literary works, and apply critical methodology. Topics include the American Dream; war; fear and paranoia; rebellion and counterculture; civil rights, feminist, and gay movements; postmodernism; and multiculturalism.

ENGL 459 Contemporary Global Literatures (3)

Prerequisite: WRTG 112. An advanced examination of contemporary literary texts written by diverse writers that addresses the connections between geographical regions, history, and social justice. Literature studied will be of varied genres, including poetry, fiction, memoir, with some in multimedia form. Students will study canonical and emerging writers to understand established and current discourse in the field. The goal is to demonstrate critical, interpretative, and analytical skills in reading and writing as well as apply contemporary theory. Writers covered may vary from term to term.

ENGL 495 Advanced Seminar in English Language, Literature, and Writing (3)

(Intended as a final, capstone course to be taken in a student's last 15 credits.) Prerequisites: ENGL 240, ENGL 303, and at least 9 additional credits of upper-level ENGL courses. A synthesis and application of knowledge and skills developed by previous study in the discipline. The goal is to refine skills and explore ways that they may be applied after graduation. Focus is on reviewing and revising previously written papers and/or projects to create a comprehensive portfolio. Assignments include the creation of the portfolio and writing original papers on one's professional postgraduate objectives and the current status of the discipline.

Experiential Learning

EXCL 301 Prior Learning Portfolio (3)

(Students should visit umgc.edu/priorlearning or contact priorlearning@umgc.edu for complete requirements.)
Prerequisite: formal admission to the program. Instruction in the preparation of a portfolio documenting college-level learning gained through life experiences. The aim is to translate prior life experiences into college credit by developing a portfolio that documents and presents learning specific to targeted courses. Faculty evaluators assess completed portfolios to recommend credit award.

EXCL X001 Supplement to Prior Learning Portfolio (0)

(Students should visit umgc.edu/priorlearning or contact priorlearning@umgc.edu for complete requirements.)
Prerequisite: EXCL 301. An opportunity to prepare additional portfolios for courses not previously targeted. The aim is to translate prior life experiences into college credit by developing a portfolio that documents and presents learning specific to targeted courses. Faculty evaluators assess completed portfolios to recommend credit award.

Field Study

For further information about field study courses, see pp. 170-172.



Finance

FINC 321 Fundamentals of Building Wealth (3)

(Formerly BMGT 342. For students majoring in both business and nonbusiness disciplines.) A practical overview of personal finance management and wealth creation that blends financial theory and application. The goal is to develop personal financial management skills (e.g., budgeting income and expenditures and planning for financial security and retirement) and understand elements of the U.S. financial structure (including savings and investment alternatives, financing and credit sources, and the role of insurance in protecting income and assets). These skills are utilized in the development of a personal financial plan. Students may receive credit for only one of the following courses: BMGT 342, BMGT 388F, BMGT 388N, FINC 321, or FINC 322.

FINC 328 Small Business Finance (3)

A project-driven study of small business and entrepreneurial finance that emphasizes the financial knowledge and tools needed to develop a successful venture from start-up through growth and maturity. The goal is to identify, assess, and explain the key decision-making processes required of a small business entrepreneur or financial manager. Topics include financial statement analysis, capital acquisition, legal and regulatory compliance, budgeting, forecasting, and client and vendor relationships. Projects include creation of a financial plan and completion of a loan application. Discussion also covers contemporary issues related to finance.

FINC 330 Business Finance (3)

Prerequisites: ACCT 221 and STAT 200. An overview of the theory, principles, and practices of financial management in a business environment. Topics include financial analysis and financial risk, characteristics and valuations of securities, capital investment analysis and decision making, the capital structure of the firm, financial leverage, and international finance. The aim is to examine financial information, identify issues and solve business problems, and make sound business decisions. Emphasis is on the application of financial theory and methods for solving the problems of financial policy that managers face. Students may receive credit for only one of the following courses: BMGT 340, FINC 330, MGMT 398D, or TMGT 320.

FINC 331 Finance for the Nonfinancial Manager (3)

Development of the financial skills needed by functional experts in human resources, marketing, production, and general management. The objective is to interpret finance and accounting documents and apply that information to sound business decision making. Topics include financial statements and forecasting, capital budgeting, project evaluation, working capital management, stocks and bonds, time value of money, and international financial management. Emphasis is on practical applications to facilitate informed discussions with business professionals for financial decision making. Students may receive credit for only one of the following courses: BMGT 341 or FINC 331.

FINC 335 FinTech, Financial Institutions, and Markets (3)

An overview of the interplay of financial markets, financial institutions, and technology. Topics include the characteristics and roles of financial markets and institutions. Focus is on evaluating what drives the term structure of interest rates. The aim is to be able to discuss how emerging technologies are used in the financial services industry and how they impact delivery of financial products and services such as insurance, investment advising, and wealth management.

FINC 340 Investments (3)

(Formerly BMGT 343.) Prerequisite: FINC 330 and FINC 335. An introduction to financial investments and portfolio management. The goal is to evaluate and critically analyze asset selection and allocation and perform basic portfolio management activities. Topics include types of securities and securities markets; investment risks, returns, and constraints; portfolio policies and management; and institutional investment policies. Theories, practices, and real-world examples are examined and analyzed. Students may receive credit for only one of the following courses: BMGT 343 or FINC 340.

Foreign Languages

In addition to German, Italian, Spanish, and Arabic (see course descriptions under these subjects), courses are currently offered in the following languages: Dutch (DTCH), French (FREN), Portuguese (PORT), and Turkish (TURK).

If you have prior experience in a foreign language—through study or living abroad, informal learning from friends or family, or high school or other coursework that did not transfer to UMGC, you should take a placement exam before enrolling. You should also take the placement exam if you have oral proficiency in a language and wish instruction in writing that same language.

Please email languages@umgc.edu or contact your academic advisor if you have questions about placement into language courses or if you have prior experience learning a language. Placement testing is available for all languages offered at UMGC. If you have no prior experience with a language, please enroll in the introductory course.

You may not establish credit in the 100- and 200-level courses of your primary language. The university reserves the right to determine your primary language. Usually, it is the language you first learned to read and write as a child through regular schooling. It is not necessarily, therefore, the language of the parents or of the country in which you were born.

Foreign language courses build on specific knowledge gained in previous courses, and thus, after successfully completing a language course, you may not take a less advanced course for credit (e.g., may not take SPAN 111 after SPAN 112.) Also, you may not take two different courses in the same foreign language (e.g., SPAN 112 and SPAN 114) at the same time.

French

For further information, refer to Foreign Languages.

Geography

GEOG 100 Introduction to Geography (3)

An introduction to the broad field of geography. Emphasis is on concepts relevant to understanding global, regional, and local issues.

Geology

GEOL 100 Physical Geology (3)

An introductory study of geology, encompassing the Earth, the materials that constitute its makeup, the structure of those materials, and the processes acting on them. The goal is to understand geological principles and how humans impact geological processes. Topics include the rocks and minerals composing Earth, movement within Earth, and its surface features and the agents that form them and our environment. Discussion also covers energy and mineral resources. Students may receive credit for only one of the following courses: GEOL 100 or GEOL 101.

GEOL 110 Physical Geology Laboratory (1)

(Fulfills the laboratory science requirement only with previous or concurrent credit for GEOL 100 or GEOL 120.) Prerequisite or corequisite: GEOL 100, GEOL 101, or GEOL 120. An introduction to the basic materials and tools of physical geology. Emphasis is on familiarization with rocks and minerals and the use of maps in geologic interpretations.

German

GERM 111 Elementary German I (3)

(Not open to native speakers of German: assumes no prior knowledge of German. Students with prior experience with the German language should take a placement test to assess appropriate level.) An introduction to the German language. The objective is to communicate in German in some concrete, real-life situations using culturally appropriate language. Aspects of German life and culture are explored through the German language. Students may receive credit for only one of the following courses: GERM 101 or GERM 111.

GERM 112 Elementary German II (3)

(Not open to native speakers of German.) Prerequisite: GERM 111 or appropriate score on a placement test. A continued introduction to spoken and written German. The goal is to communicate in German in concrete, real-life situations relating to oneself and others. German culture and language are explored. Students may receive credit for only one of the following courses: GERM 102 or GERM 112.

GERM 211 Intermediate German I (3)

Prerequisite: GERM 112 or appropriate score on placement test. Further development of listening, speaking, reading, and writing skills in German. The aim is to communicate in German in real-life situations and social contexts in culturally appropriate ways. Students may receive credit for only one of the following courses: GERM 114, GERM 201, or GERM 211.

GERM 212 Intermediate German II (3)

Prerequisite: GERM 211 or appropriate score on placement test. Further development of listening, speaking, reading, and writing skills in German. The objective is to interact effectively with German-speaking individuals in a variety of personal settings and on issues of topical interest in culturally appropriate ways. Students may receive credit for only one of the following courses: GERM 115, GERM 202, or GERM 212.

GERM 311 Advanced German I (3)

Prerequisite: GERM 212 or appropriate score on placement test. An in-depth review and expansion of German language communication skills. The aim is to express opinions and use narration and description in a variety of personal and professional contexts. Focus is on improving linguistic proficiency while increasing cultural awareness. Students may receive credit for only one of the following courses: GERM 301 or GERM 311.

GERM 312 Advanced German II (3)

Prerequisite: GERM 311 or appropriate score on placement test. Continued in-depth review and expansion of communication skills in German. The goal is to deliver detailed reports and discuss current topics in a variety of personal and professional contexts. Focus is on improving linguistic proficiency while increasing cultural awareness. Students may receive credit for only one of the following courses: GERM 302 or GERM 312.

GERM 333 German Society and Culture (3)

(Taught in English; no knowledge of German required.)

A study of contemporary German society and German culture as embodied in its literary, artistic, and social traditions. The aim is to articulate the historical roots and key developments that shape contemporary German society, recognize and distinguish unique German influences and contributions, and use and interpret a variety of sources to illustrate and explain key aspects of German society and culture, past and present. Focus is on developing an understanding of German society and culture for practical and professional application using a variety of cultural texts, ranging from political manifestos to literature and art. Various historic and contemporary sources are examined for research and analysis. Students may receive credit for only one of the following courses:

GERM 333 and GERM 334.

Government and Politics

GVPT 100 Introduction to Political Science (3)

A survey of the basic principles of political science. The objective is to define the main features of primary systems of political economy to understand differing methods of governance and articulate consequences of government actions in a globally interdependent system. Topics include the relationship of political science to the other social sciences; modern democracy, political ideology, and political socialization; the function of public opinion, mass media, interest groups, and political parties; the basic institutions of government and the separation of powers; and the role of international relations and globalization.

GVPT 101 Introduction to Political Theory (3)

An overview of the main schools of political theory, including democracy, authoritarianism, and alternative theories. The aim is to demonstrate familiarity with important thinkers and major works in the history of political theory; use theoretical language to analyze and critique political behavior and events; identify strengths and weaknesses of different forms of government; and demonstrate knowledge of crucial concepts (justice, power, authority, the state, social contract, etc.) and their history. Topics include the philosophical foundations of liberalism, socialism, and conservatism, and the core political concepts of justice, power, and authority.

GVPT 170 American Government (3)

A comprehensive study of government in the United States, including the basic principles of American government and political culture. The aim is to explain the vertical and horizontal structure of the American government and the roles of the three federal branches, bureaucracies, and the state governments; describe the development of the American political system and its impact on the political landscape; and explain the processes of the electoral system, political parties, and interest groups to persuade and influence. Institutions, processes, and public policies are examined from a cross-cultural perspective.

GVPT 199C International Terrorism (1)

An examination of the origins, theories, methods, dangers, and possible future of international terrorism. The serious nature of terrorism today and how prepared government should be to control it are addressed. Topics include the definition of terrorism; reasons for growth; terrorist groups and their grievances; supporters of terrorism; questions of moral or philosophical justification; and protection against kidnappings, skyjackings and bombings. Students may receive credit for only one of the following courses: GVPT 199C or GVPT 401D.

GVPT 199P The Presidential Election (1)

A study of the presidential election process. Topics include the influence of mass media on modern campaigns, the role of issues and ideology in the election, the intricacies of campaign financing, differences in campaign strategies, and the role of third-party or minority-party candidates during the entire election process. Students may receive credit for only one of the following courses: GVPT 199P or GVPT 377I.

GVPT 200 International Political Relations (3)

A study of the major factors underlying international relations, the methods of conducting foreign relations, and the means of avoiding or alleviating international conflicts. The objective is to interact with global communities, contribute to policy formation, analyze differing world views, and apply historical and cultural contexts to identify probable outcomes of disputes. Students may receive credit for only one of the following courses: GVPT 200 or GVPT 300.

GVPT 210 Introduction to Public Policy and Public Administration (3)

Prerequisite: GVPT 100. An introduction to the study of the administrative process in the executive branch and the structure and function of the federal system. The aim is to apply the mechanisms of policy formulation to the budgetary process, analyze the nature of public personnel policy and the fundamentals of organization theory, and evaluate the impact of new technologies on public organizations. Topics include the organizational structure, the political cultural environment, intergovernmental relations, performance management, social equity, and public administration and public finance administration.

GVPT 280 Comparative Politics and Government (3)

An introductory study of institutional patterns and trends in a variety of countries with dissimilar governmental styles. The goal is to compare the stages of political development in the modern state system on a spectrum ranging from liberal democracies to authoritarian regimes. Discussion covers ethnic conflict and economic inequality in relation to the success and failure of governmental approaches in solving compelling issues.

GVPT 306 Global Political Economy (3)

A study of the relationship between political and economic processes in international affairs. Discussion covers the effect of globalization on the global environment, the economy, world peace, the power of the nation-state, and inequality between nation-states.

GVPT 3990 Seminar on National Security (1)

An overview of the different components of U.S. national security, including policy and organization. Internal and external factors affecting national security are covered.

GVPT 403 Law, Morality, and War (3)

Prerequisite: WRTG 112 or equivalent. A study of just war traditions. The objective is to make informed decisions and analyze conflict. Discussions cover the theoretical and practical connections between law, war, and morality.

GVPT 406 Global Terrorism (3)

Prerequisite: WRTG 112 or equivalent. An examination of the development of global terrorism and its impact on the international community. The goal is to participate in strategy and policy formulation and implementation, evaluate threats, and assess infrastructures that support global terrorist organizations. Students may receive credit for only one of the following courses: GVPT 401A or GVPT 406.

GVPT 407 State Terrorism (3)

An examination of the use of force and power (terrorism) by states against various populations to advance the interests of their civilization or state. The objective is to apply knowledge of culture, tradition, ideology, and methodology to comprehend state terrorism; analyze risk to national security; and explain how domestic climates and international relationships interact to support state terrorism. Topics include state behavior and norms; state interests, power, and force; application of power and force; and coercion within and among civilizations. Students who have completed GVPT 401B or GVPT 401C may not earn credit for GVPT 407.

GVPT 408 Counterterrorism (3)

An investigation of counterterrorism (including its historical context), focusing on the evaluation of threats and the formulation of defeat strategies. The aim is to evaluate response strategies, help improve offensive and defensive planning, and construct a defeat strategy for a terrorist threat. Students may receive credit for only one of the following courses: GVPT 399H or GVPT 408.

GVPT 409 Terrorism, Antiterrorism, and Homeland Security (3)

An advanced examination of the impact of terrorism on the homeland security of the United States since the attacks of September 11, 2001. The objective is to more fully understand the concepts of homeland security within a federal system. Topics include the National Strategy for Homeland Security and the Patriot Act, their effect on civil liberties and civil rights, the changing face of terrorism in the United States, intelligence systems, and critical infrastructure protection. Students may receive credit for only one of the following courses: GVPT 409 or GVPT 498X.

GVPT 457 American Foreign Relations (3)

Prerequisite: WRTG 112 or equivalent. A study of the principles and machinery of American foreign relations. The goal is to apply historical themes of American foreign policy to contemporary international relations, incorporate tenets of international law into American diplomatic approaches, and inform and influence policy making. Emphasis is on the conduct of the U.S. Department of State and the Foreign Service. Analysis covers the major foreign policies of the United States.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

GVPT 495 Advanced Seminar in Political Science (3)

(Intended as a capstone course to be taken in a student's last 15 credits.) Prerequisites: WRTG 112 or equivalent and 9 upper-level credits in GVPT coursework. A study of political science that integrates knowledge gained through previous coursework and experience. The aim is to build on that conceptual foundation through integrative analysis, practical application, and critical thinking. Concepts and methods of political science are applied in producing a political, policy, or position paper for a project organization.

History

HIST 115 World History I (3)

Recommended: WRTG 112 or equivalent. A survey of global civilizations from prehistory to the 1500s. The aim is to explain the impact of environmental conditions on the development of civilizations using basic geographical knowledge; describe how human contacts, global connections, and migrations contribute to the development of civilizations; and compare the development of institutions (social, political, familial, cultural, and religious) to explain their impact on societal transformations. Focus is on examining what history is and thinking critically about history by analyzing historical approaches and methods.

HIST 116 World History II (3)

Recommended: WRTG 112 or equivalent. A survey of global civilizations from the 1500s to the present. The aim is to explain the development of new political and economic systems using basic geographical knowledge; describe how human contacts, global connections, and migrations contribute to the development of nations and global systems; and compare the development of institutions (social, political, familial, cultural, and religious) to explain their impact on societal transformations. Focus is on examining what history is and thinking critically about history by analyzing historical approaches and methods.

HIST 141 Western Civilization I (3)

Recommended: WRTG 112 or equivalent. A survey of the history of Western civilization from antiquity through the Reformation. The objective is to chart major societal changes; identify major conflicts and wars; describe the evolution of religions; and recognize how philosophy and the arts reflect and influence peoples' lives, cultures, and societies. The political, social, and intellectual developments that formed the values and institutions of the Western world are examined.

HIST 142 Western Civilization II (3)

Recommended: WRTG 112 or equivalent. A survey of the history of Western civilization from the Reformation to modern times. The goal is to chart major societal changes; identify major conflicts and wars; describe the evolution of religions; and recognize how philosophy and the arts reflect and influence peoples' lives, cultures, and societies.

HIST 156 History of the United States to 1865 (3)

A survey of the United States from colonial times to the end of the Civil War. The establishment and development of national institutions are traced. The aim is to locate, evaluate, and use primary and secondary sources and interpret current events and ideas in a historical context. Students may receive credit for only one of the following courses: HIST 156 or HUMN 119.

HIST 157 History of the United States Since 1865 (3)

A survey of economic, intellectual, political, and social developments since the Civil War. The objective is to use primary and secondary sources to describe U.S. historical events and interpret current events and ideas in a historical context. Discussion covers the rise of industry and the emergence of the United States as a world power. Students may receive credit for only one of the following courses: HIST 157 or HUMN 120.

HIST 202 Principles of War (3)

A study of the nine classic principles that guide the conduct of war at the strategic, operational, and tactical levels and form the foundation of the art and science of the military profession. The aim is to use primary and secondary historical resources to explore how past theory and practice have shaped the underlying policy, strategic planning, and operational procedures of today's military and national security agencies.

HIST 266 The United States in World Affairs (3)

A study of the United States as an emerging world power and of the domestic response to the nation's changing status in world affairs. Emphasis is on the relationship between the internal and the external development of the nation.

HIST 289 Historical Methods (3)

Prerequisite: A 100-level HIST course. An introduction to historical methods, approaches, and techniques. The goal is to explain what history is and why it matters, identify historical paradigms, and employ the moral and ethical standards of the historical profession. Focus is on the philosophical and practical skills employed by historians.

HIST 309 Historical Writing (3)

Prerequisite: HIST 289. A study of the historical research and writing process. The goal is to construct a framework for an original historical research project, locate and evaluate source materials, and demonstrate proficiency in research methods.

HIST 316L The American West (3)

An examination of the exploration, settlement, development, and mythology of the American West, from 1490 to 1990, with attention paid to the role of the West as a key factor in the formation of national identity. Assignments include advanced reading and research.

HIST 321 Ancient Greece and Rome (3)

Prerequisite: Any writing course. An examination of the history of ancient Greece and Rome from 800 BC to 476 CE. The goal is to examine primary and secondary sources to explore and analyze Greek and Roman thought, institutions, and culture and demonstrate their influences on the modern world.

HIST 326 The Roman Republic (3)

Prerequisite: Any writing course. A study of ancient Rome during the period 753 to 44 BC, from its founding to the assassination of Julius Caesar. The goal is to use primary and secondary historical resources to explore Roman thought and demonstrate its influence in the modern Western world and apply it to modern contexts. Focus is on Rome's conquest of the Mediterranean world, the social and political pressures that led to that conquest, and the consequent transformation and decline of the republic. Students may receive credit for only one of the following courses: HIST 326 or HIST 421.

HIST 337 Europe and the World (3)

An analysis of how European powers shaped and were shaped by global events between 1884 and 1989 from the Conference of Berlin to the fall of the Berlin Wall. Emphasis is on the reciprocal relationships between great cities and the outposts of European culture worldwide. The objective is to examine the interplay between Europe and colonial regions, subjects, cultures, politics, economies, and immigration.

HIST 365 Modern America (3)

A comprehensive survey course that examines the history of the United States from 1933 to 2001. Discussion will focus on the expanding federal government, the Cold War and its legacy, the struggle over constitutional rights and the changing landscape of American culture, society and politics. The goal is to understand the impact of domestic and global issues on American society.

HIST 370 America in the 20th Century (3)

Prerequisite: Any writing course. An examination of the emergence of institutions in the United States from 1900 to the end of the 20th century. The goal is to examine primary and secondary sources to explore and analyze how events, individuals, movements, and technological developments shaped modern America.

HIST 373 African American History (3)

Prerequisite: Any writing course. An examination of the history of African Americans in the United States from the colonial period to the end of the 20th century. The relationship between race and significant developments in American history (including slavery, war, industrialization, urbanization, technology, and culture) is evaluated. The goal is to examine primary and secondary sources to explore and analyze the historical experiences of African Americans and the ways in which race has shaped U.S. society.

HIST 377 U.S. Women's History: 1870 to 2000 (3)

An examination of the history of women in the United States from 1870 to the eve of the 21st century. The goal is to examine primary and secondary sources and documents to comprehend and articulate the impact of gender on the historical experiences of American women. Historical methodologies that focus on the ways in which race, class, ethnicity, and sexuality have shaped these experiences are used to analyze the varied experiences of U.S. women. The relationship between these experiences and the larger historical forces of the era including social movements, technology, and changing family roles and structure is evaluated. Students may receive credit for only one of the following courses: HIST 211, HIST 367, or HIST 377.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

HIST 381 America in Vietnam (3)

Prerequisite: A writing course. Recommended: WRTG 291. An examination of the complexity of the lengthy involvement of the United States in Vietnam. The goal is to engage in divergent historical interpretations and develop personal conclusions and perspectives about America's role in Vietnam and its legacy. Discussion covers the social, cultural, political, and military dimensions of the Vietnam War, beginning with the declaration of Vietnamese independence at the conclusion of World War II. Emphasis is on the influence of the media in shaping government policy and public opinion. Students may receive credit for only one of the following courses: BEHS 337 or HIST 381.

HIST 392 History of the Contemporary Middle East (3)

Prerequisite: A writing course. Recommended: WRTG 291. A survey of the history of the Middle East from the late 19th century to the present. The aim is to identify the important events of the last century in the Middle East; understand the sources of contention in that area; and examine the ideology, politics, and culture of the area and how they impact U.S.-Middle East relations. Focus is on major political, economic, social, and cultural trends that inform current events in the region. Topics include the late Ottoman Empire, European colonialism, the rise of nationalism and nation-states, the Arab-Israeli conflict, political Islam, the role of the United States in the region, and contemporary approaches to modernity in the Middle East.

HIST 395 History of Islam and the Middle East (3)

Prerequisite: Any writing course. An examination of the origins and development of Islam and its impact in shaping the history of the Middle East from 700 CE to the 20th century. The goal is to examine primary and secondary sources to explore and analyze the diversity of Islamic beliefs; the evolution of social, political, economic, and cultural institutions; and the major trends that influence contemporary Middle Eastern societies.

HIST 430 Tudor England (3)

Prerequisite: Any writing course. An examination of the political, religious, and social forces in English life during the Tudor reign (1485-1603). Emphasis is on Tudor government, the English Reformation, and the Elizabethan era.

HIST 462 The U.S. Civil War (3)

An examination of the origins, conduct, and impact of the American Civil War and Reconstruction (1850-77). The goal is to apply historical methodology to issues of the Civil War and Reconstruction; assess Civil War strategies, tactics, and operations; and evaluate how race, culture, politics, and technology affected the course of the Civil War and Reconstruction.

HIST 464 World War I (3)

Prerequisite: Any writing course. An intensive study of the First World War. Topics include the development of nationalism and socialism in late 19th-century Europe, the causes of the First World War, trench warfare on the western front, war in the Balkans, total war on the home fronts, the Russian Revolution of 1917, the collapse of the Central Powers, the 1918 settlements, the postwar conflicts that continued to haunt Europe until 1923, and the concept of the Lost Generation.

HIST 465 World War II (3)

An investigation of the global issues and events that led to the Second World War. Emphasis is on analyzing the factors that contributed to the competing ideologies, as well as the social, political, and economic conditions that ignited the most lethal conflict in human history. The goal is to understand the causes, nature, and outcome of the Second World War and the impact on the world in which we live.

HIST 495 Senior Thesis in History (3)

(Intended as a final, capstone course to be taken in a student's last 15 credits, preferably a year after completing HIST 309.) Prerequisites: At least 21 credits in HIST courses, including HIST 289 and HIST 309. Intensive research into a specific topic in history of the student's choice. The objective is to produce a substantial, original historical research project suitable for presentation or publication.

Homeland Security

HMLS 302 Introduction to Homeland Security (3)

Prerequisite: WRTG 112 or equivalent. An introduction to the theory and practice of homeland security in both the public and private sector at national, regional, state, and local levels. The objective is to apply management concepts to homeland security, identify legal and policy issues related to homeland security, and compare the four phases of homeland security. An overview of the administrative, legislative, and operational elements of homeland security programs and processes (including a review of homeland security history, policies, and programs) is provided. Topics include the threat of terrorism and countermeasures, including intelligence, investigation, and policy that support U.S. homeland security objectives.

HMLS 304 Strategic Planning in Homeland Security (3)

Prerequisite: HMLS 406. Recommended: HMLS 310, HMLS 408, HMLS 414, and HMLS 416. An examination of the fundamentals of strategic planning, necessary for the maintenance of domestic security and the operation of the homeland security organization in the public and private sectors. The goal is to develop and analyze homeland security strategic plans. Topics include organizational priorities, planning documents, policy development, legislation, financial operations, and the evaluation process. Analysis covers threat, risk, vulnerability, probability, and impact as parameters for decision making and resource allocation.

HMLS 406 Legal and Political Issues of Homeland Security (3)

Prerequisite: HMLS 302. A study of the legal aspects of and public policy on homeland security. The aim is to analyze governmental and private-sector roles and form a model homeland security policy. The development of public policy in homeland security is examined at local, regional, national, and international levels. Topics include surveillance, personal identity verification, personal privacy and redress, federal legislation passed in the aftermath of the terrorist attacks of 2001, the rights of foreign nationals, the rights of U.S. citizens, the governmental infrastructure for decisions concerning legal rights, and the difficulties of prosecuting terrorist suspects (such as jurisdictional issues, rules of evidence, and prosecution strategies).

Humanities

HUMN 100 Introduction to Humanities (3)

An introduction to the humanities through a review of some of the major developments in human culture. The goal is to analyze how societies express their ideas through art, literature, music, religion, and philosophy and to consider some of the underlying assumptions about the way societies are formed and run. Focus is on developing the conceptual tools to understand cultural phenomena critically.

HUMN 351 Myth in the World (3)

Recommended: HUMN 100. An interdisciplinary survey of myths from around the world. The objective is to evaluate the influences of myth on culture and society; develop critical reflection using the methods of interdisciplinary study; discuss how myths shape cultural, individual, and national identities; and communicate in writing and oral presentation the influence of world myths on material and nonmaterial culture. Topics include origin myths, comparative mythology, gender, archetypes, heroes, tricksters, material and nonmaterial culture, ritual, and sacred place.

Human Resource Management

HRMN 300 Human Resource Management (3)

A basic study of the strategic role of human resource management. The objective is to apply knowledge of human behavior, labor relations, and current laws and regulations to a working environment. Topics include employment laws and regulations, diversity in a global economy, total rewards management, and training and development for organizational success. Students may receive credit for only one of the following courses: BMGT 360, HRMN 300, or TMGT 360.

HRMN 302 Organizational Communication (3)

A study of the structure of communication in organizations. The goal is to apply theory and examples to improve managerial effectiveness in communication and negotiation. Problems, issues, and techniques of organizational communication are analyzed through case histories, exercises, and projects. Students may receive credit for only one of the following courses: BMGT 398N, HRMN 302, MGMT 320, MGST 315, or TEMN 315.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

HRMN 362 Labor Relations (3)

A survey of contemporary labor relations practices. The aim is to research and analyze labor relations issues and support the labor relations process. Discussion covers the history of organized labor in the United States, the role of third parties, organizing campaigns, the collective bargaining process, and the resolution of employee grievances. Students may receive credit for only one of the following courses: BMGT 362 or HRMN 362.

HRMN 367 Organizational Culture and Change (3)

An examination of the nature, definitions, theories, and aspects of organizational culture. The goal is to apply knowledge of organizational culture to develop a change-management plan. Analysis covers patterns of behavior and their relationship to organizational culture, especially the impact of the organization's business on employee behavior and culture. Topics include the role of nationality, gender, and race within organizational culture; implications of addressing organizational challenges; theory versus practice; and the relative roles of the individual, groups, and the organization in a cultural context. Students may receive credit for only one of the following courses: BMGT 398T or HRMN 367.

HRMN 395 The Total Rewards Approach to Compensation Management (3)

Prerequisite: HRMN 300. An exploration of alternative compensation philosophies that define total rewards as everything that employees value in the employment relationship. The objective is to design a total rewards program that ensures organizational success. Topics include building and communicating a total rewards strategy, compensation fundamentals, the conduct and documentation of a job analysis, linking pay to performance, employee motivation, and performance appraisal. Strategies such as incentive cash and/or stock compensation programs, employee ownership, benefits and nonmonetary rewards are discussed and evaluated. The interrelationships among compensation, motivation, performance appraisal, and performance within the organization are examined. Discussion also covers the design and implementation of a total rewards program, including organizational compatibility. Students may receive credit for only one of the following courses: BMGT 388L, HRMN 390, or HRMN 395.

HRMN 400 Human Resource Management: Issues and Problems (3)

Prerequisite: HRMN 300. A study of the role of human resource management in the strategic planning and operation of organizations, performance appraisal systems, and compensation and labor/management issues. The goal is to research and evaluate issues and present strategic solutions. The influence of federal regulations (including equal opportunity, sexual harassment, discrimination, and other employee-related regulations) is analyzed. A review of research findings, readings, discussions, case studies, and applicable federal regulations supports the critical evaluation of human resource problems. Students may receive credit for only one of the following courses: BMGT 460, HRMN 400, or TMGT 360.

HRMN 406 Employee Training and Development (3)

Prerequisite: HRMN 300. An examination of employee training and human resource development in various organizations. Topics include the development, administration, and evaluation of training programs; employee development; career development; and organizational change. Issues in employee development (including assessment of employee competencies, opportunities for learning and growth, and the roles of managers in employee development) are explored. Students may receive credit for only one of the following courses: BMGT 498I, HRMN 406, or MGMT 498I.

HRMN 408 Employment Law for Business (3)

(Designed for managers and human resource professionals.) Recommended: HRMN 300. A conceptual and functional analysis of the legal framework of employment relations. The aim is to understand employment law; comply with laws and regulations; and evaluate rights, obligations, and liabilities in the employment process, from hiring and staffing to compensation and layoff. Topics include discrimination based on race, national origin, religion, sex, affinity and sexual orientation, age, and disability; the hiring process, testing, and performance appraisal; employee privacy; wrongful discharge; employee benefits; health and safety; independent contractors; and labor unions. Students may receive credit for only one of the following courses: BMGT 468, BMGT 498G, HRMN 408, or MGMT 498G.

HRMN 467 Global Human Resource Management (3)

Prerequisite: HRMN 300. Recommended: HRMN 367.

A comprehensive study of global human resource management. The objective is to demonstrate intercultural competencies; identify trends in the globalized workforce; and analyze policies, practices, and functions in global human resources. Topics include global staffing, training, compensation, and evaluation.

HRMN 495 Contemporary Issues in Human Resource Management Practice (3)

(Intended as a final, capstone course to be taken in a student's last 15 credits). Prerequisite: HRMN 400. A study of human resource management that integrates knowledge gained through previous coursework and experience and builds on that conceptual foundation through integrative analysis, practical application, and critical thinking. The goal is to consider and analyze emerging issues in human resource management. Students may receive credit for only one of the following courses: BMGT 388K, HRMN 494, or HRMN 495.

Information Systems Management

IFSM 201 Concepts and Applications of Information Technology (3)

(Access to a standard office productivity package, i.e., word processing, spreadsheet, database, and presentation software, required.) An introduction to data and the range of technologies (including hardware, software, databases, and networking and information systems) that provide the foundation for the data-centric focus of modern organizations. The objective is to apply knowledge of basic technical, ethical, and security considerations to select and use information technology (and the data that arises from technology) effectively in one's personal and professional lives. Discussion covers issues related to technology as a vehicle for collecting, storing, and sharing data and information, including privacy, ethics, security, and social impact. Applied exercises focus on the manipulation, analysis, and visualization of data and effective data communication strategies. Students may receive credit for only one of the following courses: BMGT 301, CAPP 101, CAPP 300, CMST 300, IFSM 201, or TMGT 201.

IFSM 300 Information Systems in Organizations (3)

Prerequisite: WRTG 112 or equivalent. Recommended:

IFSM 201 (or another computing course appropriate to the academic major) and WRTG 293. An overview of information systems and how they provide value by supporting organizational objectives. The goal is to analyze business strategies to recognize how technology solutions enable strategic outcomes and to identify information system requirements by analyzing business processes. Discussion covers concepts of business processes and alignment of information systems solutions to strategic goals.

IFSM 301 Foundations of Management Information Systems (3)

Prerequisite: IFSM 300. An overview of information technology management and governance. The goal is to be familiar with IT organizations, management of IT strategy, and factors in IT decision making. Topics include strategic alignment, portfolio management, risk management, business continuity, compliance, and organizational relationships.

IFSM 304 Ethics in Information Technology (3)

Recommended: IFSM 201. A comprehensive study of ethics and of personal and organizational ethical decision making in the use of information systems in a global environment. The aim is to identify ethical issues raised by existing and emerging technologies, apply a structured framework to analyze risk and decision alternatives, and understand the impact of personal ethics and organizational values on an ethical workplace.

IFSM 305 Information Systems in Health Care Organizations (3)

An overview of how information systems provide value by supporting organizational objectives in the health care sector. The goal is to evaluate how technology solutions support organizational strategy in the health care environment and improve quality of care, safety, and financial management. Topics include the flow of data among disparate health information systems and the ethical, legal, and regulatory policy implications.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

IFSM 310 Software and Hardware Infrastructure Concepts (3)

Prerequisite: IFSM 301. A study of the hardware, software, and network components of computer systems and their interrelationships. The objective is to select appropriate components for organizational infrastructures. Discussion covers the application of system development life cycle methodology to build secure integrated systems that meet business requirements. Students may receive credit for only one of the following courses: CMIS 270, CMIS 310, CMSC 311, or IFSM 310.

IFSM 311 Enterprise Architecture (3)

Prerequisite: IFSM 310. A study of enterprise architecture and frameworks, including the transition of current business processes and functional systems to an enterprise solution. The aim is to analyze how enterprise architecture and resulting enterprise systems support an organization's ability to adapt and respond to a continually changing business and competitive environment.

IFSM 330 Business Intelligence and Data Analytics (3)

Recommended: IFSM 201 or IFSM 300. A hands-on, project-based introduction to databases, business intelligence, and data analytics. The aim is to design secure industry-standard databases and utilize business intelligence and data analytics techniques and technologies to support decision making. Topics include data and relational databases, SQL queries, business intelligence tools and alignment with business strategy, data analytics, and visualization techniques.

IFSM 370 Telecommunications in Information Systems (3)

Prerequisite: IFSM 300. An introduction to telecommunication infrastructure. The goal is to plan, analyze, and design a secure telecommunication infrastructure that meets business needs and protects information assets. Topics include cybersecurity, data communication protocols and standards, networks, and trends in telecommunications. Students may receive credit for only one of the following courses: CMIS 370, CMSC 370, CSIA 302, IFSM 370, or IFSM 450.

IFSM 380 Managing and Leading in Information Technology (3)

Prerequisite: IFSM 201 or IFSM 300. A foundation in leadership skills for the fast-paced information technology environment. The goal is to expand interpersonal communication skills, think critically, solve problems, and apply basic management principles to complete tasks effectively. Topics include effective communication in customer facing and managerial environments, critical thinking and problem solving, time management, and the application of leadership and management concepts in the workplace of today and tomorrow. Students may receive credit for only one of the following courses: IFSM 380 or IFSM 250.

IFSM 432 Business Continuity Planning (3)

Prerequisite: IFSM 311. An analysis of the requirements for business continuity and disaster recovery planning related to mission critical business information systems. The goal is to assess the risk to continuity of business processes, develop a Business Continuity/Disaster Recovery Plan according to industry standards and best practices, and develop a test plan. Topics include risk assessment and organizational requirements for maintaining systems. A group project is designed to produce and validate a comprehensive business continuity and disaster recovery plan. Students may receive credit for only one of the following courses: IFSM 432 or IFSM 498N.

IFSM 438 Information Systems Project Management (3)

Prerequisite: IFSM 300 or CSIA 350. A practical application of project management principles and procedures. The objective is to manage and control IT projects in alignment with organizational strategic goals and within resource constraints and to manage high-performing project teams to implement IT solutions. Topics include the development, control, and execution of plans to manage information systems projects as part of a team and the use of Microsoft Project to develop project schedules and related components. Students may receive credit for only one of the following courses: IFSM 438 or TMGT 430.

IFSM 461 Systems Analysis and Design (3)

Prerequisites: IFSM 311 and either IFSM 330 or CMIS 320. A project-driven study of tools and techniques for translating business requirements into operational systems. The goal is to plan, build, and maintain systems that meet organizational strategic goals by applying enterprise architecture and enterprise governance principles and practices. Topics include processes and system development life-cycle methodologies, data modeling methods, and the importance of stakeholder involvement. Students may receive credit for only one of the following courses: IFSM 436, IFSM 460, or IFSM 461.

Italian

ITAL 111 Elementary Italian I (3)

(Not open to native speakers of Italian: assumes no prior knowledge of Italian. Students with prior experience with the Italian language should take a placement test to assess appropriate level.) An introduction to the Italian language. The objective is to communicate in Italian in some concrete, real-life situations using the appropriate level of formality. Italian culture, historical references, current events, and geography are explored through the Italian language.

ITAL 112 Elementary Italian II (3)

(Not open to native speakers of Italian.) Prerequisite: ITAL 111 or appropriate score on placement test. A continued introduction to the Italian language. The goal is to listen to, speak, read, and write Italian in concrete, real-life situations and in culturally appropriate ways. Students will continue to explore Italian culture, historical references, current events, and geography through the Italian language, using authentic materials when possible.

ITAL 211 Intermediate Italian I (3)

Prerequisite: ITAL 112 or appropriate score on a placement test. An intermediate-level study of the Italian language. The aim is to improve listening, speaking, reading, and writing skills in Italian, and apply them in a variety of real-life situations and social contexts in culturally appropriate ways. Authentic Italian materials are used as much as possible to explore aspects of Italian life and culture.

ITAL 212 Intermediate Italian II (3)

Prerequisite: ITAL 211 or appropriate score on a placement test. Further intermediate-level study of the Italian language. The objective is to listen to, speak, read, and write Italian and interact effectively with native speakers in a variety of personal and professional settings in culturally appropriate ways. Continued exploration of aspects of Italian life and culture are explored through authentic materials.

ITAL 311 Advanced Conversation I (3)

Prerequisite: ITAL 212 or consent of the faculty member. Training in understanding Italian without being confused by syntactical structures. Emphasis is on conversing in a spontaneous and idiomatic manner.

ITAL 312 Advanced Conversation II (3)

Prerequisite: ITAL 212 or consent of the faculty member. Further training in understanding Italian without being confused by syntactical structures. Emphasis is on conversing in a spontaneous and idiomatic manner.

ITAL 333 Italian Society and Culture I (3)

(Fulfills the general education requirement in the arts and humanities. Conducted in English.) A study of the origin and historical background of contemporary Italian society and culture.

Journalism

JOUR 201 Introduction to News Writing (3)

(Fulfills the general education requirement in communications.) Prerequisite: WRTG 112 or equivalent. An introduction to writing news articles for print and electronic media. The aim is to evaluate the newsworthiness of information and events and write in journalistic style. Emphasis is on writing, from mechanics (grammar, spelling, punctuation, and journalistic style) to content (accuracy, completeness, audience, and readability) and reporting.

Library Skills and Information Literacy

LIBS 150 Introduction to Research (1)

An introduction to the research process and methods for retrieving information in a library or through online sources. The aim is to identify an information need and locate, evaluate, and use appropriate resources in keeping with academic integrity and ethical standards. Focus is on implementing effective strategies for finding relevant information—including selecting appropriate print and electronic sources and effectively using web search engines and UMGC Information and Library Services' electronic resources to find information—and evaluating and correctly citing the information found. Students may not earn credit for LIBS 150 through challenge exam or portfolio credit and may receive credit for only one of the following courses: COMP 111, LIBS 100, or LIBS 150.

Marketing

MRKT 310 Marketing Principles (3)

A foundation in the principles of marketing used to manage profitable customer relationships. The objective is to understand the pivotal role of marketing within both an organization's strategic plan and the marketing process and determine marketing strategies and tactics. Topics include consumer behavior, competitive analysis, segmentation, target marketing, positioning, branding, new product development, pricing, value chains, and marketing communications. Students may receive credit for only one of the following courses: BMGT 350, MGMT 322, MRKT 310, or TMGT 322.

MRKT 311 Digital Marketing Principles (3)

An introduction to the various types of digital marketing and the skills needed for each type. The aim is to understand the various stages in the customer journey and marketing funnel. Discussion covers developing a unique value proposition and assessing the contribution of a SWOT (strengths, weaknesses, opportunities, threats) analysis to a marketing plan. Projects involve the application of key metrics and key performance indicators (KPIs) commonly used in digital marketing and culminate in the presentation of a digital marketing plan.

MRKT 314 Nonprofit Marketing (3)

Prerequisite: MRKT 310. An overview of the key issues of marketing in a nonprofit organization. The aim is to develop marketing plans that maximize exchange relationships with multiple stakeholders. Topics include the application of marketing-mix principles. Projects include researching and writing a grant proposal. Students may receive credit for only one of the following courses: BMGT 398B or MRKT 314.

MRKT 354 Integrated Marketing Communications (3)

Prerequisite: MRKT 310 or MRKT 311. A study of the integration of marketing communication strategies to coordinate the marketing mixes components and achieve harmony in messages to customers and other stakeholders. Emphasis is on leveraging various digital tools to achieve customer-centered marketing communications objectives. Topics include various communication modalities, e.g., digital media (including search, display, and social media), traditional advertising, personal selling, sales promotion, public relations, and direct marketing.

MRKT 355 Integrated Marketing Communications in Digital Media (3)

Prerequisite: MRKT 311. An examination of how to leverage various digital media tools to achieve customer-centric marketing communication objectives. Focus is on using search-and-display marketing as an effective aspect of an integrated marketing communication strategy. Discussion covers how to develop advertising campaigns on paid ad platforms and using keywords to promote digital content in online searches.

MRKT 356 Email Marketing (3)

Prerequisite: MRKT 311. An introduction to various aspects of an effective email marketing campaign using segmentation, personalization, automation, and data analysis strategies. Topics include techniques to incorporate triggers in automated campaigns and generate Mailchimp email campaign reports. A final project entails presentation of a plan to execute an effective email campaign.

MRKT 394 Managing Customer Relationships in Digital Marketing (3)

Prerequisite: MRKT 310 or MRKT 311. The analysis of digital marketing strategies in order to promote and retain customer relationships. Topics include identifying potential customers and analyzing data to improve the results of marketing campaigns. Hands-on experience in using Google Analytics and conducting A/B tests is provided through course projects. Data visualization techniques are used to gain better insights into customer experience.

MRKT 410 Consumer Behavior (3)

(Not open to students who have completed MRKT 411. Not applicable to the certificate in Digital Marketing.)

Prerequisite: MRKT 310. A study of the increasing importance of understanding consumers in the marketing system. The objective is to assess internal, external, and situational factors in developing marketing strategies; apply internal factors to market segmentation; and formulate marketing-mix strategies. Discussion covers the foundations of consumer behavior (such as economic, social, psychological, and cultural factors) and the influence of well-directed communications. Consumers are analyzed in marketing situations as buyers and users of products and services and in relation to the various social and marketing factors that affect their behavior. Students may receive credit for only one of the following courses: BMGT 451, CNEC 437, or MRKT 410.

MRKT 411 Consumer Behavior in Digital Media (3)

Prerequisite: MRKT 311. A study of consumer motivation and consumer behavior in a digital environment. The aim is to synthesize consumer research in order to develop insights into the target audience. Topics include branding, content development, and channel management strategy and their contribution to the consumer experience. Discussion also covers effective blog writing and developing optimum visual designs to influence consumer behavior.

MRKT 412 Marketing Research (3)

Prerequisites: MATH 105 and MRKT 310. A study of the specialized field of marketing research as it is used to identify market needs, profile target markets, test promotional efforts, and measure the effectiveness of marketing plans. The goal is to assess marketing research needs, design and implement a marketing research plan, and use results to formulate marketing strategies. Discussion covers procedures for planning survey projects, designing statistical samples, tabulating data, and preparing reports. Emphasis is on managing the marketing research function. Students may receive credit for only one of the following courses: BMGT 452 or MRKT 412.

MRKT 454 Global Marketing (3)

Prerequisite: MRKT 310. An in-depth study of marketing principles as they relate to the global marketplace. The aim is to apply marketing principles and strategies to a global organization and markets. Discussion covers the influence of internationalization on the U.S. economy, the competitive pressures on the intensifying global markets, and the development of marketing plans tailored to reach international and global markets. Topics also include the political, economic, legal, regulatory, and sociocultural trends affecting international marketing; the dynamic environments in which global marketing strategies are formulated; and the challenge of implementing marketing programs leading to competitive advantage.

MRKT 458 Social Media Marketing (3)

Prerequisite: MRKT 310 or MRKT 311. A study of the effective use of social media tools and networks to market products and services. The objective is to develop an optimal social media strategy that simulates a digital ad campaign. Topics include techniques to plan and create digital content. Project assignments involve creating ads in Facebook using Facebook's Ads Manager tools. Discussion also covers reporting on and analyzing online advertisements and managing social media communities.

MRKT 495 Strategic Marketing Management (3)

(Intended as a final, capstone course to be taken in a student's last 15 credits.) Prerequisites: MRKT 354, MRKT 410, and MRKT 412. A study of marketing that integrates knowledge gained through previous coursework and experience in marketing and builds on those concepts through integrative analysis, practical application, and critical thinking. The aim is to manage the marketing process, perform root cause analysis, formulate alternative solutions, and propose marketing strategies and tactics. Emphasis is on the use of appropriate decision models. Topics include the analysis of consumers and markets. Discussion also covers emerging issues. Students may receive credit for only one of the following courses: BMGT 457 or MRKT 495.

Mathematics

MATH 103 College Mathematics (3)

This course focuses on data driven applications and the development of critical thinking skills related to mathematics. Topics include problem solving, equations, inequalities, linear systems, graphs, functions, consumer mathematics, financial management, probability, and statistics.

MATH 105 Topics for Mathematical Literacy (3)

(For students who do not need a college algebra, statistics, or higher-level mathematics course. Meets the general education requirement in mathematics.) An investigation of contemporary topics in mathematics. The aim is to apply mathematical processes to solve problems involving exponential and logarithmic modeling, personal finance, probability, basic logical thinking, and statistical reasoning.

MATH 107 College Algebra (3)

(The first course in the two-course series MATH 107–MATH 108. An alternative to MATH 115.) An introduction to equations and inequalities and a study of functions and their properties, including the development of graphing skills with polynomial, rational, exponential, and logarithmic functions. The objective is to apply appropriate technology and demonstrate fluency in the language of algebra; communicate mathematical ideas; perform operations on real numbers, complex numbers, and functions; solve equations and inequalities; analyze and graph circles and functions; and use mathematical modeling to translate, solve, and interpret applied problems. Technology is used for data modeling. Discussion also covers applications. Students may receive credit for only one of the following courses: MATH 107 or MATH 115.

MATH 108 Trigonometry and Analytical Geometry (3)

(The second course in the two-course series MATH 107–MATH 108. An alternative to MATH 115.) Prerequisite: MATH 107. An introduction to trigonometric functions, identities, and equations and their applications. The goal is to demonstrate fluency in the language of trigonometry, analytic geometry, and selected mathematical topics; communicate mathematical ideas appropriately; apply and prove trigonometric identities; solve triangles and trigonometric equations; and perform vector operations. Discussion covers analytical geometry and conic sections, systems of linear equations, matrices, sequences, and series. Students may receive credit for only one of the following courses: MATH 108 or MATH 115.

MATH 115 Pre-Calculus (3)

(Not open to students who have completed MATH 140 or any course for which MATH 140 is a prerequisite.) An explication of equations, functions, and graphs. The goal is to demonstrate fluency in pre-calculus; communicate mathematical ideas appropriately; solve equations and inequalities; analyze and graph functions; and use mathematical modeling to translate, solve, and interpret applied problems. Topics include polynomials, rational functions, exponential and logarithmic functions, trigonometry, and analytical geometry. Students may receive credit for only one of the following courses: MATH 107, MATH 108, or MATH 115.

MATH 140 Calculus I (4)

Prerequisite: MATH 108 or MATH 115. An introduction to calculus. The goal is to demonstrate fluency in the language of calculus; discuss mathematical ideas appropriately; and solve problems by identifying, representing, and modeling functional relationships. Topics include functions, the sketching of graphs of functions, limits, continuity, derivatives and applications of the derivative, definite and indefinite integrals, and calculation of area. Students may receive credit for only one of the following courses: MATH 130, MATH 131, or MATH 140.

MATH 141 Calculus II (4)

(A continuation of MATH 140.) Prerequisite: MATH 140.

A study of integration and functions. The aim is to demonstrate fluency in the language of calculus; discuss mathematical ideas appropriately; model and solve problems using integrals and interpret the results; and use infinite series to approximate functions to model real-world scenarios. Focus is on techniques of integration, improper integrals, and applications of integration (such as volumes, work, arc length, and moments); inverse, exponential, and logarithmic functions; and sequences and series. Students may receive credit for only one of the following courses: MATH 131, MATH 132, or MATH 141.

Music**MUSC 210 Music as Cultural Expression (3)**

A study of the role of music in various cultures. The objective is to identify key features that define various genres of world music, articulate the roles and functions of music in world cultures, use the medium of music to explore intercultural relationships, and consciously define personal musical perspectives. Discussion covers music from various cultural traditions and the contexts in which composers and musicians practice their craft. Students may receive credit for only one of the following courses: HUMN 211 or MUSC 210.

MUSC 391 Great Composer Series: Beethoven (3)

A survey of the life and music of Beethoven. Biographical data, a historical and cultural overview of Beethoven's Vienna, and analytical studies of representative works by Beethoven are included.

MUSC 392 Great Composer Series: Mozart (3)

A survey of the historical, musical, and biographical background of Mozart. Stylistic traits of his music are examined through representative compositions.

MUSC 436 Jazz: Then and Now (3)

An examination of jazz in America during the past 75 years—its major styles and influential artists. Students may receive credit for only one of the following courses: HUMN 436 or MUSC 436.

Natural Science**NSCI 100 Introduction to Physical Science (3)**

Prerequisite: MATH 103, MATH 105, STAT 200, or a higher-numbered MATH or STAT course. An introduction to the basic principles of physics and chemistry, with applications to geology, oceanography, meteorology, and astronomy. The objective is to use scientific and quantitative reasoning to make informed decisions about topics related to physical science. Discussion covers the development of scientific thinking, the scientific method, the relationships among the various physical sciences, the role of the physical sciences in interpreting the natural world, and the integrated use of technology. Students may receive credit for only one of the following courses: GNSC 100, NSCI 100, or NSCI 103.

NSCI 101 Physical Science Laboratory (1)

(Fulfills the laboratory science requirement.) Prerequisite: MATH 103, MATH 105, STAT 200, or a higher-numbered MATH or STAT course. Prerequisite or corequisite: NSCI 100. A laboratory study of the basic principles of physics and chemistry, with applications to geology, oceanography, meteorology, and astronomy. The objective is to apply the scientific method and use scientific and quantitative reasoning to make informed decisions about experimental results in the physical sciences. Discussion and laboratory activities cover the development of scientific thinking, the scientific method, the relationships among the various physical sciences, and the role of the physical sciences in interpreting the natural world.

NSCI 110 Introduction to Oceanography (3)

(Not for students majoring or minoring in science.) A survey of the major physical and chemical facets of the oceans. Topics include the properties of water, air-sea interactions, waves, tides, and coastal geology; plate tectonics; and resources of the sea. Marine life and ecology are briefly introduced. Current topics such as El Niño, global warming, and the effects of human activity on the oceans are also discussed. Students may receive credit for only one of the following courses: GNSC 110 or NSCI 110.

NSCI 170 Weather and Climate (3)

An introduction to the basic principles of atmospheric science. The goal is to use scientific and quantitative reasoning to make informed decisions about topics related to atmospheric science. Topics include the effect of different weather elements (such as temperature, pressure, winds, and humidity) on weather patterns and climate. Discussion also covers weather phenomena such as El Niño, thunderstorms, tornadoes, tropical cyclones, and midlatitude cyclones, as well as the impact of humans on Earth's atmosphere. Students may receive credit for only one of the following courses: GNSC 170, GNSC 398D, or NSCI 170.

NSCI 171 Weather and Climate Laboratory (1)

(Fulfills the laboratory science requirement.) Prerequisite or corequisite: NSCI 170. An introduction to the basic concepts of meteorology. The aim is to apply the scientific method and use scientific and quantitative reasoning to make informed decisions about experimental results in meteorology. Focus is on the observation, measurement, and analysis of weather data, including the interpretation of weather patterns and conditions found on weather maps, satellite images, radar imagery, and atmosphere diagrams. Students may receive credit for only one of the following courses: GNSC 171 or NSCI 171.

NSCI 362 Our Environment: Human Impact and Sustainable Choices (3)

A scientific examination of the impact humans have had on the global environment in the current era, the Anthropocene. The goal is to apply scientific reasoning to evaluate human impact on the environment and strategies to mitigate this impact. Topics address sustainability as it relates to individual choices, collective responsibility, environmental stewardship, energy use, diet, and consumer behavior. Current scientific research is used to explore environmental issues such as population growth, climate change, resource depletion, biodiversity losses, food security, and the economic implications of making sustainable choices. Students may receive credit for only one of the following courses: BEHS 361, BEHS 365, ENMT 365, GNSC 361, HUMN 360, NSCI 361, or NSCI 362.

Nutrition

NUTR 100 Elements of Nutrition (3)

A study of the scientific and quantitative foundations of the applied science of human nutrition. The goal is to understand how nutrition reflects an integration of scientific disciplines and how foods provide important nutrients that supply substance and energy for healthy living. Topics include scientific reasoning, healthy meal planning, and weight management. Students may receive credit for only one of the following courses: NUTR 100 or NUTR 200.

NUTR 101 Nutrition Laboratory (1)

(For students not majoring in biotechnology or laboratory management. Fulfills the laboratory science requirement only with previous or concurrent credit for NUTR 100.) Prerequisite or corequisite: NUTR 100. A hands-on study of human nutrition. The goal is to use an experimental approach to questions in nutrition science. Laboratory exercises emphasize critical thinking in the analysis of quantitative data derived from investigations into various areas of nutrition science, including energy balance, macro- and micronutrients, food guidelines, and food safety.

Philosophy

PHIL 100 Introduction to Philosophy (3)

An introduction to the literature, problems, and methods of philosophy. The goal is to identify and consider central, recurring problems of philosophy. Emphasis is on developing awareness of the significance of philosophical problems and learning to offer rationally justifiable solutions. Students may receive credit for only one of the following courses: HUMN 125 or PHIL 100.

PHIL 110 Practical Reasoning (3)

An examination of methods for thinking analytically about real-world problems and solving them. The goal is to apply logical arguments to practical decision making. Topics include inductive and deductive reasoning; the properties of arguments; methods of logical analysis; synthesis of ideas; informal fallacies; and the role of presuppositions and other factors in scientific, social, ethical, and political problems.

PHIL 140 Introduction to Moral Philosophy and Ethical Reasoning (3)

An introductory exploration of the foundational theories of Eastern and Western moral philosophy and an examination of methods for thinking clearly about ethical issues. The objective is to employ a knowledge of moral theory and the methods of ethical reasoning to address contemporary ethical issues and dilemmas in areas such as business, medicine, information technology, and personal ethics. Students may receive credit for only one of the following courses: HUMN 300 or PHIL 140.

PHIL 304 Contemporary Social Justice Issues (3)

Recommended: PHIL 100 and PHIL 140. An exploration of the political and ethical writings of philosophers who shaped contemporary ideas of social justice and individual rights. The objective is to evaluate political theories and philosophies; defend ethical reasoning on issues of justice; and communicate critical reflections on contemporary social justice issues such as environmental justice, healthcare, racial justice, women's rights, immigration, and religious freedom. Topics include freedom and the social contract, individual and human rights, distributive and economic justice, gender and racial justice, and internationalism and theories of war.

PHIL 336 Ideas Shaping the 21st Century (3)

Recommended: PHIL 100 or PHIL 110. An exploration of the philosophical arguments concerning the ideas shaping human knowledge in the 21st century. The objective is to evaluate the ideas and arguments that shape human understanding of reality from antiquity to the 21st century, develop critical reflection of these ideas utilizing the tools of analytical philosophy, and communicate the results of philosophical and critical reflection in writing and oral presentation. Topics include an introduction to analytical philosophy, the human mind, consciousness, materialism, naturalism, and the limits of scientific realism. Students may receive credit for only one of the following courses: HUMN 336 or PHIL 336.

Physics

PHYS 121 Fundamentals for Physics I (4)

(The first course in a two-course sequence for students majoring or minoring in science. Fulfills the laboratory science requirement.) Prerequisite: MATH 107, MATH 108, or MATH 115. An exploration of mechanics. The aim is to apply the laws of physics to a broad range of motion-related physical phenomena. Topics include kinematics, force, dynamics, conservation laws, and rotational motion. Elementary trigonometric and vector properties are used.

PHYS 122 Fundamentals for Physics II (4)

(A continuation of PHYS 121. Fulfills the laboratory science requirement.) Prerequisite: PHYS 121 or equivalent. An exploration of heat, waves, electricity, magnetism, optics, and modern physics. The aim is to apply the laws of physics to a broad range of physical phenomena. Topics include the laws of thermodynamics, ideal gas law, Coulomb's law, electric field and potential, Ohm's law, magnetic field and force, Ampere's law, Faraday's law, electromagnetic waves, image formation by lenses and mirrors, Bohr model of atom, radioactivity, and nuclear decay.

Portuguese

For further information, refer to Foreign Languages.

Professional and Career Exploration

PACE 100 Professional and Career Exploration for Transfer Students (3)

(Fulfills the general education requirement in professional explorations for eligible transfer students with 45 or more credits in transfer.) A condensed orientation to UMGC and exploration of how UMGC academic programs align to professional goals and career options. Focus is on exploring ways to develop and enhance career opportunities, becoming familiar with program options, and reflecting on personal goals. Students may receive credit for only one of the following courses: PACE 100, PACE 111B, PACE 111C, PACE 111M, PACE 111P, PACE 111S, or PACE 111T.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

PACE 111B Program and Career Explorations in Business (3)

(Fulfills the general education requirement in research and computing literacy.) An orientation to UMGC and exploration of how UMGC academic programs align to professional goals and career options. Focus is on developing and practicing communication, teamwork, professionalism, and integrity skills while exploring ways to develop and enhance career opportunities. The aim is to become familiar with the university's academic culture and expectations; learn about UMGC resources for success; reflect on academic and professional goals; and explore opportunities to shorten programs through transfer credit and other prior learning. Students may receive credit for only one of the following courses: PACE 111B, PACE 111C, PACE 111M, PACE 111P, PACE 111S, or PACE 111T.

PACE 111M Program and Career Explorations in Multidisciplinary Studies (3)

(Fulfills the general education requirement in research and computing literacy.) An orientation to UMGC and exploration of how UMGC academic programs align to professional goals and career options. Focus is on developing and practicing communication, teamwork, professionalism, and integrity skills while exploring ways to develop and enhance career opportunities. The aim is to become familiar with the university's academic culture and expectations; learn about UMGC resources for success; reflect on academic and professional goals; and explore opportunities to shorten programs through transfer credit and other prior learning. Students may receive credit for only one of the following courses: PACE 111B, PACE 111C, PACE 111M, PACE 111P, PACE 111S, or PACE 111T.

PACE 111T Program and Career Explorations in Technology (3)

(Fulfills the general education requirement in research and computing literacy.) An orientation to UMUC and exploration of how UMUC academic programs align to professional goals and career options. Focus is on developing and practicing communication, teamwork, professionalism, and integrity skills while exploring ways to develop and enhance career opportunities. The aim is to become familiar with the university's academic culture and expectations; learn about UMUC resources for success; reflect on academic and professional goals; and explore opportunities to shorten programs through transfer credit and other prior learning. Students may receive credit for only one of the following courses: PACE 111B, PACE 111C, PACE 111M, PACE 111P, PACE 111S, or PACE 111T.

Psychology

PSYC 100 Introduction to Psychology (3)

A survey of the basic principles, research concepts, and problems in psychological science. The biological, cognitive, and social perspectives of human thought and behavior are addressed. The goal is to apply major concepts and use the scientific method to enhance the understanding of individual, community, and organizational life experiences. Topics include neuroscience, sensation and perception, learning and conditioning, memory, motivation, language and intelligence, personality and social behavior, and psychopathology and therapy. Applications of psychology are also presented. Students may receive credit for only one of the following courses: BEHS 101 or PSYC 100.

PSYC 300 Research Methods in Psychology (3)

Prerequisites: PSYC 100 and STAT 200. A survey of research methods focusing on the fundamentals of research design and behavior. The aim is to apply research methodologies critically and creatively to communicate effectively about the domains of psychology. Topics include scientific writing using APA style, evaluation of research literature, and ethical issues in research. Practice is provided in asking research questions, formulating research hypotheses, designing and conducting a simulated research study, and presenting results. Students may receive credit for only one of the following courses: PSYC 300 or PSYC 305.

PSYC 301 Biological Basis of Behavior (3)

Prerequisite: PSYC 100. Recommended: PSYC 300. An introduction to the anatomical structures and physiological processes that determine behavior. The objective is to use scientifically valid resources to communicate effectively about the biological basis of behavior. Topics include the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors (such as sleep, learning, memory, sex, and language), as well as the basic functioning of the nervous system.

PSYC 307H Sleep and Dreams (1)

An introduction to the clinical, cultural, and research aspects of sleep and dreams. The aim is to understand the various scientific theories on the nature of sleep and dreams. Topics include historical and theoretical approaches to sleep and dreams, sleep deprivation and disorders, biological rhythms, typical dreams, and dream interpretation.

PSYC 309BP Stress and Stress Management (1)

This course is an exploration of the nature and causes of stress and techniques for its management. The aim is to identify a variety of techniques to mitigate stress. The biopsychosocial perspective is examined in relation to the stresses produced in a variety of contexts. The four main areas of study are the physiological effects of stressors, the impact of cognitive appraisal, interpersonal relationships, and techniques for the management of personal stress.

PSYC 309KL Psychology of Grief and Loss (1)

An examination of the psychological and social issues related to grief and loss. This course provides an overview of theoretical and sociocultural underpinnings to enhance understanding of the complex phenomena of death, dying, grief, and loss. Topics include loss-related phenomena, various grief reactions, models and theories of grief, tools and methods in dealing with grief and loss, bereavement support, cultural responses, meaning making as an antidote to the loss of hope, and the potential for posttraumatic growth.

PSYC 3090 Cyberpsychology (1)

An examination of the psychology of human and computer interaction. The aim is to apply knowledge of psychological principles and research to emerging technologies and evaluate the appropriateness of delivery modality. Topics include e-therapy, online identities and interaction, and artificial intelligence. Emphasis is on the analysis of human-computer interactions and the application of technology in multiple settings.

PSYC 309VG Emotional Well-Being (1)

This course provides an overview of emotional well-being and concepts that can promote an understanding of personal emotions and overall psychological health. In this course, students will learn information pertaining to emotional IQ, or EQ, and developing self-regulated, emotional wellness and happiness. Students will explore the science behind emotion, self-management techniques, as well as methods to address healthy relationships. The course also looks at different strategies for building emotional intelligence, such as taking ownership of emotions, becoming emotionally self-aware, and identifying emotions. This one credit hour seminar consists of a combination of classroom lecture and online work.

PSYC 310 Sensation and Perception (3)

Prerequisite: PSYC 100. Recommended: PSYC 300 and PSYC 301. A survey of theories and historical and contemporary research in how the auditory, visual, gustatory, olfactory, kinesthetic, and tactile senses acquire information and how psychological, anatomical, physiological, and environmental factors help us perceive the world. The objective is to apply an understanding of complex neural and behavioral processes to evaluate research and analyze variations within and between species.

PSYC 321 Social Psychology (3)

Prerequisite: PSYC 100. Recommended: PSYC 300. An examination of the influence of social factors on individual and interpersonal behaviors. The objective is to analyze the underlying causes of individual and group behavior and the ways in which group attitudes and behaviors are related. Topics include conformity, attitudinal change, personal perception, and group behavior. Students may receive credit for only one of the following courses: BEHS 221, BEHS 421, BEHS 450, PSYC 221, or PSYC 321.

PSYC 332 Psychology of Human Sexuality (3)

Prerequisite: PSYC 100. An examination of human sexuality and sexual behavior. The objective is to apply knowledge of the physiology and psychology of human sexuality. Topics include sexual anatomy, intimate relationships, sexual health, and sexual identity across the lifespan. Students may receive credit for only one of the following courses: BEHS 363, HLTH 377, or PSYC 332.

PSYC 335 Theories of Personality (3)

(Formerly PSYC 435.) Prerequisite: PSYC 100. Recommended: PSYC 300. A study of major theories and perspectives on personality. The goal is to explain and evaluate major concepts in personality. Topics include trait, psychodynamic, behavioral, and humanistic theories. Methods of personality research and relevant findings are also introduced. Students may receive credit for only one of the following courses: PSYC 335 or PSYC 435.

PSYC 338 Psychology of Gender (3)

Prerequisite: PSYC 100. A survey of the biological, lifespan development, socialization, personality attributes, mental health factors, and special considerations associated with gender. The aim is to apply knowledge of cultural and historical influences relating to gender. Topics include conceptions of gender, gender roles, and gender similarities and differences.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

PSYC 341 Memory and Cognition (3)

Prerequisite: PSYC 100. Recommended: PSYC 300.
An introduction to basic models, methods of research, and findings in the fields of memory, problem solving, and language. The objective is to apply knowledge of cognitive processes to a variety of situations including organizational and educational settings. Both applications and theory are explored.

PSYC 351 Lifespan Development (3)

Prerequisite: PSYC 100. Recommended: PSYC 300. An integrated study of the biological, socioemotional, and cognitive development of humans from conception through death. The aim is to apply knowledge of lifespan development to interpersonal, community, and organizational relationships. Emphasis is on the interaction of nature and nurture on one's physiology, capability, and potential at each progressive stage of development.

PSYC 353 Abnormal Psychology (3)

Prerequisite: PSYC 100. Recommended: PSYC 300.
An examination of mental disorders across the lifespan. The goal is to evaluate emerging issues in abnormal psychology. Topics include the identification and diagnosis of specific disorders and the evolution of treatment protocols. Students may receive credit for only one of the following courses: PSYC 331, PSYC 353, or PSYC 431.

PSYC 354 Cross-Cultural Psychology (3)

Prerequisite: PSYC 100. Recommended: PSYC 300.
An examination of the interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being. The aim is to apply analysis of cultural factors to make decisions, solve problems, and communicate effectively. Issues of globalization, diversity, cultural bias, and cross-ethnic communication are addressed.

PSYC 386 Psychology of Stress (3)

Prerequisite: PSYC 100. An examination of the forces that define and determine the stress response. The aim is to apply stress management techniques to remediate the negative impact of stress. Stress is studied as the product of the interactions among one's social structure, occupational status, and psychological and physiological levels of well-being. The psychological perspective is examined in relation to the stresses produced in a variety of contexts, such as families and work organizations. Students may receive credit for only one of the following courses: BEHS 463, HLTH 285, or PSYC 386.

PSYC 432 Introduction to Counseling Psychology (3)

Prerequisite: PSYC 100. Recommended: PSYC 300 and PSYC 335. A survey and critical analysis of research and intervention strategies developed and used by counseling psychologists. The goal is to evaluate current trends in content and methodology. Topics include counseling protocols in various applied settings.

PSYC 436 Introduction to Clinical Psychology (3)

Prerequisite: PSYC 100. Recommended: PSYC 300 and PSYC 353. A survey of diagnostic and therapeutic strategies employed by clinical psychologists. The objective is to evaluate current trends in content and methodology. Topics include the identification, diagnosis, and treatment of mental health disorders. Emphasis is on the scientist-practitioner model and the critical analysis of theories and empirical research.

PSYC 437 Positive Psychology (3)

Prerequisite: PSYC 100. A survey of the science of positive psychology. The aim is to analyze and evaluate theories and applications of positive psychology. Focus is on the unique characteristics of the human experience that contribute to health and well-being. Topics include hope, optimism, human strengths, happiness, flow, and attachment.

PSYC 495 Senior Seminar in Psychology (3)

(Intended as a final, capstone course to be taken in a student's last 15 credits.) Prerequisites: PSYC 100, PSYC 300, and completion of all requirements for the psychology major. A study of psychology that integrates knowledge gained through previous coursework and experience. The aim is to build on that conceptual foundation through case study, reflective essays, and portfolio development

Social Work

UMGC Europe is partnered with Salisbury University to offer undergraduate courses leading to a Bachelor of Arts in Social Work. If you are interested in exploring the field of social work, you may take the following introductory courses. Additional courses may be found on the UMGc Europe website at europe.umgc.edu/courses.

To learn more about this program, see p. 128, contact your academic advisor, or visit europe.umgc.edu/socialwork.

FTWL 106 Lifelong Fitness and Wellness (3)

Covers topics including the components of fitness, nutrition, weight management, cancer, cardiovascular disease and stress management within the framework of the six dimensions of wellness. Includes both lecture and physical fitness components.

SOWK 200 Introduction to the Social Work Profession (4)

Introduces the social work profession and provides an overview of fields of social welfare services. Explores the various professional roles social workers play in working in each field. Examines the social welfare system as a society's responses to human need and structure for delivery of social services. Thirty hours of volunteer service (or alternative assignment) in a social agency required.

SOWK 300 Human Behavior in the Social Environment I (4)

Prerequisite: SOWK 200 or permission of instructor. Examines human development in the social environment using the bio-psycho-social-cultural-spiritual perspective. Explores developmental theories to help inform social work assessment at the micro and mezzo levels of practice. Examines both the developmental and problematic aspects of the stages of the life cycle. Discusses the social systems of individual, family, group, community, and society. Develops foundation assessment skills.

SOWK 302 Human Behavior in the Social Environment II (4)

Prerequisites: SOWK 200, SOWK 300, or permission of instructor. Examines communities, groups, and organizations as social systems and environmental contexts. Reflects social work's values and principles in the macro social environment, and the integration of theories drawn from sociology, psychology, biology, anthropology, and economics to understand and critically analyze the multiple influences on human behavior as affected by race, class, gender, age, and sexual orientation. Develops macro assessment skills within the framework of empowerment.

SOWK 306 Social Welfare History and Contemporary Issues (4)

Prerequisite: SOWK 200 or permission of instructor. Provides an introduction to the field of social welfare, primarily in the United States and major social movements. Examines the history of the social welfare system and social work profession, in the context of societal factors with particular attention to the intersectionality of race, class, and gender. Explores the impact of values and beliefs on the development of the modern U.S. social welfare system. Investigates the dynamics of privilege and oppression as part of the political, economic, and social factors that influence the policies and services provided by social work practitioners.

SOWK 310 Basic Interviewing: Skills and Techniques (2)

Develops basic interviewing skills for assessing, goal setting, and intervention for use in home service and social work settings. Emphasizes skill application with diverse populations.

SOWK 320 Social Work Practice I (4)

Prerequisites: Admission social work program. Prepares students for a generalist approach to social work practice with individuals. Emphasizes knowledge, values, ethics and skills needed to develop effective helping relationships. Includes basic theories for intervention with focus on micro level problem solving and basic interview skills.

SOWK 330 Social Work Policy Practice: Analyst and Advocate (4)

Prerequisites: SOWK 200 and SOWK 306. Builds upon the foundation content of the SOWK 306 Social Welfare History and Contemporary Issues course, providing understandings of social welfare policy analysis with micro, mezzo, and macro social work policy practice knowledge skills. Prepares students to participate in the policy making process, integrating both policy analytical and formulation skills, as well as understanding the methods and strategies for advocating for policy change and new policies.

SOWK 400 Social Work Practice II: Practice with Groups and Families (4)

Prerequisites: Admission to social work program and SOWK 320. Prepares students for a generalist approach to social work practice involving families and groups. Expands basic knowledge, values, ethics and skills, with an emphasis on mezzo level problem solving. Includes theories and techniques for planning, assessment, direct intervention, and advocacy with small groups and families.

COURSE INFORMATION

UNDERGRADUATE COURSE DESCRIPTIONS

SOWK 410 Social Work Practice III (4)

Prerequisite: Admission to social work program, SOWK 320, SOWK 400, SOWK 416, and SOWK 420. Prepares students for a generalist approach to social work with large systems. Applies the planned change process within macro practice, specifically with organizations and communities. Expands basic knowledge, values, ethics, and skills with emphasis on macro level problem solving.

SOWK 416 Social Work Research I (4)

Prerequisite: Admission to social work program. The first of two courses in social work and evaluation research. Emphasizes the development and use of scientific knowledge and the application of that knowledge to evaluate social work interventions and program evaluation. Explores applied research methodologies to enhance the students use of evidence based social work knowledge and skills. May be repeated only once with permission of the department.

SOWK 417 Social Work Research II (4)

Prerequisites: Admission to social work program, and SOWK 416. Corequisites: SOWK 410 and SOWK 421. The second of two courses focused on the basic concepts and methods of scientific inquiry used to build knowledge and evaluate practice. Builds and expands upon material covered in Social Work Research I. Includes focus on program evaluation, single-subject designs, data analysis, descriptive and inferential statistics, presentation of data, report writing and application of findings to practice. Explores applied research methodologies that will enhance the student's use of evidence-based interventions. May be repeated only once with permission of the department.

SOWK 420 Field Instruction in Social Work I (4)

Prerequisites: SOWK 302, SOWK 320, and admission to the professional program. Corequisites: SOWK 400 and SOWK 416. Supervised experience in a social welfare agency with emphasis on methods and techniques of generalist social work practice. Opportunity to apply theory and develop skills in delivery of social services. Successful completion of the two-course sequence requires a student to fulfill a minimum of 440 hours of field instruction within the same social welfare agency accumulated across the fall and spring semesters.

SOWK 421 Field Instruction in Social Work II (4)

Prerequisites: SOWK 400, SOWK 416, and SOWK 420. Corequisites: SOWK 410 and SOWK 417. Supervised experience in a social welfare agency with emphasis on methods and techniques of generalist social work practice. Opportunity to apply theory and develop skills in delivery of social services. Successful completion of the two-course sequence requires a student to fulfill a minimum of 440 hours of field instruction within the same social welfare agency accumulated across the fall and spring semesters.

Sociology

SOCY 100 Introduction to Sociology (3)

An introduction to basic concepts, theoretical perspectives, and research methods in sociology. The objective is to apply sociological imagination, perspectives, and research to uncover patterns of social behavior. Topics include culture, socialization, groups, deviance, stratification, institutions, and social change. Students may receive credit for only one of the following courses: BEHS 102 or SOCY 100.

SOCY 300 American Society (3)

Prerequisite: SOCY 100. An intermediate-level survey of the structure and organization of American society, with special reference to recent social changes. The aim is to describe trends and patterns of social change in American society; compare American and global perspectives of American social values; and apply sociological theories to examine the character, structure, values, and ideology of contemporary American social thought. Topics include individualism; community commitment; and attitudes regarding work, leisure, and recreation in American society.

SOCY 325 The Sociology of Gender (3)

Prerequisite: SOCY 100. An inquiry into how gender is socially constructed and reconstructed in contemporary society. The aim is to assess the interaction between gender and other social identities.

SOCY 350 Contemporary Social Problems (3)

Prerequisite: SOCY 100. An advanced examination of various personal, institutional, cultural, historical, and global problems that confront American society today. Problems examined range from crime, domestic violence, and alienation in modern society to the environment and political conflict. Emphasis is on issues of technology and social change. Students may receive credit for only one of the following courses: SOCY 105, SOCY 210, or SOCY 350.

SOCY 423 Race and Ethnicity: A Global Perspective (3)

Prerequisite: SOCY 100. An advanced examination of race and ethnicity in a variety of social and cultural contexts across the globe. The aim is to apply sociological theories and concepts to understand how race and ethnicity are constructed; how prejudice develops; the ways in which structural racism manifests in society; the social effects of migration and immigration; the global outcomes of slavery and genocide; and how social movements seek to effect change for a more equitable society. Topics include theories of prejudice transmission and reduction, critical race theory, and global consequences of structural racism related to climate change and health.

SOCY 426 Sociology of Religion (3)

Prerequisite: SOCY 100. Recommended: BEHS 220 or HUMN 350. An advanced examination of religion from a sociological perspective. The aim is to evaluate the influence of social location on religious beliefs and attitudes; examine relationships between church and state; and analyze current religious conflicts and controversies. Topics include fundamentalism versus extremism; modernity; religious conflicts; and the relationship of religion with race, class, gender, sexuality, and politics.

SOCY 443 Sociology of the Family (3)

Prerequisite: SOCY 100. An advanced examination of the family in society. The goal is to analyze, communicate, and project trends regarding family structures and outcomes through the application of major sociological perspectives. Sociological research is used to describe changing definitions of family, demographic trends in marriage and family patterns, social dynamics within families, and the effects of technology on family relationships. Topics include single parenting, blended families, cultural differences among families, changes in families over the life course, and governmental policies regarding families.

SOCY 462 Women in the Military (3)

Prerequisite: SOCY 100. An advanced examination of women in the military from a sociological perspective. The objective is to understand gender, power, and the changing roles of women in the military; assess how policies affect women in the military; examine military, community, and family support systems for military women; and compare the roles and duties of women in the U.S. Armed Forces in war and peacetime with those of military women in other countries. Topics include the social construction of gender and sexuality of the armed forces; the history of women in the military; violence against women in the military; rank, status, and advancement of women in the military; and postmilitary transitions and career options for women.

Spanish

SPAN 111 Elementary Spanish I (3)

(Not open to native speakers of Spanish; assumes no prior knowledge of Spanish. Students with prior experience with the Spanish language should take a placement test to assess appropriate level.) An introduction to the Spanish language. The objective is to listen to, speak, read, and write elementary Spanish in concrete, real-life situations and in culturally appropriate ways. The diverse language and culture of the Spanish-speaking world is explored. Students may receive credit for only one of the following courses: SPAN 101 or SPAN 111.

SPAN 112 Elementary Spanish II (3)

(Not open to native speakers of Spanish.) Prerequisite: SPAN 111 or appropriate score on a placement test. A continued introduction to the Spanish language. The goal is to listen to, speak, read, and write Spanish in concrete, real-life situations and in culturally appropriate ways. The diverse language and culture of the Spanish-speaking world is explored. Students may receive credit for only one of the following courses: SPAN 102 or SPAN 112.

SPAN 211 Intermediate Spanish I (3)

Prerequisite: SPAN 112 or appropriate score on a placement test. An intermediate-level study of the Spanish language. The aim is to improve listening, speaking, reading, and writing skills in Spanish and apply them in a variety of real-life situations and social contexts in culturally appropriate ways. Students may receive credit for only one of the following courses: SPAN 114, SPAN 201, or SPAN 211.

SPAN 212 Intermediate Spanish II (3)

Prerequisite: SPAN 211 or appropriate score on a placement test. Further intermediate-level study of the Spanish language. The objective is to listen to, speak, read, and write Spanish and interact effectively with native speakers in a variety of personal and professional settings in culturally appropriate ways. Students may receive credit for only one of the following courses: SPAN 115, SPAN 202, or SPAN 212.

Speech Communication

SPCH 100 Foundations of Oral Communication (3)

(Fulfills the prerequisite for all upper-level SPCH courses.)

An introduction to oral communication, with emphasis on interpersonal communication, small-group communication, and public speaking. The objective is to prepare speeches, provide feedback to others, and participate in group activities. Students may receive credit for only one of the following courses: SPCH 100, SPCH 100X, SPCH 101, SPCH 107, or SPCH 108.

SPCH 125 Introduction to Interpersonal Communication (3)

(Fulfills the prerequisite for all upper-level SPCH courses.)

An exploration of the role interpersonal communication plays in our personal and professional lives. The aim is to apply theoretical frameworks and key concepts in communication to personal behavior and personal and professional contexts. Topics include self-identity, perception, listening, verbal and nonverbal communication, relationship development, and conflict management.

SPCH 324 Communication and Gender (3)

Prerequisite: Any SPCH course or COMM 300. An investigation of how communication influences gender and how gender affects communication. The objective is to apply theoretical frameworks and key concepts of gender to contexts, situations, and messages. Discussion covers gender roles, gender variation across communication styles, and the role gender plays in personal and professional relationships, as well as its role in culture and the media.

SPCH 482 Intercultural Communication (3)

Prerequisite: Any SPCH course or COMM 300. An examination of the major variables of communication in an intercultural context. The objective is to develop and apply communication strategies. Topics include cultural, racial, and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

Statistics

STAT 200 Introduction to Statistics (3)

An introduction to statistics. The objective is to assess the validity of statistical conclusions; organize, summarize, interpret, and present data using graphical and tabular representations; and apply principles of inferential statistics. Focus is on selecting and applying appropriate statistical tests and determining reasonable inferences and predictions from a set of data. Topics include methods of sampling; percentiles; concepts of probability; probability distributions; normal, t-, and chi-square distributions; confidence intervals; hypothesis testing of one and two means; proportions; binomial experiments; sample size calculations; correlation; regression; and analysis of variance (ANOVA). Students may receive credit for only one of the following courses: BEHS 202, BEHS 302, BMGT 230, ECON 321, GNST 201, MATH 111, MGMT 316, PSYC 200, SOCY 201, STAT 100, STAT 200, STAT 225, or STAT 230.

Theatre

THET 110 Introduction to the Theatre (3)

An introduction to the experience of the theatre. The objective is to gain a historical perspective and critically appraise dramatic content in performing arts. Emphasis is on engaging with theatrical performances as informed audience members and assessing one's role within the script-performance-audience dynamic. Assignments include attendance at two live professional performances. Students may receive credit for only one of the following courses: HUMN 110 or THET 110.

Turkish

For further information, refer to Foreign Languages.

Women's Studies

WMST 200 Introduction to Women's Studies: Women and Society (3)

An interdisciplinary study of the status, roles, and experiences of women in contemporary society. The aim is to recognize the impact of gender in all academic disciplines; analyze political, economic, social, and cultural issues through a feminist lens; and apply knowledge of local and global issues to affect positive change in women's lives. Discussion covers women's experiences across geography and history. Topics include gender and other identities, systems of privilege and inequality, sexuality, and power relations.

Writing

WRTG 111 Academic Writing I (3)

(The first course in the two-course series WRTG 111–WRTG 112. Fulfills the general education requirement in communications.) An introduction to reading, writing, and critical thinking in an academic setting. The goal is to practice strategies for understanding academic texts and for developing one's ideas in relation to those texts. Focus is on writing thesis-driven essays that incorporate ideas and information from sources and demonstrate critical thinking, proper attribution, and effective language use. Students may receive credit for only one of the following courses: WRTG 100A, WRTG 111, or WRTG 111X.

WRTG 112 Academic Writing II (3)

(The second course in the two-course series WRTG 111–WRTG 112. Fulfills the general education requirement in communications.) Continued practice in reading, writing, and critical thinking with an emphasis on research and argumentation. The goal is to implement strategies for analyzing ideas and rhetorical techniques in academic texts and for conducting academic research. Focus is on writing an argumentative research paper that synthesizes information and ideas from multiple sources and demonstrates critical thinking, varied rhetorical strategies, proper source documentation, and effective language use. Students may receive credit for only one of the following courses: ENGL 101, ENGL 101X, WRTG 101, WRTG 101S, WRTG 101X, WRTG 112, or WRTG 112X.

WRTG 291 Research Writing (3)

(Fulfills the general education requirement in communications.) Prerequisite: WRTG 112 or equivalent. Continued practice in critical reading, thinking, and writing skills. The objective is to analyze, evaluate, and synthesize diverse sources and viewpoints to develop persuasive and academic writing projects. Assignments include prewriting exercises, an annotated bibliography, a synthesis research essay, and a reflective paper. Students may receive credit for only one of the following courses: ENGL 291, ENGL 291H, or WRTG 291.

WRTG 293 Introduction to Professional Writing (3)

(Fulfills the general education requirement in communications.) Prerequisite: WRTG 112 or equivalent. An overview of professional writing. The goal is to analyze professional communication scenarios to develop effective workplace writing. Topics include the standards, conventions, and technologies of professional writing; communicating to a variety of audiences; and developing appropriate written responses to workplace challenges. Students may receive credit for only one of the following courses: COMM 293, ENGL 293, or WRTG 293.

WRTG 391 Advanced Research Writing (3)

(Fulfills the general education requirement in upper-level advanced writing.) Prerequisite: WRTG 112 or equivalent. Instruction and practice in academic research skills. The objective is to critically analyze scholarly and other credible sources and effectively integrate source material into a complex argument. Emphasis is placed on synthesizing multiple sources in producing a literature review on a focused topic. Students may receive credit for only one of the following courses: ENGL 391, ENGL 391X, WRTG 391, or WRTG 391X.

WRTG 393 Advanced Technical Writing (3)

(Fulfills the general education requirement in upper-level advanced writing.) Prerequisite: WRTG 112 or equivalent. Recommended: WRTG 291 or WRTG 293. A comprehensive, project-based study of applied technical writing. The aim is to design and develop appropriate and effective technical documents using strategies and technologies for a variety of audiences. Students may receive credit for only one of the following courses: COMM 393/393X, ENGL 393/393X, or WRTG 393/393X.

WRTG 394 Advanced Business Writing (3)

(Fulfills the general education requirement in upper-level advanced writing.) Prerequisite: WRTG 112 or equivalent. A comprehensive, project-based study of applied business writing. The aim is to develop documents appropriate to audience and purpose that are well argued and conform to standards for business writing. Topics include context, purpose, audience, style, organization, format, results, technologies, and strategies for persuasion in typical workplace messages. In addition to shorter assignments, a substantial formal report that incorporates research and support for conclusions or recommendations is required. Students may receive credit for only one of the following courses: COMM 394/394X, ENGL 394/394X, or WRTG 394/394X.

Graduate Course Descriptions

The courses summarized on the following pages are listed alphabetically by description or subject. Requirements pertain only to degrees conferred by UMGC (and its partnership school). To determine how these courses may transfer and be applied toward degrees offered by other institutions, you should consult those institutions. Transferability is determined by the receiving institution.

Academic Success

ASC 601 Graduate Writing Skills (0)

(Recommended preparation for students who want to improve their writing skills.) Develop the skills needed for effective academic writing. Improve your grammar and punctuation skills. Summarize and synthesize texts, and develop well-organized essays, integrating sources into writing. Format academic papers according to APA style. Revise writing to produce clear, concise documents.

ASC 603 Introduction to Accounting and Financial Management (0)

(Recommended preparation for students who want a foundational background in accounting and finance.) Engage in a basic study of accounting and financial management concepts and their use in analyzing financial statements and estimating the value of long-term capital projects and investments. Analyze the financial statements of actual companies using financial ratios. Apply time value of money concepts to determine the current and future value of financial and real assets/investments. Develop an appreciation for how financial management and accounting information can be used to support financial assessment analysis, valuation, and decision making in various contexts.

ASC 605 Basic Information Technology (0)

(Recommended preparation for students who want a background in the basic configurations of computer hardware and operating systems software, especially those entering the cybersecurity technology, cyber operations, cybersecurity policy, and digital forensics programs who do not have a background in computing.) Explore concepts of computing. Discuss computer systems (including computer hardware and hardware components, computer software, and networks) and the internet. Develop your understanding of the privacy and security issues related to computing and the internet.

ASC 607 Introduction to Statistics (0)

(Recommended preparation for students who require knowledge of statistics to progress in their coursework.) Learn to derive meaning from quantitative analysis of data by employing fundamental concepts and methods of statistics. Explore approaches and develop skills necessary to evaluate research methods and their application to solving problems, including the reliability and validity of sources and types of data and portraying data in tables, graphs, and charts. Use inferential statistics to draw conclusions, calculate correlation and regression, and apply other statistical methods to inform decisions.

ASC 609 Essentials of Computer Programming (0)

(Recommended preparation for students with little or no programming experience, especially those entering the cyber operations, cybersecurity policy, cybersecurity technology, and digital forensics programs.) Recommended: ASC 605. Gain hands-on experience in creating computer programs. Explore all aspects of basic programming, including variables, arrays, conditions, and input/output. Build a foundation for more advanced work in computer programming.

ASC 611 Structure of Computer Programming (0)

(Recommended preparation for students with some programming experience, typically with older languages such as PRG and COBOL, especially those entering the cybersecurity technology, cyber operations, cybersecurity policy, and digital forensics programs.) Prerequisite: ASC 609. Gain hands-on experience in creating computer programs. Explore aspects of programming related to the structure of the program, including loops, procedures/functions, and leveraging other software libraries/packages.

Acquisition and Contract Management

ACM 610 Fundamentals of Acquisition Planning and Costs Price Analysis (6)

Prerequisite: DCL 600M. Serve as a contract manager and explore three major segments of the acquisition process acquisition planning, acquisition management, and contract pricing through pre-award, negotiation preparation, and post-award stages. Complete an acquisition plan using quantitative techniques to quantify and facilitate decision. Apply various cost analysis techniques and quantitative tools to evaluate a contractors cost proposal and develop a negotiation range and objective.

ACM 620 Sourcing Decisions and Legal Considerations in Contracting (6)

Prerequisite: ACM 610. Serve as a contract manager and apply legal, administrative, and ethical requirements and principles to procurement and contract management. Explore a broad array of legal issues applicable to acquisition as well as the Federal Acquisition Regulation and the American Bar Association model procurement code for state and local government.

ACM 630 Strategic Supplier Relations in Sustainable Supply Environments (6)

Prerequisite: ACM 620. Serve as an acquisitions manager and acquire techniques, methodologies, and strategies designed to enhance organizational procurement and acquisition efficiency and manage supply chain issues. Explore integrated supply chains, including the integration of information, supplies, and materials flows across multiple supply chain channels; the role of information systems and technology in supply chain management; e-commerce strategies; and the development and maintenance of supply chain partnerships and other relationships.

ACM 640 Performance Based Logistics and Asset Management (6)

Prerequisite: ACM 630. Serve as an acquisitions manager and explore logistical issues, techniques, methodologies, and strategies designed to enhance organizational efficiency with the acquisition lifecycle. Apply specific concepts including the total cost approach to logistics, planning and implementation, systems relationships and integration, and demand forecasting to solve logistical and asset management issues that arise within the acquisition life-cycle.

ACM 670 Acquisition Continuous Improvement and Sustainment Management (6)

Prerequisite: ACM 640. Assume the role of an executive manager and create an acquisitions and contract management business continuity and disaster management plan. Make executive-level decisions to ensure adherence to all rules and regulations surrounding these areas. Develop long-term strategic plans for maintaining operations, reducing costs, evaluating supplier portfolios, and developing sustainable supply chains within the acquisition life-cycle. Practice ethical decision-making and negotiation techniques in analyzing cases containing detailed cost and pricing data.

Business Administration

MBA 610 Leading Organizations and People (6)

Prerequisite: PRO 600. Assess and develop your leadership skills by creating a personal leadership and professional development plan that you will refine during the program. Develop a strategic understanding of your organization by analyzing its mission, vision, goals, and values. Evaluate your organization's culture, climate, and approach to decision making and assess leadership effectiveness, governance structure, and processes. Explore how high-performing work teams can be a source of competitive advantage.

MBA 620 Financial Decision Making (6)

Prerequisite: MBA 610. Apply concepts behind financial statements, pricing, cost analysis, and capital budgeting in decisions. Propose solutions in real-world scenarios by using published financial reports and data from well-known national and international brands. Apply concepts from managerial economics to make pricing decisions for a business. Review business performance by analyzing the cash flow statement, income statement, and balance sheet. Make cost allocation, financing, and investment decisions by applying knowledge of corporate valuation. Determine the cost of capital and make capital budgeting decisions.

MBA 630 Leading in the Multicultural Global Environment(6)

Prerequisite: MBA 620. Enhance your cultural competence and evaluate opportunities and risks for operations in a global market. Expand your ability to apply ethical decision-making models. Assess issues of culture, business ethics, employment law, contracts, and criminal law in the context of a global business. Analyze political, legal, economic, and cultural forces that impact multinational businesses. Recommend the legal form and organizational structure of a business.

MBA 640 Innovation Through Marketing and Technology (6)

Prerequisite: MBA 630. Apply principles of market research and branding. Use web analytics to make decisions in digital marketing. Organize tasks in a marketing plan, assess market risk and opportunity, and collect data required to implement the marketing plan. Develop financial projections and suitable metrics for tracking the marketing plan.

MBA 670 Strategic Decision Making (6)

Prerequisite: MBA 640. Assume the role of a strategy officer who reports to the CEO. Develop an understanding of strategic leadership. Identify activities in the value chain of an organization, and propose a plan to relocate one or more activities to another geographical region. Prepare a project management plan for the opening of a facility in a new country. Develop a business plan that includes an entry strategy, marketing plan, competitive strategy, and financial statements.

Cloud Computing Systems

Courses in cloud computing systems (designated CCS) have higher computing requirements than the minimum technical requirements. They require an Intel Core i7 processor or higher, with speeds of 2GHz or faster, at least 6GB of available disk space, and at least 16GB RAM (32GB recommended). Display devices should have a resolution of 1920 X 1080 or better (PCs) or 1440 X 900 retina display (Mac).

CCS 610 Cloud Services and Technologies (6)

(Formerly CCA 610.) Prerequisite: DCL 600T. Master the concepts underlying cloud computing, cloud services, and cloud applications. Investigate and analyze the technologies and services of the cloud services industry and distinguish between different cloud development environments. Evaluate the risk and the legal and regulatory compliance issues associated with cloud adoption while identifying the benefits of cloud infrastructure for the organization. Students may receive credit for only one of the following courses: CCA 610 or CCS 610.

Courses in cloud computing systems (designated CCS) have higher computing requirements than the minimum technical requirements. They require an Intel Core i7 processor or higher, with speeds of 2GHz or faster, at least 6GB of available disk space, and at least 16GB RAM (32GB recommended). Display devices should have a resolution of 1920 X 1080 or better (PCs) or 1440 X 900 retina display (Mac).

CCS 625 Network Engineering (6)

Prerequisite: CCS 610. Explore network engineering concepts, functions, applications, configurations, and hardware. Review network protocols and services that serve as the foundation to enable IT infrastructure and services. Evaluate network specifications and requirements using industry best practices and standards in designing network infrastructures to meet business needs. Students may receive credit for only one of the following courses: CCA 620 or CCA 625.

CCS 630 Cloud Infrastructure Planning, Design, and Configurations (6)

Prerequisite: CCS 625. Apply the underlying concepts, standards, and technologies of cloud computing (including virtualization, cloud data management, cloud programming models, cloud analytics applications, interoperability, and portability) to the planning, design, and configuration of a cloud infrastructure. Prepare policies and documents to plan and design a cloud infrastructure successfully, including a policy document, architecture plan, cloud deployment run book, and user training plan. Perform baseline configurations on the cloud environment to satisfy business requirements.

CCS 640 Cloud Computing Implementations and Migrations (6)

Implement and configure a cloud environment based on specifications. Analyze current workloads, migrate existing IT systems to the cloud, and configure new systems or services to enhance business operations. Manage the implementation of the cloud to ensure successful deployment. Configure features for elasticity, availability, and scalability using industry-standard techniques, best practices, and tools.

CCS 670 Capstone: Cloud Computing Orchestration (6)

Prerequisite: CCS 640. Assume the role of a cloud computing architect. Implement advanced features of the cloud platform, including auditing and logging, cloud orchestration, service catalog, and cloud metering and billing. Investigate, plan, and implement these features on a specific cloud platform. Prepare a cloud portfolio report based on cloud migrations and implementations completed in the program.

Criminal Justice Management

CJMS 600 Critical Analysis of the Criminal Justice System (3)

An analysis of the U.S. criminal justice system. Topics include the role of criminal justice agencies and personnel in the prevention and response to crime, as well as interagency cooperation and coalition building from a manager's perspective.

CJMS 610 Perspectives in Law Enforcement Management (3)

A study of law enforcement philosophies and techniques to reduce crime commonly applied at the organizational level. Topics include the politics of policing, police/community relations, police research, professionalization of personnel, and emerging problems in policing from a domestic and international perspective.

CJMS 620 Issues in Correctional Administration (3)

Prerequisites: CJMS 600 and CJMS 610. An in-depth study of current challenges for managers in correctional environments. Topics include the privatization of corrections, intelligence sharing, re-entry and community corrections, security threat groups, assessment techniques and empirical evaluations of treatment methods, special populations, growth rates, the political environment, and interagency and community cooperation.

CJMS 630 Seminar in Security Management (3)

Prerequisites: CJMS 600 and CJMS 610. A study of the management of security operations within a private setting. Discussion covers vulnerability assessment; emergency planning; interagency cooperation; threat assessment; use of technology; and information gathering, sharing, and storing. Topics also include personnel management, budgeting, reporting requirements, and current trends.

CJMS 640 Criminal Justice Intelligence Systems and Approaches (3)

Prerequisites: CJMS 600 and CJMS 610. An in-depth examination of the principles that guide the gathering and sharing of intelligence in the United States. Emphasis is on the interoperability between crime-fighting agencies within the criminal justice system. Topics include analytic methodologies, interview and interrogation techniques, open-source and proprietary data sources, criminal organization analysis, criminal conspiracy, enterprise theory, trial testimony, and witness protection.

CJMS 650 Legal Aspects within the Criminal Justice System (3)

Prerequisites: CJMS 600 and CJMS 610. An introduction to the impact of constitutional and criminal law on managerial responsibilities within the criminal justice system. Topics include pivotal historic and current legal cases and their application to methods of prevention, as well as reaction to crime in the United States.

CJMS 660 Issues in Criminal Justice Leadership (3)

Prerequisite: Completion of 30 credits of program coursework, including all core and specialization courses except MGMT 670. A discussion of case studies involving successful leaders in the criminal justice system. Analysis covers the various characteristics and leadership styles that have proven most effective in the profession. Various theories, models, historical examples, and practical applications are reviewed. Senior criminal justice leaders discuss issues via videoconferencing. Topics include ethics and virtue in criminal justice; navigating the political environment (e.g., being politically savvy without being political); staff development; and labor relations, media relations, and working effectively with various advocacy groups.

Cyber Communication and Leadership

CBR 600 Communicating, Problem Solving, and Leading in Cybersecurity (6)

Make yourself more valuable to an employer by gaining and improving skills in communication and problem solving. Explore the field of cybersecurity by developing connections to your career aspirations, creating a professional social network presence, and using critical thinking to inform decisions. Improve and refine your skills in communication, critical thinking, quantitative reasoning, and team leadership. Hone your professional writing and oral communication skills to produce effective presentations and become proficient with current technology. Students may receive credit for only one of the following courses: CBR 600, DCL 600M, DCL 600T, or PRO 600.

Cyber Operations

Students may find detailed course descriptions on the website at europe.umgc.edu.

Cybersecurity

CYB 670 Capstone in Cybersecurity (6)

Prerequisite: CST 640, DFC 640, or CMP 640. Assume the role of a cybersecurity professional by examining current issues in cybersecurity management, including enterprise risk management, vulnerability assessment, threat analysis, crisis management, security architecture, security models, security policy development and implementation, security compliance, information privacy, identity management, incident response, disaster recovery, and business continuity planning, particularly in the health, banking, and finance sectors.

Cybersecurity Management and Policy

Students may find detailed course descriptions on the website at europe.umgc.edu.

Cybersecurity Technology

CST 610 Cyberspace and Cybersecurity Foundations (6)

Prerequisite: CBR 600. Gain knowledge of the foundations of cybersecurity, and apply cyber methodologies to cyber architectures, services, protocols, algorithms, hardware and software components, and programming language. Become familiar with the important role that business continuity planning, security management practices, security architecture, operations security, and physical security play in cybersecurity. Explore the impact of cyber terrorism and national security on cybersecurity. Gain hands-on, real-world experience with state-of-the-art tools and technologies in a lab-intensive environment. Students may receive credit for only one of the following courses: CST 610 or DFC 610.

CST 620 Prevention of Cyber Attack Methodologies (6)

Prerequisite: CST 610. Explore the theories and practices related to the prevention of cyber attacks. Design, apply, and analyze technological solutions that address countermeasures, encryption, network access control methods, firewalls, intrusion detection/prevention, and secure systems development. Practice techniques such as software assurance, verification, and validation; virtual network and cloud computing security techniques; and physical security techniques. Examine the nation's complex critical infrastructure industries. Use state-of-the-art tools and technologies in a lab-intensive environment that provide hands-on, real-world experience.

CST 630 Advanced Cyber Exploitation and Mitigation Methodologies (6)

Prerequisite: CST 620. Practice intrusion detection and prevention, exploitation, and mitigation in cyberspace. Employ technological solutions that identify, resolve, prevent, and mitigate cyber attacks. Utilize network security techniques, monitoring, auditing, intrusion detection and prevention, and ethical penetration testing. Use state-of-the-art tools and technologies in a lab-intensive environment that provide hands-on, real-world experience.

CST 640 Digital Forensics Technology and Practices (6)

Prerequisite: CST 630. Gain proficiency with the tools and technologies commonly used in forensic examinations, and utilize best practices. Explore procedures for securing and validating evidence, including digital media and physical memory, as well as for recovering artifacts and analyzing, reporting, and presenting results in both criminal and civil situations. Gain experience with mobile forensic analysis. Students may receive credit for only one of the following courses: CST 640 or DFC 620.

Database Systems Technology

Students may find detailed course descriptions on the website at europe.umgc.edu.

Decisive Communication and Leadership

DCL 600M Decisive Thinking, Communicating, and Leading in Multidisciplinary Fields (6)

(Applicable to the Acquisition and Contract Management, Learning Design & Technology, Strategic Communications, and Transformational Leadership programs). Prepare for academic and professional success by developing skills that employers want in their employees. Explore your area of study to learn how it connects with your career aspirations, create a professional social network presence, and use critical thinking to inform decisions. Improve and refine your skills in communication, critical thinking, quantitative reasoning, and team leadership. Hone your professional writing and oral communication skills to produce effective presentations, and become proficient with spreadsheets, collaboration tools, and other professional software. Students may receive credit for only one of the following courses: CBR 600, DCL 600M, DCL 600T, or PRO 600.

DCL 600T Decisive Thinking, Communicating, and Leading in Technology Fields (6)

(Applicable to the Cloud Computing Architecture and Cyber Operations programs.) Prepare for academic and professional success by developing skills that employers want in their employees. Explore your area of study to learn how it connects with your career aspirations, create a professional social network presence, and use critical thinking to inform decisions. Improve and refine your skills in communication, critical thinking, quantitative reasoning, and team leadership. Hone your professional writing and oral communication skills to produce effective presentations, and become proficient with spreadsheets, collaboration tools, and other professional software. Students may receive credit for only one of the following courses: CBR 600, DCL 600M, DCL 600T, or PRO 600.

Digital Forensics and Cyber Investigation

Students may find detailed course descriptions on the website at europe.umgc.edu.

Education: Teacher Preparation

EDTP 600 Foundations of Teaching for Learning (6)

Preparation for effective entry into the classroom as a teacher. Topics include teaching in the contemporary school; human development; approaches to learning, diversity, and collaboration beyond the classroom; learners with exceptional needs; curriculum, instruction, and assessment; teaching in the content area; and synthesis and application. Course materials and assignments focus on documents created and/or typically utilized by school systems and incorporate current school district initiatives. School district personnel may participate as guests.

EDTP 635 Adolescent Development and Learning Needs (6)

Prerequisite or corequisite: EDTP 600. Preparation to support the unique development of adolescents from various backgrounds, with varying beliefs and abilities. Learners are examined from the standpoint of developmental characteristics; social, cultural, racial, and gender affiliation; socioeconomic status; religious influences; learning styles; special needs; and exceptionality. Adolescents are also examined from biological, psychological, cognitive, and social perspectives; within the tapestry of their family and community; and through the influences of societal and cultural norms. Discussion covers theories and concepts associated with human growth and development across the lifespan, focusing on the typical and atypical development of the adolescent.

EDTP 639 Reading and Multiple Literacies (6)

(Formerly EDRS 610.) Prerequisites: EDTP 600 and EDTP 635. A study of the essentials of literacy for middle and high school classrooms, including design principles for guided inquiry, self-directed learning, collaboration, and effective use of media to meet the needs of diverse learners in the 21st century. Discussion covers purposes and types of reading, assessment, cognitive strategies in reading, reading strategy instruction for constructing meaning from text, and intrinsic and extrinsic motivational strategies. Topics include essential competencies for teaching and learning content area reading and the new literacies and for applying and adapting them to diverse learners and learners with exceptionalities. Competencies developed include use of evidence-based instructional strategies, formative and summative assessment, critical thinking, technology as a tool for learning, and literate environments. Focus is on the importance of research, collaboration, and self-assessment for the professional development of teachers.

EDTP 645 Subject Methods and Assessment (6)

Prerequisites: EDTP 600 and EDTP 635. An introduction to instructional strategies and curriculum for teaching secondary content that emphasizes effective instruction based on understanding assessment and how assessment informs effective instruction. Topics include development of comprehensive assessment strategies and their interrelationships with creation of learning objectives, selection of instructional techniques, and preparation of instructional plans. Current trends in secondary school structures, issues of traditional and authentic assessments, and teacher effect on student achievement are explored. Focus is on meeting individual needs and using content knowledge to inform instructional practice by drawing on knowledge gained through previous study and knowledge bases that reflect current research and best practices in secondary content areas.

EDTP 650 Professional Internship and Seminar (6)

Prerequisites: EDTP 600, EDTP 635, EDTP 645, and EDTP 639. An opportunity to apply the concepts, techniques, methods, and theories learned in previous coursework and field-based experiences through a professional internship. Internship activities require completing observations, activities, and clinical practice in an approved secondary classroom appropriate for the selected content area certification, under the supervision of a school-based mentor teacher and a university field supervisor. An ongoing seminar establishes a learning community that assures a continuing support system and provides a forum for feedback and discussion of common readings, experiences, questions, and issues. An electronic portfolio is completed.

Emergency Management

EMAN 620 Information Technology in Emergency Management (3)

An overview of the role of information in crisis and response management. Discussion covers disaster and crisis information requirements; information technologies and decision support tools applied to crisis, disaster, and emergency management; and information problems encountered during emergencies. Tools used include the global positioning system (GPS), geographical information systems (GIS), UAS (drones), and hazard and emergency management-related software packages, as well as decision analysis methods. Assignments include practical case studies.

Global Health Management

GHMT 620 National and International Approaches to Health Care Delivery (3)

A project-based application of the concepts, theories, and principles of global health to the practical challenges facing global health professionals. Assignments focus on a specific global health priority for a given national or geopolitically defined population. Needs assessment methodologies, including epidemiological methods; mapping local, national, and global policy processes; identifying strategies for building infrastructure and workforce capacity; analyzing financial opportunities and limitations; and assessing the impact of macro changes in the global economy, political environment, and human rights and legal systems, are applied. Findings regarding the scope, options, and outcomes of these assessments, as well as a recommended action plan for improving the health status of the population group of interest, are summarized in the final project.

GHMT 640 Strategic Management of Global Health Services (3)

The development of strategic management skills for growing and operating health organizations and health systems in low- and middle-resourced countries. Focus is on building strategies for organizing global health prevention, treatment, care, and capacity building initiatives. Strategic management skills are applied to create global health missions and goals, core functions and organizational structures, clinical and administrative workforces, budgets and financing, and communication messages.

Healthcare Administration

HCAD 600 Introduction to Healthcare Administration (3)

An introduction to the principles of management and leadership as the foundations for the administration of healthcare products and service delivery. A comprehensive examination of the complex, dynamic, rapidly changing healthcare system in the United States is provided. Topics include the healthcare system's major components and their characteristics. Emphasis is on current problems in healthcare financing and delivery. Social, economic, and political forces that have shaped and continue to influence the system are traced. The healthcare system in the United States is compared with systems in industrialized and developing nations. Analysis covers current trends in healthcare and prospects for the future.

HCAD 610 Information Technology for Healthcare Administration (3)

An overview of information technology (IT) from a managerial perspective and how healthcare administrators can use IT to maximize organizational performance. Fundamental principles of IT and data management and their implications for healthcare administrators are reviewed. Discussion explores the use of technology, databases, and other analytical tools to structure, analyze, and present information related to healthcare management and problem-solving. Current applications, such as patient care, administrative and strategic decision support, managed health, health information networks, and the internet, are examined to determine how they may be used to meet the challenges facing healthcare administrators today and in the future.

HCAD 620 The U.S. Healthcare System (3)

A comprehensive examination of the complex, dynamic, rapidly changing healthcare system in the United States. The healthcare system in the United States is compared with systems in industrialized and developing nations. Analysis covers current trends in healthcare and prospects for the future. Ethics, beliefs, and values related to healthcare are discussed. Managerial functions and their effectiveness for health outcomes and organizational performance are investigated and evaluated. Marketing, quality of care, and effective decision making are explored.

HCAD 625 The Business of Healthcare (3)

Prerequisite: HCAD 620. A detailed exploration of operational issues unique to the dynamic and highly regulated realm of healthcare. Discussion covers challenges presented by regulatory mandates, market forces, and multiple interconnected matrix organizations, as well as defining and meeting the needs of the community.

HCAD 630 Public Health Administration (3)

An in-depth study of the field of public health, emphasizing leadership and management. Current U.S. and global public health systems are analyzed, focusing on public health entities and their management issues. Topics include the history and current status of public health, core functions, legislation, ethics, accountability (including assessment and evaluation), and the politics and financing of public health, particularly in light of the increased utilization of evidence-based budgeting. Global health security, governance, and diplomacy are discussed in detail as they apply to public health issues and global community collaboration. Structural determinants of health are examined in terms of their influence on healthcare delivery and public health issues.

HCAD 635 Long-Term Care Administration (3)

A study of the different components of the long-term care service delivery system. Topics include residential settings (such as skilled nursing facilities, assisted living facilities, and continuing care retirement communities) as well as home care services, community-based service programs, and hospice care. The goal is to apply contemporary management theory, concepts, and models to the entities that make up the long-term care service delivery system. The specifics of long-term care management and leadership are discussed. Societal trends in attitudes and approaches to long-term care are defined and evaluated.

HCAD 640 Financial Management for Healthcare Organizations (3)

An in-depth study of healthcare economics and the financial management of healthcare organizations. The economic principles underlying the American healthcare market and the financial management of health services organizations within that market are examined. Analysis covers healthcare industry regulation, licensure, and certification and various coverage and healthcare payment mechanisms. Topics also include reimbursement mechanisms and their effect on healthcare provider organizations, managed care, capitation, and per case or per diagnosis payment, as well as how these financial strategies are utilized by third-party payers. Focus is on financial challenges, such as uncompensated care, cost increases, increased competition, and increased regulation, and how healthcare providers should respond to them. Ratio analysis, cost analysis, and other financial management techniques are also explored.

HCAD 645 Strategic Financial Management in Healthcare (3)

Prerequisite: HCAD 640. An in-depth study of the concepts and competencies needed to plan the usage and management of enterprise financial resources to achieve long-term organizational objectives and return maximum value in a volatile healthcare finance environment. Emphasis is on identifying and quantifying available or potential resources, devising a plan for utilizing finances and other capital resources to achieve goals, and capital budgeting and management. Topics also include risk analysis, multiple financing methods, supply chain costs, valuation, and mergers and acquisitions. Current accounts and working capital management are explored, as are strategic planning and financial forecasting. Macroeconomic principles are investigated as they relate to the healthcare system. Analysis covers free market and mixed market economies, barriers to free market economies, and the application of macroeconomics as an analytical tool to craft economic and fiscal policy.

HCAD 650 Legal Aspects of Healthcare Administration (3)

A comprehensive overview of the intersection of law, ethics, health information technology, and bioethics in various contexts. The principles of healthcare law are examined in the areas of privacy, information security, contracts, torts, the liability of healthcare providers, the rights of patients, employment law and labor relations, and administrative law for healthcare organizations, among others. The managerial function of compliance is explored as it applies to the law and ethics, and specific tools and strategies are defined and discussed.

HCAD 660 Healthcare Institutional Organization and Management (3)

A study of the nature of management and how it is applied in various healthcare settings. Contemporary theories, critical perspectives, models, and best practices designed to foster performance excellence in the highly competitive healthcare environment are examined. Discussion covers principles of organizational behavior and culture development and adaptation. Consumer behavior and its influence on institutional sustainability are evaluated. Strategies for quality assurance and institutional change are explored.

HCAD 665 Strategic Issues in Healthcare Leadership (3)

Prerequisite: HCAD 660. An examination of strategic issues driving the future of healthcare. Focus is on identifying trends and preparing competent leaders to meet the needs of changing communities, integrating rapid technological and scientific advances, and ensuring health care institutional viability. Topics include development and dissemination of strategic goals and shaping organizational values, the effect of ethics and power on leadership decision making, shared governance and collaboration, and change and performance management.

Homeland Security Management

HSMN 610 Concepts in Homeland Security (3)

An overview of the basic concepts of homeland security, including infrastructure protection, jurisdiction, and issues in technical areas such as interconnectivity and interoperability. The nation's telecommunications and information technology networks are examined as both vulnerable assets and critical solutions.

HSMN 625 Critical Infrastructures (3)

Prerequisite: HSMN 610. An introduction to critical infrastructure assurance as a policy field. Review covers the concept of critical infrastructures and their interdependencies. Topics include the development of modern critical infrastructures, the reasons why they have become central elements of 21st-century societies, efforts being made to safeguard them, and potential threats to their continued effective operation.

HSMN 630 Resilience Planning and Preparedness for Disaster Response and Recovery (3)

An in-depth examination of managerial strategies for developing and maintaining resilience in communities, the private sector, and the nation in the face of human-made, natural, and technological disruptions or catastrophes. Emphasis is on the importance of advanced planning. Techniques for performing risk assessment and potential impact analysis and for selecting appropriate risk treatments are explored. Discussion covers preparing to handle adverse events, responding to them, and recovering from them. Resilience management is explored within the context of a life cycle that includes programmatic review and continuous improvement planning. Actual and hypothetical cases are analyzed.

HSMN 670 Seminar in Homeland Security (3)

(To be taken during the student's final semester.)

Prerequisite: Completion of 24 credits of program coursework, including HSMN 610, HSMN 625, HSMN 630, EMAN 620, INFA 660, and BSBD 641.

An up-to-date evaluation of vulnerabilities and protective countermeasures regarding various aspects of the nation's critical infrastructure, with particular emphasis on the food and water supply. Topics include various threat profiles and actions by government, industry, independent institutions, and private citizens that might prevent attack from domestic or foreign sources and mitigate harmful consequences should such an attack occur. Discussion reviews the federal government's organization and management of food and water security and explores what further efforts might be made, building upon the nation's health system and engaging government at all levels. The singularly important roles of first responders are also analyzed.

Informatics

Students may find detailed course descriptions on the website at europe.umgc.edu.

Information Assurance

INFA 610 Foundations of Information Security and Assurance (3)

(To be taken as the first course in the program.)

An overview of techniques for ensuring and managing information security. Topics include administrative and technical security controls to prevent, detect, respond to, and recover from cyber attacks; risk and vulnerability analysis to select security controls; security planning; security architecture; security evaluation and assessment; and legal, ethical, and privacy aspects of information assurance. Discussion also covers information security fundamentals, such as cryptography, authentication, and access control techniques, and their use in network, operating system, database, and application layers. Security issues of current importance are stressed.

INFA 620 Network and Internet Security (3)

An introduction to the security concepts needed for the design, use, and implementation of secure voice and data communications networks, including the internet. A brief review of networking technology and standards (including an introduction to internet communication protocols) is provided. Security subjects addressed include defense models, security policy development, authentication and authorization controls, firewalls, packet filtering, virtual private networks (VPNs), and wireless network security. A project on network security in a hypothetical scenario based on inputs from government agencies and commercial organizations is assessed by a team of experts who are working in the field.

INFA 630 Intrusion Detection and Intrusion Prevention (3)

An exploration of the theory and implementation of intrusion detection and intrusion prevention. Topics include network-based, host-based, and hybrid intrusion detection; intrusion prevention; attack pattern identification; deployment; response; surveillance; damage assessment; data forensics; data mining; attack tracing; system recovery; and continuity of operation. A specific project on intrusion detection and intrusion prevention in a hypothetical scenario based on the inputs from government agencies and commercial organizations is assessed by a team of experts who are working in the field.

INFA 640 Cryptology and Data Protection (3)

An overview of the theory of encryption using symmetric and asymmetric keys, current protocols for exchanging secure data (including the Data Encryption Standard and the Advanced Encryption Standard), and secure communication techniques. A review of the historical development of cryptographic methods and cryptanalysis tools is provided. Public Key Infrastructure and the use of digital signatures and certificates for protecting and validating data are examined. Strategies for the physical protection of information assets are explored.

INFA 650 Computer Forensics (3)

An introduction to the fundamental concepts behind the collection and analysis of the digital evidence left behind in a digital crime scene. Topics include the identification, preservation, collection, examination, analysis, and presentation of evidence for prosecution purposes. Discussion also covers the laws and ethics related to computer forensics and challenges in computer forensics. Network forensics is briefly explored. A specific project on computer forensics or network forensics in a hypothetical scenario based on the inputs from government agencies and commercial organizations is assessed by a team of experts who are working in the field.

INFA 660 The Law, Regulation, and Ethics of Information Assurance (3)

An overview of the legal, regulatory, and ethical issues related to cyberspace. Emphasis is on developing skills in spotting ethical and legal issues and navigating through the complex and changing legal and regulatory environment as it applies to behavior in cyberspace. Various resources and materials about the ethical and legal operation of modern computer systems, applications, and networks are presented.

INFA 670 Information Assurance Capstone (3)

Prerequisites: INFA 610, INFA 620, INFA 630, INFA 640, INFA 650, and INFA 660 (3 credits may be taken concurrently). A study of information assurance that integrates and applies concepts previously studied. Best practices and appropriate technologies to design, implement, manage, evaluate, and further improve information security are explored. Emerging trends are analyzed to understand their potential effect on information security and assurance.

Information Technology

ITEC 610 Information Technology Foundations (3)

A fundamental study of technology and its applications, as well as the economic and social issues they have raised. Topics include computers, peripherals, databases, and networks; operations (of business, government, and other enterprises), decision support systems, and acquisition of information technology resources; and information security, productivity, equitable access by users, intellectual property rights, and global reach. Discussion also covers current and future developments in the field and their implications.

ITEC 625 Computer Systems Architecture (3)

An introduction to the evolution of computer systems design and hardware and software architectures. Focus is on computer organization (classical and advanced architectures), operating systems, and applications development. Emerging developments in computer systems architecture are also examined.

ITEC 626 Information Systems Infrastructure (3)

An introduction to information systems infrastructure. Focus is on data communications and networks. Discussion covers layered network architectures and communication hardware. Emerging technologies such as social media, mobile computing, cloud computing, big data, and the Internet of Things are also examined.

ITEC 630 Information Systems Analysis, Modeling, and Design (3)

(Formerly CSMN 635.) A study of systems analysis and design, using selected engineering and management science techniques and practices. Topics include requirements determination, modeling, decision making, and proposal development. The System Development Life Cycle Model, including system implementation and post-implementation activities, is examined. Emphasis is on the specification of the information system's logical and physical analysis and design from a management perspective. Research and project assignments related to information systems analysis, design, implementation, and/or project planning and control require individual and group work.

ITEC 640 Information Technology Project Management (3)

An examination of the fundamental principles and practice of managing programs and projects in an information processing and high-tech environment. The dynamic nature of IT and the effect of life cycles are explored. The fundamental building blocks of high-tech management styles (including project planning, organizational structure, team building, and effective control mechanisms) are addressed. Discussion covers the effect of product and project life cycles in delivering a successful IT project, considering the obsolescence factors in procurement/stakeholder contracts. The goal is to gain a solid foundation to successfully manage each phase of the project life cycle, work within organizational and cost constraints, set goals linked directly to stakeholder needs, and utilize proven management tools to execute a dynamic project on time and within budget. Emphasis is on how to apply the essential concepts, processes, and techniques in the management of large-scale governmental or commercial programs. Topics also include the need for global vision, strong planning techniques, appropriate training before introducing any IT product into the market, and discipline in executing tasks.

Management

MGMT 610 Organizational Theory (3)

An overview of the fundamental concepts of organizational theory and design in the context of organizational efficiency and managerial roles. The objective is to analyze organizational theory concepts and the history of management thought and its relevance for managers today, evaluate how organizational structure and culture impact decision making and workflow, analyze how systems thinking and external and internal factors affect contemporary organizational structure, and use organizational theory concepts to design strategic plans to meet organizational needs. Discussion covers essential concepts in organizational theory and design, including measures of effectiveness, organizational life cycles, options for organizational structure, the learning organization, effective decision making, and the manager's role in developing and maintaining the organizational structure. Topics include the appropriateness of organizational structures and design to meet the needs of the organization, organizational ethics and social responsibility, global issues, organizational effectiveness, and the challenges of managing in today's complex and rapidly changing environment.

MGMT 615 Organizational Behavior (3)

A study of organizational culture and the management of individual and team behaviors that contribute to an organization's sustainability. The objective is to analyze the role of management in creating and sustaining an organizational culture that promotes the organization's purpose and vision and to apply the communication, management, and relationship-building skills crucial to the success of the manager within the workplace. Focus is on the human skills that are relevant to the success of the manager within the workplace. Topics include the impact that individual characteristics, team dynamics, organizational communication, and culture have on employee performance and commitment.

MGMT 630 Organizational Theory and Behavior (6)

(Not open to students who have completed MGMT 610 or MGMT 615.) An overview of the fundamental concepts of organizational theory and behavior. The goal is to evaluate management theories relevant to a manager's role, design organizational structure to maximize decision making, and recognize the significance of systems thinking to the contemporary organization. Topics include the human skills that are relevant to the success of the manager within the workplace. Discussion covers the impact that individual characteristics, team dynamics, communication, and organizational culture have on developing effective and committed employee performance. Students who receive credit for MGMT 630 may not receive credit for MGMT 610 or MGMT 615.

MGMT 640 Financial Decision Making for Managers (3)

An exploration of contemporary managerial practices related to financial decision making in business, government, and not-for-profit organizations. Emphasis is on fundamental concepts of financial accounting and economics, including opportunity cost, the time value of money, and financial analysis. The objective is to apply financial and nonfinancial information to a wide range of management decisions, from product pricing and budgeting to project analysis and performance measurement. Topics include decision-making tools such as break-even analysis, activity-based costing procedures, and discounted cash flow techniques. Activities require extensive use of Microsoft Excel.

MGMT 650 Statistics for Managerial Decision Making (3)

Prerequisite: Knowledge of the fundamentals of statistical methods, techniques, and tools. An examination of how managers organize, analyze, and interpret data for decision making. Focus is on developing skills in using statistical tools to make effective business decisions in all areas of public- and private-sector decision making, including accounting, finance, marketing, production management, and human resource management. Topics include collecting data; describing, sampling, and presenting data; probability; statistical inference; regression analysis; forecasting; and risk analysis. Microsoft Excel is used extensively for organizing, analyzing, and presenting data.

MGMT 670 Strategic Management Capstone (3)

Prerequisite: Completion of 24 credits of program coursework, including all core courses. A capstone investigation of how strategy interacts with and guides an organization within its internal and external environments. Focus is on corporate- and business unit-level strategy, strategy development, strategy implementation, and the overall strategic management process. Topics include organizational mission, vision, goal setting, environmental assessment, and strategic decision making. Techniques such as industry analysis, competitive analysis, and portfolio analysis are presented. Discussion covers strategic implementation as it relates to organizational structure, policy, leadership, and evaluation issues. The ability to "think strategically" and to weigh things from the perspective of the total enterprise operating in an increasingly global market environment is emphasized. Case analyses and text material are used to integrate knowledge and skills gained through previous study.

Professional Communication and Leadership

PRO 600 Communicating, Problem Solving, and Leading in Professional Fields (6)

Make yourself more valuable to an employer by gaining and improving skills in communication and problem solving. Explore your field by developing connections to your career path, creating a professional social network presence, and using critical thinking to inform decisions. Improve and refine your skills in communication, critical thinking, quantitative reasoning, and team leadership as you hone your professional writing and oral communication and proficiency with analytical software programs, collaboration tools, and other professional software. Students may receive credit for only one of the following courses: CBR 600, DCL 600M, DCL 600T, or PRO 600.

Project Management

PMAN 634 Foundations of Project Management (3)

An overview of the theory and practice of managing projects in any organization or industry using traditional, agile, and hybrid methodologies. All three skill sets of the Project Management Institute Talent Triangle—technical project management, leadership, and strategic and business management—are addressed and provide foundational project management knowledge and a skill base that is highly relevant to workplace project challenges. Emphasis is on blending hard and soft skills to realize superior project outcomes. Skills associated with harnessing diversity; building, leading, and motivating project teams; communications; conflict management; and emotional intelligence are intertwined with tools and techniques drawn from all 10 of the project management knowledge areas—integration, scope, schedule, cost, quality, resource, communication, risk, procurement, and stakeholder—with emphasis on integration management and scope management. These skills and techniques are contextualized to predictive (traditional) and adaptive (agile) life cycles and to the initiation, planning, executing, monitoring/control, and closure of a project. Emphasis is on the need to constantly align projects with value creation using practices and approaches that are tailored to mission, vision, and strategy of an organization; the needs and priorities of stakeholders; and organizational culture and mores.

PMAN 635 Project Schedule, Cost, and Resource Management (3)

Prerequisite: PMAN 634. In-depth coverage of the logical and conceptual progression of a project from scope to schedule and budget, developed in the context of traditional project management, and then adapted to agile and hybrid approaches. Aspects of resource management that relate to schedule and cost are also addressed. Emphasis is on cultivating practical and workplace-relevant skills, tools, and techniques essential for effectively estimating, modeling, and managing schedule and budget and for addressing the associated uncertainties, imperatives, and challenges encountered in real-life projects. Project management software is used to develop actionable reports and dashboards that provide a realistic and well-informed depiction of the schedule and budget, so that stakeholders can effectively engage with and support the project, make informed decisions, and assist in narrowing the gap between plan and actual performance. Applications extend from projects to programs and portfolios and develop the leadership skills and insights required to ensure program alignment with organizational mission, strategy, and goals.

PMAN 637 Project Risk Management (3)

Prerequisites: PMAN 634 and PMAN 635. An in-depth analysis of risk management methods and cases and project management risk monitoring from strategic, applied perspectives. State-of-the-art tools and techniques for identifying, ranking, and monitoring risks in the project management environment are examined and utilized. Both qualitative and quantitative risk analyses are conducted, and strategies for proactive risk mitigation are developed. Focus is on how a comprehensive risk management approach can enable a project team to proactively manage issues that adversely impact the successful scope, scheduling, control, and completion of a project.

PMAN 638 Project Communications Management (3)

Prerequisite: PMAN 634. An overview of conflict resolution processes and methods and the skills needed to manage the human elements within project management, a task as challenging as managing the technical aspects. Topics include critical communication and conflict resolution issues faced by project workers in today's global corporate environment. Innovative approaches to successfully negotiating and resolving conflicts among team members, colleagues, managers, and stakeholders are introduced and practiced. Proven techniques to make conflict a constructive rather than a destructive experience are analyzed. Emphasis is on case study analysis, effective communication behaviors, negotiation skills, and virtual team processes to successfully lead both domestic and global projects.

PMAN 639 Project Quality Management (3)

Prerequisites: PMAN 634 and PMAN 635. An applied study of the quality management policies, processes, and procedures required to ensure that projects satisfy the objectives for which they were undertaken. Process improvement and quality planning, assurance, and control are emphasized, with a focus on effectively managing customer satisfaction, promoting prevention over inspection, and facilitating continuous improvement. Activities associated with determining quality objectives, policies, and responsibilities are evaluated and implemented in the context of quality management principles, practices, and standards. Contemporary project quality management processes, tools, and applications are spotlighted and appraised for potential application to a project, with particular emphasis on the most widely used high-flier tools and techniques, such as benchmarking, cost of quality analysis, trend charts, histograms, control charts, cause and effect diagrams, Pareto charts, and Six Sigma. The need to mold the quality management approach to resonate with organizational priorities, objectives, and challenges is continually underscored.

PMAN 641 Project Procurement Management (3)

Prerequisite: PMAN 634. An examination of the tools needed for project procurement management. Focus is on determining what needs to be purchased or acquired and determining when and how to acquire it. Topics include planning the contracting efforts (documenting products and services and identifying potential sellers); requesting sellers' responses (obtaining information, quotation, bids, offers, or proposals); selecting the seller (receiving and reviewing offers, selecting among those potential offers, and negotiating a contract); administering contracts (managing the relationship between buyers and sellers, including documentation, corrective actions, and contract changes); and closing contracts (completing the contract and settling all open issues).

Social Work

UMGC Europe is partnered with Salisbury University to offer graduate courses leading to a Master of Social Work.

SOWK 602 Ethical Foundation of Social Work (3)

Prerequisite: Specialization status or permission of the department. Focuses on ethical issues in social work practice, including a theoretical framework and ethical problem-solving model to systematically evaluate values and resolve ethical dilemmas found in social work practice. Provides tools and methodologies for reflection and analysis.

SOWK 604 Treatment of Trauma (3)

Prerequisite: Specialization status or permission of the program director. Examine a complete approach to the treatment of trauma and trauma-related disorders from a strengths-based perspective. Learn about trauma theory, including developmental trauma and complex trauma. Understand various treatment models for acute and complex trauma, and further develop the skills of assessment, treatment planning, and intervention with clients who have been traumatized. Practice intervention skills, including psychoeducation and affect regulation. Explore the intergenerational, socio-cultural, and societal impact of trauma.

SOWK 607 Social Welfare Policy Practice: Analyst and Advocate (3)

Provides understanding of social welfare policy analysis with micro, mezzo, and macro social work policy practice knowledge skills. Prepares students to participate in the policy making process, integrating both policy analytical and formulation skills, as well as understanding the methods and strategies for advocating for policy change and new policies.

SOWK 610 Theoretical Analysis of Behavior I (3)

Focuses on the individual, family, and peer group as a social system, and assessment using a bio-psycho-social-cultural-spiritual perspective. Explores human development through the lifespan. Presents analysis of several theories which explain human behavior and inform social work practice. Focus on privilege, oppression, prejudice, and discrimination. Develops foundation assessment skills.

SOWK 616 Social Work Research I (3)

The first of two courses in social work and evaluation research. Emphasis on understanding the development and use of scientific knowledge and the application of that knowledge to evaluate social work interventions and program evaluation. Special attention is given to applied research methodologies to enhance the student's use of evidence-based social work knowledge and skills.

SOWK 617 Social Work Research II (3)

Prerequisite: SOWK 616 or permission of the department. The second of two courses focused on the basic concepts and methods of scientific inquiry used to build knowledge and evaluate practice. Builds and expands upon material covered in Social Work Research I. Topics include an introduction to program evaluation, single-subject designs, data analysis, descriptive and inferential statistics, presentation of data and report writing, and application of findings to practice. Special attention is given to applied research methodologies that will enhance the student's use of evidence-based interventions. May be repeated only once with permission of the department.

SOWK 620 Social Work Practice I (3)

Emphasizes a generalist social work perspective for the mastery of practice theory and the development of engagement, assessment, intervention, and evaluation skills related to social work practice with individuals and families.

SOWK 622 Social Work Practice II (3)

Second of three practice courses preparing students for a generalist approach to social work practice. Expands basic knowledge, values, ethics, and skills, with emphasis on mezzo-level problem solving. Includes theories and techniques for planning, assessment, and advocacy for family and small group interventions.

SOWK 623 Social Work Practice III (3)

Third of three practice courses preparing students for a generalist approach to social work. Expands basic knowledge, values, ethics, and skills, with emphasis on macro-level problem solving. Includes theories and techniques needed for practice within an organization and/or community context.

SOWK 630 Theoretical Analysis of Behavior II (3)

Examines the development of communities and organizations as social systems. Human behaviors as affected by race, class, gender, age, and sexual orientation are a main component. Reflects social work's unique integration of theories drawn from sociology, psychology, biology, anthropology, and economics to understand the multiple influences on behavior. Macro sociological theories for critical analyses of society, communities, social institutions, and social organizations are presented. Develops macro assessment skills.

SOWK 640 Field Instruction I (3)

Prerequisite or corequisite: SOWK 620. Corequisite: SOWK 616. A seminar will be conducted concurrently. The first of a two-term sequence of supervised experience in the delivery of social services, where students are required to participate in an agency-based field practicum for two days per week under the supervision of an agency-based field instructor with an MSW. Successful completion of the two-course sequence (SOWK 640 and SOWK 645) requires a student to fulfill a minimum of 440 hours of field instruction accumulated across two full terms (semesters).

SOWK 645 Field Instruction II (3)

Prerequisite: SOWK 640. A seminar will be conducted concurrently. The second of a two-term sequence of supervised experience in the delivery of social services, in the same agency students entered in SOWK 640, where students are required to continue an agency-based field practicum for two days per week under the supervision of an agency-based field instructor with an MSW. Successful completion of the two-course sequence (SOWK 640 and SOWK 645) requires a student to fulfill a minimum of 440 hours of field instruction accumulated across two full terms (semesters).

SOWK 650 Advanced Practice with Individuals (3)

Familiarizes the practitioner with strengths assessment and theories used when intervening with individuals. Utilizes concepts of theory-based intervention strategies tying accurate assessment to intervention plans. Specific assessment techniques, including qualitative and quantitative instruments, are explored. Emphasis on advanced interview skill techniques.

COURSE INFORMATION

GRADUATE COURSE DESCRIPTIONS

SOWK 653 Substance Abuse Assessment and Intervention (3)

Prerequisite: Specialization status or permission of the department. Provides a comprehensive introduction to the recognition, assessment, and intervention with persons who abuse substances. Attention is directed to the interactive effects of substance abuse on abusers, on other persons in the abusers' lives, and on society. Other topics explored in the course will include: models of chemical dependency, the dually-diagnosed client; and the comparison and contrast of selected models of intervention.

SOWK 654 Psychopathology (3)

Prerequisite: Specialization status or permission of the department. Provides extensive knowledge of the major forms of mental illness and their treatment. Develops competence in multi-axial assessment by mastering the accepted diagnostic code, DSM-5. Provides skills in development of appropriate and contemporary treatment plans. Explores the factors associated with mental illness such as age, race, ethnicity, and gender.

SOWK 655 Evaluation of Social Work Practice (3)

Prerequisite: SOWK 650 or permission of the department. The study of practice-outcome research and program evaluation in social work. Students learn skills in grant writing and use of appropriate recording and measurement instruments for practice with individuals, groups, families, and organizations.

SOWK 660 Advanced Practice with Families (3)

Prerequisite: SOWK 650 or permission of the department. This course builds upon theoretical perspectives and practice skills from both foundation-level and advanced-level curriculum. Course content focuses upon applied family interventions in social work practice and helps students compare, evaluate, and present practice skills from the major models of family therapy.

SOWK 663 Supervision and Administration (3)

Prerequisite: Specialization status or permission of the department. An introduction for advanced-level students to supervision and administration in the human services. Students are introduced to the historical development of supervision in social work and will learn to apply knowledge of three primary supervisory functions: administration, education, and support of supervisees. Additionally, students will focus on organizational theory, as it provides a foundation to models of social work/welfare administration within social welfare delivery systems.

SOWK 665 Field Instruction III (4)

Prerequisites: Specialization status, SOWK 650. A seminar will be conducted concurrently. The first of a two-term sequence of supervised advanced field practicum experience in the delivery of social services, where students are required to participate in an agency-based field practicum for three days per week under the supervision of an agency-based field instructor with an MSW. Successful completion of the two-course sequence (SOWK 665 and SOWK 685) requires a student to fulfill a minimum of 672 hours of field instruction accumulated across two full terms (semesters).

SOWK 677 Child Welfare (3)

This course is designed to prepare advanced-level students to be child welfare practitioners able to move beyond the protective focus to practice applications of prevention and change. The curriculum includes knowledge about human services for children, the values and philosophy of family preservation, trends in social welfare policy impacting children and their families, and the effects of gender, race, and ethnicity on social work practice with children.

SOWK 680 Advanced Practice with Groups (3)

Prerequisite: SOWK 650 or permission of the department. This course builds upon theoretical perspectives from human behavior and the social environment, knowledge and skills from foundation-level practice courses, and theory and skills from the advanced theory and practice course. The course familiarizes the practitioner with the concept of the group as therapeutic communities with curative factors.

SOWK 685 Field Instruction IV (4)

Prerequisite: SOWK 665. A seminar will be conducted concurrently. The second of a two-term sequence of supervised advanced field practicum experience in the delivery of social services where students are required to continue to work three days a week in the same social welfare agency the student entered in SOWK 665 under the supervision of an agency-based field instructor with an MSW. Successful completion of the two-course sequence (SOWK 665 and SOWK 685) requires a student to fulfill a minimum of 672 hours of field instruction accumulated across two full terms (semesters).

Software Engineering

Students may find detailed course descriptions on the website at europe.umgc.edu.

Special Topics

UCSP 605 Effective Graduate Writing (0)

(Recommended preparation for students who want to improve their writing skills.) An introduction to the writing skills needed for effective academic writing. Skills addressed include accurate grammar and punctuation; summarizing and synthesizing texts; developing well-organized, well-supported informative essays; integrating sources into writing and formatting academic papers using APA guidelines; and revising writing to produce clear, concise documents.

UCSP 615 Orientation to Graduate Studies at UMGC (0)

(Required within the first 6 credits of graduate study for all new graduate students, except those in programs requiring CBR 600, DCL 600M, DCL 600T, or PRO 600.) An overview of the skills needed for academic and professional success. Focus is on enhancing communication and critical thinking skills. Assignments provide familiarity with tools such as social media and library and information resources. APA style and resources are also addressed.

UCSP 620 Introduction to Accounting and Financial Management (0)

(Recommended as preparation for MGMT 640 or ACCT 610 for students with little or no background in accounting and finance.) A basic study of accounting and financial management concepts and their application in analyzing financial statements and estimating the value of long-lived capital projects and investments. The financial statements of actual companies are analyzed using financial ratios. Future and present value of financial and real assets/investments are calculated based on the time value of money. Emphasis is on gaining an appreciation for how financial management and accounting information can be used to support financial analysis, valuation, and decision making in various contexts.

UCSP 630 Introduction to Research Methods (0)

(Recommended as preparation for MGMT 650 or HIMS 650 for students who lack a background in statistics.) A presentation of basic research techniques and methodologies used in organizational research and evaluation studies to make business decisions. Focus is on applying basic research techniques to assess the performance of individuals, work groups, and organizations. Topics include principles of good data collection, presentation of data in tables and charts, summary and description of numerical data, basic probability and discrete estimation, the fundamentals of hypothesis testing, and the use of existing research-based materials to solve business problems. Discussion emphasizes basic approaches and beginning skills necessary to evaluate research materials and their use in decision making.

UCSP 635 Essentials of Computer Programming (0)

(Recommended preparation for bioinformatics, database technology, and software engineering students with little or no programming experience). An applied approach to creating computer programs. Discussion covers all aspects of basic programming, including variables, arrays, conditions, and input/output.

UCSP 636 Structure of Computer Programming (0)

(Recommended preparation for bioinformatics, database technology, and software engineering students with some programming experience, typically with older languages such as PRG and COBOL.) Prerequisite: UCSP 635. An applied approach to creating computer programs. Discussion covers aspects of programming related to the structure of the program, including loops, procedures/functions, and leveraging other software libraries/packages.

Systems Engineering

Students may find detailed course descriptions on the website at europe.umgc.edu.

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Policies

The information contained in this catalog reflects the policies of both UMGC and the University System of Maryland (USM). The complete list and text of UMGC's policies can be found at umgc.edu/policies. USM policies can be found at usmd.edu/regents/bylaws.

Annual Security Report and Consumer Disclosures

In accordance with U.S. Department of Education regulations, University of Maryland Global Campus distributes an Annual Safety and Security Report to all current students, staff, and faculty. It is also available to prospective students, staff, and faculty, upon request.

The annual report provides important information about rights and responsibilities on the following topics:

- ✦ Campus safety and security policies and services
- ✦ Sexual misconduct policy
- ✦ Emergency procedures
- ✦ Notification of rights under FERPA for postsecondary institutions
- ✦ Peer-to-peer file sharing
- ✦ Drug prevention program
- ✦ Clery Act crime statistics by location for the previous three calendar years

You can read the Annual Safety and Security Report at umgc.edu/inform. If you have questions or wish to receive a copy of the current annual report, contact the UMGC director of security at +1-301-985-7471.

In addition, the annual notice to current students provides information about accessing the Family Educational Rights and Privacy Act (FERPA) Notification and the Peer-to-Peer File Sharing Notification, as well as the following mandated consumer disclosures:

- ✦ Institutional information including, but not limited to, cost of attendance, refunds, withdrawal procedures, academic programs, transfer credit, complaint procedures, and accessibility services
- ✦ Financial assistance available to students
- ✦ Student outcomes including, but not limited to, retention and completion rates
- ✦ Types of graduate and professional education in which UMGC undergraduate alumni enroll

To help you stay informed, additional consumer disclosures can be found at umgc.edu/disclosures.



Disclosure of Student Records

UMGC complies with the Family Educational Rights and Privacy Act (FERPA), a federal law that protects the privacy of students' education records. In accordance with FERPA, you have the right to inspect and review your education records; seek an amendment of your education records, where appropriate; limit disclosure to third parties of directory information (student information that may be released without your prior written consent); and file formal complaints alleging a violation of FERPA with the Department of Education Family Policy Compliance Office. In addition, FERPA provides that most of your student information may not be released to third parties without your prior consent.

UMGC's Policy 210.14 Disclosure of Student Records contains an explanation of information that may be disclosed with and without prior consent, as well as procedures for requesting amendments to records, requests for nondisclosure, and filing of complaints. Requests for inspection of your student records may be sent to UMGC Academic Operations at studentrecords@umgc.edu. For another person to act on your behalf, a power of attorney is required. More information on FERPA, including disclosures to third parties, can be found at umgc.edu/current-students/finances/financial-aid/financial-aid-policies/ferpa.cfm.

Nondiscrimination

UMGC is committed to ensuring that all individuals have equal access to programs, facilities, admission, and employment and that no person shall be excluded from participation in, be denied the benefit of, or otherwise be subjected to unlawful discrimination in this institution's programs and activities. In accordance with federal, state, and local laws and regulations, UMGC does not discriminate against any person on the basis of race, religion, color, creed, sex, gender, gender identity or expression, marital status, sexual orientation, age, national origin, ancestry, political affiliation, mental or physical disability, genetic information, veteran status (including Vietnam-Era veterans), or any other legally protected characteristic. Specifically, under Title IX of the Education Amendments of 1972, UMGC prohibits discrimination on the basis of sex in its programs and activities. UMGC will take steps to eliminate prohibited conduct, prevent its recurrence, and remedy its effects.

All inquiries regarding UMGC's Nondiscrimination Statement or compliance with applicable statutes and regulations regarding equal opportunity should be directed to the fair practices and equal opportunity officer, Office of Diversity and Equity, 3501 University Boulevard East, Adelphi, MD 20783-8000 (phone +1-301-985-7940 or email fairpractices@umgc.edu).

For UMGC Policy 040.30 Affirmative Action and Equal Opportunity, see umgc.edu/policies/adminpolicies/admin04030.cfm.

Inquiries regarding Title IX/sexual misconduct may be directed to the Title IX coordinator, Office of Diversity and Equity, 3501 University Boulevard East, Adelphi, MD 20783-8000 (phone +1-301-985-7021 or email titleixcoordinator@umgc.edu) or a member of UMGC's Title IX Compliance Team.

See umgc.edu/diversity/title-ix-sexual-misconduct/index.cfm.

For UMGC Policy 041.00 Sexual Misconduct, see umgc.edu/policies/adminpolicies/admin04100.cfm.

For external inquiries regarding the notice of nondiscrimination, including Title IX information, contact the Office for Civil Rights, U.S. Department of Education, Wanamaker Building, Suite 515, 100 Penn Square East, Philadelphia, PA 19107, or call +1-800-421-3481.

Contact the Overseas Title IX Investigator

titleixinvestigator-overseas@umgc.edu

Contact the Overseas Equal Opportunity Officer

eo-overseas@umgc.edu

Peer-to-Peer File Sharing

Unauthorized use of copyrighted materials may bring civil and criminal penalties to the user. UMGC is committed to combating the unauthorized use of copyrighted materials on UMGC's network (including the online classroom) and therefore has established a written plan to achieve this goal. The intent of this plan is to inform UMGC students, faculty, and staff members of the appropriate use of copyrighted material on the network and to deter, detect, and discipline prohibited use, while reasonably maintaining the educational use of UMGC's network. More information on UMGC's policy on intellectual property is available online at umgc.edu/intellectual-property.

Summary of Civil and Criminal Penalties for Violation of Federal Copyright Laws

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement.

Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or statutory damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For willful infringement, a court may award up to \$150,000 per work infringed. A court can, at its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504, 505.

Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense.

More information is available on the U.S. Copyright Office website at copyright.gov.

UMGC Procedures for Handling Unauthorized Distribution

UMGC implements an active protocol to respond to copyright infringement allegations. In accordance with the Digital Millennium Copyright Act (DMCA), UMGc has designated the following individual to receive and respond to reports of alleged copyright infringement on UMGc's website:

Sherri Sampson

General Counsel

Office of Legal Affairs

University of Maryland Global Campus

3501 University Boulevard East

Adelphi, MD 20783

+1-301-985-7080

legal-affairs@umgc.edu

To be effective under the DMCA, a notification of claimed infringement must be in writing and include the following information:

1. A physical or electronic signature of a person authorized to act on behalf of the owner of an exclusive right that is allegedly infringed;
2. Identification of the copyrighted work claimed to have been infringed, or, if multiple copyrighted works at a single online site are covered by a single notification, a representative list of such works at that site;
3. Identification of the material that is claimed to be infringing or to be the subject of infringing activity and that is to be removed or access to which is to be disabled, and information reasonably sufficient to permit the service provider to locate the material;
4. Information reasonably sufficient to permit the service provider to contact the complaining party, such as an address, telephone number, and, if available, an electronic mail address at which the complaining party may be contacted;
5. A statement that the complaining party has a good faith belief that use of the material in the manner complained of is not authorized by the copyright owner, its agent, or the law; and
6. A statement that the information in the notification is accurate, and under penalty of perjury, that the complaining party is authorized to act on behalf of the owner of an exclusive right that is allegedly infringed.

Once an effective DMCA takedown request is submitted, UMGc will act expeditiously to remove or block access to the infringing material.

Religious Observance

So that academic programs and services of UMGc shall be available to all qualified students who have been admitted to its programs, regardless of their religious beliefs, students shall not be penalized because of observances of their religious holidays. More information on UMGc Policy 051.00 Religious Observances may be found at umgc.edu/policies/academicpolicies/aa05100.cfm.

Retention of Student Records

UMGC maintains records of students' admission, enrollment, grades, transfer of credits, transcripts, graduation, and degree(s) while the student is enrolled and permanently after graduation. For information regarding UMGc Policy X-1.03 Records and Information Management, visit umgc.edu/administration/policies-andreporting/policies/info-governance-security-technology.

Sexual Misconduct

UMGC is committed to creating and maintaining an environment in which all persons who participate in university programs and activities, perform work, and provide services can learn and work together in an atmosphere free from sexual misconduct, a form of sex-based discrimination.

UMGC provides training, education, prevention programs, and policies and procedures that promote prompt reporting; prohibit retaliation; and promote timely, fair, and impartial investigation and resolution of sexual misconduct cases.

Inquiries concerning the application of Title IX may be referred to the UMGc's Title IX coordinator or the U.S. Department of Education, Office for Civil Rights. If you have any questions regarding sexual misconduct or need to report a complaint, contact Steven Alfred, Title IX coordinator, by phone at +1-301-887-7295 (voice and text) or via email at titleixcoordinator@umgc.edu.

For details on UMGc's sexual misconduct policy, see UMGc Policy 041.00 Sexual Misconduct at umgc.edu/policies/adminpolicies/admin04100.cfm and umgc.edu/diversity/title-ix-sexual-misconduct/index.cfm.

Smoking

In accordance with USM policy, UMGc seeks to promote a healthy, smoke-free environment for the UMGc community. More information on policy 640.00 UMGc Policy on Smoking may be found at umgc.edu/policies/adminpolicies/admin64000.cfm.

Student Classification for Admission and Tuition

For information on student classification and residency, see USM policy VIII-2.70 at usmd.edu/regents/bylaws/SectionVIII. Also see UMGC policy 210.20 Student Residency Classification for Admission, Tuition, and Charge-Differential Purposes at umgc.edu/policies/fiscalpolicies/fisc21020.cfm.

Student Drug and Alcohol Awareness

UMGC complies with all federal, state, and local laws that regulate or prohibit the possession, use, or distribution of alcohol or illicit drugs. Violations of such laws that come to the attention of UMGC officials will be addressed through UMGC procedures, through prosecution in the courts, or both.

All UMGC students are prohibited by UMGC from unlawfully possessing, using, manufacturing, distributing, or dispensing alcohol or any controlled substance on UMGC premises or at UMGC-sponsored activities. UMGC expects all students to comply with applicable federal, state, and local laws and regulations pertaining to possession, use, manufacture, distribution, or dispensation of alcohol and/or controlled substances.

Any student who violates any of the applicable standards of conduct is subject to corrective disciplinary actions and penalties up to and including expulsion from UMGC academic programs and referral to the appropriate federal, state, and/or local authorities for prosecution in the courts. Students should see the drug prevention program section of the most current UMGC Annual Safety and Security Report (umgc.edu/inform) for additional information.

Transfer of General Education Requirements

UMGC conforms with the general education requirements as laid out by COMAR 13B.02.02.16D(2)(b)-(c). Up to 36 general education credits earned at another Maryland public institution will transfer to UMGC as general education credits. UMGC's general education requirements may be found on pp. 76-77 of this catalog.

A student who has satisfactorily completed a course identified as a general education requirement at a Maryland community college will receive credit toward UMGC's general education requirements, as stated in Code of Maryland Regulations Title 13B, Subtitle 06, Chapters 1–10. For other students, courses are evaluated on a case-by-case basis. UMGC has included its evaluation of many Maryland community college courses in its section of the University System of Maryland's computerized articulation system (ARTSYS). This software is available at all two- and four-year Maryland public institutions and online at artsys.usmd.edu. Consult an academic advisor for details.

Appendices

CPA Requirements

UMGC's programs in accounting may help prepare you to sit for the Uniform Certified Public Accountant Exam and/or obtain initial licensure as a Certified Public Accountant (CPA) in Maryland. To sit for the CPA Exam in Maryland, a candidate is required to have successfully completed 120 credits toward an accounting degree. Many other states, however, require candidates to successfully complete 150 credits prior to sitting for the CPA Exam.

To obtain initial licensure as a CPA in Maryland and most other states, a candidate is required to have successfully completed 150 credits. UMGC graduate accounting programs help prepare you to become licensed as a CPA in Maryland.

If you intend to request transfer credits from a nonregionally accredited institution, a third-party provider or facility, or an institution located outside the United States, or you intend to request transfer of ACE-evaluated credit, be aware that doing so may impact your ability to become licensed as a CPA. For information regarding licensure in other states and transfer credit, visit umgc.edu/professional-licensure.

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UMGC EUROPE PROGRAMS AT-A-GLANCE



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UNDERGRADUATE PROGRAMS

	BACHELOR'S MAJOR	MINOR	ASSOCIATE	CERTIFICATE
Accounting	✓	✓	✓*	✓
Art history		✓		
Biology		✓		
Business administration	✓	✓		
Business and management			✓*	
Communication studies	✓	✓		
Computer science	✓	✓		
Computer studies			✓*	✓
Criminal justice	✓	✓		
Cybersecurity		✓		
Cybersecurity management and policy	✓			
Cybersecurity technology	✓			
Data science	✓	✓		
Diversity awareness		✓		
Economics		✓		
English	✓	✓		
Foreign language area studies			✓*	✓
Forensics		✓		
General studies	✓		✓	
History	✓	✓		
Homeland security	✓	✓		
Humanities	✓			
Human resource management	✓	✓		
Management information systems	✓	✓		
Management studies	✓			✓
Marketing	✓	✓		
Mathematics			✓*	
Military history			✓*	
Philosophy		✓		
Political science	✓	✓		
Psychology	✓	✓	✓*	
Social science	✓			
Social work *	✓			
Sociology		✓		
Terrorism and critical infrastructure		✓		
Web and digital design	✓	✓		
Women, gender, and sexuality		✓	✓*	✓



GRADUATE PROGRAMS

	MASTER'S	SPECIALIZATION	CERTIFICATE
Acquisition and contract management	✓		✓
Business administration	✓		
Cloud computing and networking			✓
Cloud computing systems	✓		
Criminal justice management		✓	
Cyber operations	✓		✓
Cybersecurity management and policy	✓		✓
Cybersecurity technology	✓		✓
Database systems technology		✓	✓
Digital forensics and cyber investigation	✓		✓
Foundations of information technology			✓
Global health management			✓
Healthcare administration	✓		
Homeland security management		✓	✓
Informatics		✓	✓
Information assurance		✓	✓
Information technology	✓		
Management	✓		
Project management		✓	✓
Software engineering		✓	✓
Systems engineering		✓	✓
Social work *	✓		
Teaching	✓		

* AA in General Studies with a specialized curriculum area

* Program offered by our partner institution, Salisbury University, and administered by UMGCEurope. Not currently available for students in Africa and the Middle East.



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