2024–2025
UMGC EUROPE
CATALOG
ADDENDUM

UNIVERSITY OF MARYLAND
GLOBAL CAMPUS | EUROPE

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The following information is an update to the 2024–2025 UMGC catalog and represents changes and additions made after original publication. Refer to the 2024–2025 catalog for information on all other programs, services, and policies.

MISSION

The mission of UMGC is to inspire hope, empower dreams, and transform lives . . . one student at a time. We 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
- Providing our students with affordable, open access to valued, quality higher education
- Serving as a recognized leader in career-relevant education, embracing innovation and change aligned with our purpose, and sharing our perspectives and expertise

VISION

The vision of UMGC is to be the school of choice for adults and business because we are learner-centric, data-driven, and skills-based.

VALUES

The core values of UMGC support its institutional vision for the future of learning and ensure the fidelity of the university's commitment to its learners and community.

- **Celebrate Diversity:** Our welcoming of diverse perspectives and ideas differentiates us and drives innovation
- **Optimize Agility:** Curiosity and adaptability—informed and guided by data—drive continuous improvement and transformation
- **Reach Beyond:** Courage and willingness to challenge boundaries lead to transformative solutions, for our institution and our learners alike
- **Embrace Collaboration:** Teamwork, effective communication, and clarity of purpose drive success

Artificial Intelligence Foundations

AVAILABLE SPRING 2025

The following degree requirements and recommended curriculum apply to students who begin continuous study on or after January 1, 2025.

The certificate program in Artificial Intelligence Foundations is designed to equip you with the knowledge and skills needed to lead AI initiatives within your organizations, regardless of your particular field. Specifically tailored for nontechnical professionals and managers, the program helps prepare you to navigate the evolving landscape of artificial intelligence in your respective industry. You'll attain a comprehensive understanding of AI, from introductory concepts to practical AI tools and applications, ethical considerations, and broader implications for both the workplace and society.

Required Courses

DATA 200   Data Literacy Foundations (3)

ARIN 310   Introduction to Artificial Intelligence (3)

CMSC 307   AI Applications (3)

ARIN 340   Generative AI (3)

ARIN 350   Responsible AI (3)

ARIN 410   Artificial Intelligence in the Enterprise (3)

Total credits for undergraduate certificate in Artificial Intelligence Foundations: 18

Artificial Intelligence

ARIN 310 Introduction to Artificial Intelligence (3)

A comprehensive introduction to the basic principles and terminology of the field of artificial intelligence (AI). The aim is to use a solid understanding of AI concepts to facilitate informed decision-making and collaboration with technical teams. Topics include various subfields of AI, such as machine learning, natural language processing, and computer vision, as well as real-world applications of AI in areas such as recommender engines, supply chains, fraud detection, and customer service.

ARIN 340 Generative AI (3)

A comprehensive introduction to generative artificial intelligence models, a cutting-edge area of AI that focuses on creating content such as images, music, and text. Topics include the underlying principles and techniques behind generative models, e.g., large language models. Emphasis is on practical applications that demonstrate how generative AI is revolutionizing industries such as art, music composition, and content creation. Discussion covers the creative potential of AI generative pretrained transformers Hands-on experience with generative tools is provided.

ARIN 350 Responsible AI (3)

An in-depth examination of the ethical considerations, societal impact, and responsible use of AI. The goal is to navigate the ethical landscape of AI, make informed decisions, and promote responsible AI practices within one's organization. Topics include bias and fairness in AI algorithms, transparency, privacy concerns, and the ethical implications of generative AI models. Realworld examples of AI-related ethical challenges are explored through case studies and discussions.

ARIN 410 Artificial Intelligence in the Enterprise (3)

A project-based examination of the practical application of AI, transforming sectors such as finance, healthcare, marketing, and supply chain management. The aim is to identify opportunities for AI adoption in one's organization and leverage AI for strategic advantage. Topics include predictive analytics, recommendation systems, automated decision-making, and the integration of AI into business processes.

UNIVERSITY OF MARYLAND GLOBAL CAMPUS EUROPE

UMGC EUROPE
LOCATIONS

We offer classes and services at 53 sites across Europe and the Middle East in:

- Bahrain
- Belgium
- Djibouti
- Egypt
- Germany
- Italy
- Jordan
- Kuwait
- Netherlands
- Poland
- Portugal
- Qatar
- Romania
- Saudi Arabia
- Spain
- Turkey
- United Arab Emirates
- United Kingdom

For up-to-date contact information and business hours, please visit *europe.umgc.edu/locations*.