

OVERVIEW OF PROFESSIONAL PROGRAMS

Beginning a graduate degree program in the United States is exciting, but can also be daunting, especially for students traveling from other countries. International students often have questions about their transition to the United States throughout the admission process. Below is an overview of graduate programs offered by the Office of Professional Programs at UMBC and contact information for Graduate Program Directors and Graduate Program Coordinators.

UMBC'S PROFESSIONAL MASTER'S DEGREE PROGRAMS

Master's of Professional Studies (MPS)	Master's of Science (MS)	Post-Baccalaureate Certificate
Focuses on career development with applied research, specialized skills and hands-on learning	More rigorous admission requirements, applied research, specialized skills and hands-on learning	Meets specific career requirements
Instructors are working industry experts	Instructors are working industry experts	Instructors are working industry experts
Concludes with applied capstone project	Concludes with applied capstone project or specialization	Credits earned may count towards MPS/MS degree

Program	Program type	Full Time Eligible	STEM designation	Graduate Program Director	Graduate Program Coordinator
Main UMBC campus					
Cybersecurity	MPS	✓	✓	Richard F. Forno, Ph.D.	Dustin Hodgson
Data Science	MPS	✓	✓	Ergun Simsek, Ph.D.	Faith Dinh
Engineering Management	MS	✓	✓	Neil Rothman, Ph.D.	Kim Edmonds
Entrepreneurship, Innovation and Leadership	MPS	✓		Gib Mason	Renee Eisenhuth
Health Information Technology	MPS	✓	✓	Rose Yesha, Ph.D.	Dustin Hodgson
Systems Engineering	MS	✓	✓	Neil Rothman, Ph.D.	Kim Edmonds
Technical Management	MPS	✓	✓	Neil Rothman, Ph.D.	Kim Edmonds
Community Leadership Program	MPS	✓		Sally Scott, Ph.D.	Renee Eisenhuth
Universities at Shady Grove					
Biotechnology	MPS	✓	✓	Annica Wayman, Ph.D.	Office of Professional Programs
Cybersecurity	MPS	✓	✓	Richard F. Forno, Ph.D.	Office of Professional Programs
Data Science	MPS	✓	✓	Ergun Simsek, Ph.D.	Office of Professional Programs
Geographic Information Systems	MPS	✓	✓	Erwin Villiger, Ph.D.	Office of Professional Programs
Industrial/Organizational Psychology	MPS	✓		Elliot Lasson, Ph.D.	Office of Professional Programs
Technical Management	MPS	✓	✓	Neil Rothman, Ph.D.	Office of Professional Programs

For information about other master's and doctoral programs at UMBC, see the Graduate School [website](#).

Still have questions?

We are here to help answer international students' questions about housing, transportation, health insurance, pre-arrival, work opportunities, and other on and off-campus support services.

Contact:

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