CAREER FORWARD
Advance with a respected graduate degree from UMUC.

www.umuc.edu/moveforward
An advanced degree opens the door to 

CAREER ADVANCEMENT

Professional credentials can help propel you to the top of your chosen field. And University of Maryland University College (UMUC) offers a wide range of career-specific graduate programs designed to help you develop the momentum you need to reach your career goals, no matter what level you’re starting from or how demanding your schedule may be. That’s because UMUC understands the needs and aspirations of adult students—people just like you—who must balance their family, work, and community obligations with the educational options they choose.

“The unique combination of our faculty’s practical experience and academic rigor places UMUC at the forefront of the academic institutions that prepare students for the job market. Students appreciate interacting with faculty who are active in their fields and can relate study topics with real-life situations. Learning by example helps our students feel ready to apply what they learned in the classroom to their job.”

IRMAK RENDA-TANALI, DSC
Program Director,
Homeland Security Management
and Emergency Management,
and Collegiate Associate Professor
The Graduate School

PHOTOGRAPH BY MARK FINKENSTAEDT
UMUC’S GRADUATE SCHOOL HELPS YOU MOVE FORWARD

Move ahead with a graduate school that’s designed for you

Since 1978, UMUC’s Graduate School has provided career-focused, cutting-edge master’s and doctoral degree programs and graduate certificates that have helped thousands of working adults take their careers to new heights. Whether you have just finished your undergraduate degree or are a seasoned executive, UMUC offers graduate programs that are right for you.

UMUC’s award-winning programs are designed to provide a solid foundation of business principles and theory, combined with the kind of practical, real-world skills that you can take back to the workplace and apply immediately. A UMUC degree can help set you apart from the competition and help get you noticed.

Master critical skills with the help of top industry professionals

Many of the faculty members who teach UMUC courses have real-world experience and are respected leaders in their fields. In addition to holding professional and academic credentials, most are practicing professionals in public and private industry, government, and nonprofit organizations. They hold senior-level positions and additional professional certifications. Some are Fulbright Scholars, nationally recognized journalists, or internationally known authors. And they all know what is relevant in today’s competitive job market. So you’ll benefit from their firsthand knowledge, experience, and personal attention while working on real-world projects with other career-focused adult students.

Take command of your time, with classes that fit your fast-paced life

• **Online programs.** Most degree and certificate programs can be completed entirely online—so you can take classes at your convenience, from anywhere in the world.

• **Accelerated classes.** Complete your MBA in either 12 or 24 months, and save time as you earn your degree. Sessions for the two-year program start in January, April, July, and October.

• **Convenient on-site classes.** Some programs offer evening classes at several locations in the Washington, D.C., metro area.

UMUC FAST FACTS

• One of 11 degree-granting institutions of the University System of Maryland.

• Accredited university dedicated to providing degree programs that have practical application in the real world.

• Innovative pioneer in the development of distance education.

• Winner of four prestigious Sloan Consortium awards for Excellence in Online Teaching and Learning.

More information about certificates, including gainful employment disclosures, is available at [www.umuc.edu/gradcertificates](http://www.umuc.edu/gradcertificates).
UMUC’s graduate degree and certificate programs focus on the qualifications that are vital to help you secure and advance your career in today’s troubled economy, whether you are looking to reenter the workforce, change careers, or move ahead in your current position.

A UMUC graduate education can help prepare you for a leadership role—in the classroom, courtroom, squad room, boardroom, and beyond—in vital areas such as

• **Business Administration.** The Master of Business Administration (MBA) remains the premier credential for those seeking to assume greater responsibility within their organizations. A new global business option in the two-year program lets you focus your studies on emerging economies and global business management. UMUC’s one-year MBA program offers you the opportunity to acquire the same key competencies as the standard two-year program in an accelerated format.

• **Education.** Teachers make a difference for America’s future generations. UMUC’s Master of Arts in Teaching (MAT) leads to eligibility for Maryland teaching certification in 17 different areas of secondary education. Maryland teaching certificates may also be recognized in other states. And the Doctor of Management in community college policy and administration can prepare you to lead effectively in today’s fast growing community college environment.

• **Cybersecurity.** Since 9/11, the rate of cyber attacks against America’s networked computer systems has increased dramatically. The current corps of cybersecurity experts is stretched too thin to adequately protect our country’s critical industries and infrastructure from cyber criminals and cyber terrorists. UMUC has developed programs to help fill the leadership gap with a Master of Science in cybersecurity, a Master of Science in cybersecurity policy, and a new Master of Science in digital forensics and cyber investigation.

• **International management.** In today’s global arena, an international perspective is crucial for success. Within the Master of International Management (MIM), you can now focus your studies on the important field of international emergency management or in international enterprise, financial, or marketing management.

“UMUC students are motivated to finish their degrees, and it gives me great satisfaction when they tell me that they can apply immediately to their professional lives what they study in class. It is also a pleasure to work with dedicated, accomplished faculty colleagues. Motivated students and strong faculty make for a great institution. I’m proud to be a part of it.”

**ROBERT W. JEROME, PhD**  
**Program Director,**  
**International Management,**  
**and Collegiate Professor**  
**The Graduate School**

PHOTOGRAPHY BY MARK FINKENSTAEDT
Gain broader capabilities with dual degree programs

The increasing pace of technological innovation, the need for more complex planning and leadership initiatives, and the pressure of global competition demand knowledge that goes beyond any single career discipline. UMUC’s dual degree graduate programs give you the opportunity to gain extensive knowledge in your own field while strengthening your educational credentials in a complementary discipline. With a dual degree program, you earn two degrees in much less time than it would take to earn each one separately. An increased number of dual degree programs—requiring just 18 credits more than a single degree—are now available and listed by discipline on the following pages. These programs are designed to help accelerate your progress and help make you even more qualified for the career and position you want.

Achieve more with support that helps you move ahead

• **Academic advising.** Skilled graduate advisors can help you select the courses you need to earn your degree efficiently.

• **Financial aid and payment plan option.** Highly trained financial aid specialists help you explore a variety of grants, scholarships, work-study programs, and loans to help meet your financial needs if you qualify. A monthly interest-free payment plan, administered by Sallie Mae, is also available.

• **Library services.** Comprehensive library resources are available online and onsite to give you the information you need—plus, you’ll have access to a librarian via live online chat or e-mail, all day, every day.

• **24-hour tech support.** Staff members are standing by to assist you with any technical problems or questions you have related to online study.

• **Writing assistance.** Hone your writing skills online with the Effective Writing Center or enroll in COMM 600 Academic Writing for Graduate Students.

• **Career services.** UMUC’s Career Services provides free career counseling and online job search resources to students and alumni.

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MORE UMUC FAST FACTS

• UMUC is the largest public university in the United States.

• UMUC has students in 50 states and in more than 25 countries and territories.

• Many students qualify for some form of financial assistance. Last year, more than $300 million in financial aid was awarded to undergraduate and graduate students.

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More information about certificates, including gainful employment disclosures, is available at www.umuc.edu/gradcertificates.

The DM in community college policy and administration is not available to Maryland residents.
Competition in business is fierce. The Internet, video conferencing, Web portals, and other technologies have helped businesses forge new international partnerships and reach more customers worldwide.

UMUC’s business and management programs will help you learn the fundamentals of business and develop highly practical skills for your current job or chosen business discipline. UMUC’s popular MBA dual degree options also give you the ability to advance faster with enhanced career skills. In March 2009, the Maryland Distance Learning Association (MDLA) named UMUC’s online MBA program Distance Program of the Year. In 2010, the Instructional Technology Council recognized UMUC’s online MBA program as the Outstanding eLearning Program. In 2011, UMUC’s MBA program received the Best Practices in Distance Learning Programming—Silver award from the United States Distance Learning Association—the first nonprofit association in the country to support distance learning research and development.

Master of Business Administration

Every business needs managers who have a combination of knowledge, experience, and skills, allowing them to blend leadership with change management and foster new approaches to measuring the economic performance of their organization. As a working adult, you may already have business experience; the MBA can help provide you with the knowledge and skills needed to move ahead and be recognized in the corporate world.

Designed for business professionals, the MBA will help you develop the key managerial competencies—critical thinking, systems thinking, team building, decision making, and ethical leadership—necessary to manage enterprises in global markets and be ready to take on a higher leadership position. MBA sessions can be completed in 10 weeks, allowing you to earn your MBA in 24 months. And as long as you are continuously enrolled in the program, your tuition will stay the same, so you save time and money.

For those who wish to focus on emerging economies and study abroad, UMUC offers a global business option. E-mail mba@umuc.edu for details on requirements and travel fees.

Master of Business Administration—One-Year Program

The one-year MBA is an accelerated program offered to working professionals with proven academic achievement. It provides the same award-winning UMUC MBA curriculum as the standard two-year program in a challenging concentrated format. The program consists of eight core content courses and three business practicums in which you apply your learning to your own organization. Each content course is guided by two faculty members to provide individualized attention and mentoring.

Master of International Management

Profitable organizations keep an eye on their competitors. Companies must assess other businesses around the world to understand and keep up with business trends. UMUC’s Master
of International Management is designed to provide midlevel professionals with a working knowledge of transnational business operations and core management skills and an understanding of the global business environment. As you learn to assess the competition, formulate market entry strategies, build marketing and business plans, and manage country and global business risks, you can be prepared to take on increased responsibility in international operations.

Four specializations are available—international emergency management, international enterprise management, international financial management, and international marketing management.

Master of Science in Management

All organizations need qualified managers to lead them to success. Employers in critical fields like acquisition and supply chain management, homeland security management, and project management look for people who thrive under pressure and can adapt to major changes.

UMUC’s Master of Science (MS) in management is designed for experienced professionals looking to move into positions of leadership. The program helps you develop planning, budgeting, and communications skills; apply business techniques to real company projects; and cultivate skills that are applicable to an upper-level management career in almost any private- or public-sector field. To learn more about the 15 career-relevant specializations available, go to www.umuc.edu/msm.
ACCOUNTING AND FINANCE

Become an indispensable resource in today’s growing industries

It’s no surprise that so many business leaders have a background in accounting and finance. It is a discipline that can provide an in-depth understanding of the inner workings of business, especially today, when more is expected of accounting and financial professionals than ever before. Combining study of both accounting and financial management—or either with a background in information systems—can help you gain a competitive edge in the job market. These master’s degrees and certificates help prepare you for a range of careers in diverse industries, and all of the programs provide real company projects and knowledge to help you become indispensable and a leader in your field.

Master of Science in Accounting and Financial Management

No business could survive without careful financial management. Business professionals who have specialized accounting skills and can effectively manage an organization’s financial operations will always be highly valued. Develop your financial and accounting abilities to become an organization’s financial leader.

UMUC’s MS in accounting and financial management emphasizes the financial accounting reporting process and its effect on financial markets. The curriculum covers concepts of financial accounting, management accounting, taxation, long-term financial management, investments, and much more. The program can help you assume a position of greater responsibility within the accounting and financial operations of an organization.

Master of Science in Accounting and Information Systems

Modern organizations want employees who are skilled in multiple areas. The more capabilities you acquire, the more chances you have to move ahead of others around you. People like you who are interested in building an accounting career can simultaneously gain knowledge and a new skill set in information systems. UMUC’s MS in accounting and information systems is designed to help accountants who are increasingly called upon to work with information systems (IS) developers on applications. With this degree, you will have a thorough IS background that will help you work quickly and effectively with experts to improve business applications. These IS skills—together with an accounting background that includes an understanding of fraud detection and ethics, management accounting methodology, and auditing standards—will help make you a top-notch accountant ready for a career with multiple roles and responsibilities.
Master of Science in Financial Management and Information Systems

Data management systems are increasingly crucial to day-to-day corporate activities. Managers must have an understanding of these complex systems that affect financial processes. You can build skill sets in financial management and information systems that will help you establish a career in either field. UMUC’s MS in financial management and information systems covers financial competencies like valuation techniques and cost management, while focusing on database design, acquisition, project management, and risk and security management. Your specialized skills in both fields will help prepare you to play a leading advisory role in integrating and using information systems to create value within your organization.

DUAL DEGREE PROGRAMS

In most cases, either degree in a dual degree combination may be taken first, but degree requirements will differ significantly depending on which degree is taken first. Students must complete all requirements for the first degree before beginning the second one.

- Master of Science in accounting and financial management/
  Master of Science in accounting and information systems
- Master of Science in accounting and financial management/
  Master of Science in financial management and information systems
- Master of Science in financial management and information systems/
  Master of Business Administration

DEGREES

Master of Science in accounting and financial management
Master of Science in accounting and information systems
Master of Science in financial management and information systems

CERTIFICATES

Accounting
Accounting and Information Systems
Financial Management in Organizations

More information about certificates, including gainful employment disclosures, is available at www.umuc.edu/gradcertificates.
Design your future in a dynamic, rewarding field

No other field has had an impact on world business and industry quite like technology. Growing concern for the environment and continuous developments within information technology affect nearly all businesses. Managing these businesses, as well as the increasing threats to our cybersecurity, requires a specialized education.

UMUC’s science and technology programs are designed to help professionals master scientific and technical topics and take on advanced managerial roles. Both master’s degree and certificate programs are offered, so you can find the one that best suits your career goals. The MS in environmental management and the MS in biotechnology were each honored by the University Continuing Education Association (UCEA) as a Best Developed Program for 2005 and 2006, respectively, for establishing new and innovative programs utilizing one or more forms of instruction at a distance. Both these programs and three specializations in the MS in information technology (information assurance, software engineering, and telecommunications management) are recognized as Professional Science Master’s by the Council of Graduate Schools.

Master of Science in Biotechnology
Graduates of this program will have an in-depth understanding of the management of either biotechnology, bioinformatics, or biodefense and biosecurity. UMUC’s MS in biotechnology is available to students with any educational background, but requires one college-level molecular biology course for admission to the program. You will review the technologies currently in use and explore management and policy issues. There are three specializations offered to make the degree even more relevant to your career objectives: bioinformatics, biosecurity and biodefense, and biotechnology management. Through company projects and symposiums by guest speakers in the field, this program can help you prepare for a biotechnology career in the public or private sector.

Master of Science in Cybersecurity
Our physical world is increasingly supported by a cyberspace infrastructure that is vulnerable to threats from many outside sources. UMUC’s MS in cybersecurity helps provide practitioners with the framework and knowledge to protect an organization’s cyber assets. The program focuses on prevention, detection, countering, and recovery from cyber incidents. The degree is designed for midcareer professionals who wish to help meet the challenges posed by increasing cyber threats. Using a multidisciplinary approach, you will learn about technical tools and organizational practices such as training, access control, evidence collection, disaster recovery, and business continuity planning.

Master of Science in Cybersecurity Policy
Our cyber infrastructure is vulnerable to threats from cyber thieves, cyber terrorists, and hackers. The cybersecurity policy program examines strategies for societal responses to cybersecurity threats at the enterprise, national, and global levels. The roles of government, interorganizational alliances, and international cooperatives are explored, as are legal concepts such as privacy, intellectual property, and civil liberties. UMUC's MS in cybersecurity policy is designed for midcareer professionals who are looking for a multidisciplinary approach for evaluating and solving cybersecurity problems.

Master of Science in Digital Forensics and Cyber Investigation
This new cybersecurity-related degree is designed for midcareer professionals who want to focus on the challenges of uncovering digital evidence for the detection and prosecution of cyber crimes. The program uses a multidisciplinary approach to provide a broad analytical framework for collecting information that shows a computer system has been attacked or compromised, preserving the evidence, and presenting it in a manner admissible in a court of law.

Master of Science in Environmental Management
Global environmental issues have created an increasing need for managers who have the skills, knowledge, and competencies to function effectively in multiple environmental and energy management settings. UMUC's MS in environmental management will help you develop the tools needed to assume higher responsibilities in environmental projects, communicate with stakeholders, and explore energy and environmental policy, audits, and risk assessments.
The program will also help to equip you with the management skills and environmental background necessary to become an upper-level environmental manager for the government or in private industries.

Master of Science in Information Technology

For individuals with an academic background in engineering, physical science, computer science, or math who also have professional IT experience, this degree program offers a choice of seven areas of specialization that allows them to focus on the aspects of IT that are most relevant to their career objectives. The specializations include database systems technology, homeland security management, informatics, information assurance, project management, software engineering, and telecommunications management. For more detailed information about these specializations, go to www.umuc.edu/msit.

Master of Science in Technology Management

Technology managers lead decision making and leverage technology for deployment in their companies. UMUC's MS in technology management is designed for management professionals and project managers seeking work in operations, engineering, research, sales, or marketing. Courses focus on technologies that enhance business capabilities and help provide you with an understanding of business and management techniques, offering you the foundation for a career as a technology manager in a variety of exciting fields. The program also lets you select an area of specialization that is most relevant to your own career objectives, including emergency management, homeland security management, information systems and services, and project management.

DUAL DEGREE PROGRAMS

 Unless otherwise noted, either degree in a dual degree combination may be taken first, but degree requirements will differ significantly depending on which degree is taken first. Students must complete all requirements for the first degree before beginning the second one.

- Master of Science in biotechnology/Master of Business Administration
- Master of Science in cybersecurity/Master of Business Administration (MS in cybersecurity must be taken first)
- Master of Science in cybersecurity policy/Master of Business Administration
- Master of Science in digital forensics and cyber investigation/Master of Business Administration (MS in digital forensics and cyber investigation must be taken first)
- Master of Science in environmental management/Master of Business Administration
- Master of Science in information technology/Master of Business Administration
- Master of Science in information technology/Master of Science in cybersecurity policy (MS in information technology must be taken first)
- Master of Science in technology management/Master of Business Administration
- Master of Science in technology management/Master of Distance Education and E-Learning

CERTIFICATES

Bioinformatics
Biosecurity and Biodefense
Biotechnology Management
Chief Information Officer (Executive Program)
Cybersecurity Policy
Cybersecurity Technology
Database Systems Technology
Emergency Management
Environmental Management
Foundations of Cybersecurity
Foundations of Information Technology
Homeland Security Management
Informatics
Information Assurance
Project Management
Software Engineering
Systems Analysis
Telecommunications Management

* More information about certificates, including gainful employment disclosures, is available at www.umuc.edu/gradcertificates.
* Pending approval.
Leave your mark on the world as an education professional

Advances in technology have changed the field of education as much as any other field. No longer can teachers rely simply on a blackboard and textbook to get their lessons across. And increasingly, teachers may be responsible for teaching students very far from the traditional classroom.

UMUC's Master of Arts in Teaching is geared toward students who wish to earn certification in a specific secondary content discipline, including earth/space science, physics, English, foreign languages (Spanish, French, German, Chinese, Japanese, Russian, Italian, and Arabic), mathematics, history, social studies, chemistry, biology, and computer science. Reading courses are also available to meet the state's requirements. The Master of Education in instructional technology is designed to help current pre-K–12 teachers, staff developers, administrators, and other professional educators integrate technology into their teaching, learning, and leadership. The Master of Distance Education and E-Learning focuses on managing the delivery of education and training using information and communication technologies in educational institutions, government, and corporations.

Master of Arts in Teaching
Looking to make a mark on the future? The need for qualified teachers—in Maryland and many other states—is still growing, especially in such high-demand areas as mathematics, science, and bilingual education. UMUC's Master of Arts in Teaching (MAT) focuses on producing teacher candidates who can demonstrate research-based and practice-validated strategies for teaching and learning.

The program will help prepare you to teach a diverse student body, assess individual student strengths and needs, analyze your own effectiveness as a teacher, design activities and locate resources that maximize learning, and integrate technology into the classroom. Successful completion of the program leads to eligibility for Maryland teaching certification in 17 different areas of secondary education, including the major sciences, math, English, history, social studies, and eight foreign languages. Maryland teaching certificates may also be recognized in other states. An overview of existing interstate agreements is available at www.nasdtec.org/agreement.php.

Master of Distance Education and E-Learning
Given that distance education and e-learning have expanded rapidly in both public and private education, as well as in training sectors, there is a global demand for people capable of managing the distance education enterprise. Management and technical expertise could help you find a career in this new era of education. UMUC's Master of Distance Education and E-Learning helps provide students with the skills to manage distance education delivery formats within educational, business, government, and nonprofit organizations. The three areas of specialization within the distance education field focus on policy and management, teaching and training, and technology. The program has been granted CEL (teChnology-Enhanced Learn-ing) accreditation from the European Foundation for Management Development (EFMD). The program has also been honored with a UCEA award for Program of Excellence within the Distance Education Community of Practice, and the Sloan Consortium award for Most Outstanding Online Teaching and Learning Program.
The Master of Distance Education and E-Learning program is offered in partnership with Carl von Ossietzky University of Oldenburg, a leading German institution with extensive experience in distance education.

Master of Education in Instructional Technology

Increasingly, certified teachers, staff development specialists, administrators, and other pre-K–12 education professionals must know how to integrate a wide variety of technologies to best meet students’ individual and curricular learning needs, connect with tech-savvy students, and prepare them for a rapidly changing and interconnected world. The Master of Education (MEd) in instructional technology focuses on integrating technology in the pre-K–12 schools to strengthen and transform teaching, learning, and leadership. The program provides the knowledge and skills needed to help you incorporate technology effectively into pre-K–12 curricula, instruction, and assessment; become well-versed in current and emerging instructional technologies; gain a broad understanding of the role of technology in the contemporary school; and lead change at the classroom, school, and district levels. It is designed to help you enhance your current skills so you can assume greater responsibilities in education.

Reading Courses for Elementary and Secondary Education

Reading is a fundamental skill that will help students achieve greater success in all other areas of education and in life. UMUC can help you teach reading. Four elementary courses and two secondary reading courses provide a thorough foundation in theories, processes, and acquisition of reading skills that you will need to teach students. All of the reading courses have been approved by the Maryland State Department of Education to meet the state’s reading requirements for certification and recertification.

DUAL DEGREE PROGRAMS

Unless otherwise noted, either degree in a dual degree combination may be taken first, but degree requirements will differ significantly depending on which degree is taken first. Students must complete all requirements for the first degree before beginning the second one.

- Master of Arts in Teaching/
  Master of Education in instructional technology
  (MAT must be taken first)
- Master of Distance Education and E-Learning/
  Master of Business Administration
- Master of Distance Education and E-Learning/
  Master of Science in management
- Master of Distance Education and E-Learning/
  Master of Science in technology management
- Master of Education in instructional technology/
  Master of Distance Education and E-Learning

DEGREES AND SPECIALIZATIONS

- Master of Arts in Teaching*
- Master of Distance Education and E-Learning
  - Distance education policy and management
  - Distance education teaching and training
  - Distance education technology
- Master of Education in instructional technology

NONDEGREE TEACHER EDUCATION COURSES

- Teacher Education Reading Strand
- Reading Courses in Elementary and Secondary Education

CERTIFICATES*

- Distance Education, Globalization, and Development
- Distance Education Leadership
- Foundations of Distance Education and E-Learning
- Instructional Design for E-Learning*
- Instructional Technology Integration
- Library and Intellectual Property in Distance Education and E-Learning
- Policy and Management in Distance Education and E-Learning
- Teaching and Training at a Distance
- Technology in Distance Education and E-Learning

www.umuc.edu/moveforward

* Requires on-site teaching practicum and leads to eligibility for Maryland teacher certification.
* More information about certificates, including gainful employment disclosures, is available at www.umuc.edu/gradcertificates.
* Joint program with University of Maryland, Baltimore County.
DOCTORAL AND EXECUTIVE PROGRAMS

Lead the way to success in your organization

The seasoned executive with significant management experience has different needs in a graduate program. For those who already possess an advanced degree, UMUC’s doctoral programs—the Doctor of Management and the specialized Doctor of Management in community college policy and administration—offer the advanced theoretical and practical knowledge and leadership skills needed to help you advance in today’s competitive global marketplace.

For professionals who do not hold an advanced business degree, UMUC offers a chief information officer executive certificate program that incorporates comprehensive leadership and management coaching. And there is also a special certificate in intellectual property, digitization, and digital media that explores emerging issues and opportunities within the intellectual property field.

Doctor of Management

In a nationwide survey of 32,000 doctoral students—conducted by the Woodrow Wilson National Fellowship Foundation—one recurring complaint was that the many different programs provided “little practical training for nonacademic careers.” Like all UMUC degree programs, the university’s innovative Doctor of Management degree directly addresses this concern, combining theory with practice and carefully structuring every course to respond to the demands of the 21st-century workforce.

Designed with today’s top leadership candidates in mind, UMUC’s Doctor of Management program offers the theoretical and practical instruction needed to advance to the highest levels of executive leadership in corporate, nonprofit, higher education, and government settings.

The program will help you develop a nuanced and in-depth understanding of the history of management and the structure and function of organizations. You will explore strategic issues faced by public- and private-sector leaders as they confront accelerating social, economic, and technological change, and also study global organizations, addressing issues of trade, the political and legal ramifications of decision making in multinational environments, and the impact of cultural differences on the management of transnational firms.

Doctor of Management in Community College Policy and Administration

UMUC offers a Doctor of Management (DM) in community college policy and administration for seasoned managers already working
in community colleges and other institutions of higher learning. This program will help you advance your career and qualify you for the emerging leadership opportunities that only a doctoral-level credential can provide. Designed for busy working adults, the interactive DM program offers flexibility and convenience. The streamlined curriculum emphasizes the acquisition of advanced theoretical knowledge and the practical application of concepts that address the real-world challenges facing today’s community colleges. The Doctor of Management in community college policy and administration is not available to Maryland residents.

Executive Program for the Chief Information Officer (CIO) Certificate

This certificate program encompasses all competencies cited in the Information Technology Management and Reform Act (Clinger-Cohen) and identified by the federal CIO council. Offered online and including executive coaching, it covers all areas of management associated with the design, development, acquisition, implementation, planning, and maintenance of an organization’s information technology structure. All credits from the executive certificate for CIOs can be applied to a Master of Science degree in technology management or information technology.

Intellectual Property, Digitization, and Digital Media Certificate

This postbaccalaureate certificate covers the legal, technical, and business fundamentals of intellectual property (IP) management relating to mass digitization, publication, and distribution of IP content in the digital environment. The curriculum is designed to enhance your IP management skillset and help you gain a competitive edge in the growing number of IP-intensive occupations. The certificate is offered in partnership with UMUC’s Center for Intellectual Property (CIP), a pioneer in intellectual property management education and research.

More information about certificates, including gainful employment disclosures, is available at www.umuc.edu/gradcertificates.

* Requires residencies.
HEALTH ADMINISTRATION

Make a difference in the health care system

According to the U.S. Department of Labor’s Bureau of Labor Statistics, half of the 20 fastest growing occupations are related to health care. By 2018, health care is expected to generate nearly two million new jobs—more than any other industry. For those involved in the administration of these services, the future holds many challenges: the integration of health care delivery systems, technological innovations, an increasingly complex regulatory environment, restructuring of work, and an increased focus on preventive care.

To help health care professionals meet those needs, UMUC provides Master of Science degree programs in both health care administration and health administration informatics, the latter focusing on the information management needs of the health care industry.

Master of Science in Health Administration Informatics

The health administration field has changed dramatically thanks to information technology (IT). Information systems are used to improve health care operations and to organize data, including patient records, prescriptions, and insurance information. If you want to pursue a career that involves health administration and the information systems that keep its operations running smoothly, this is the right degree for you.

UMUC’s MS in health administration informatics focuses on the health care system, legal issues, and institutional organization while also providing an IT curriculum, including computer systems management and risk assessment. The program will help qualify you to pursue consultative, vendor, and insurance provider positions in a variety of health care or IT areas, including hospital primary care, long-term care, and integrated health care delivery systems.

Master of Science in Health Care Administration

The health care system continually adapts to keep up with advances in medicine, and individuals already working in health care administration need to stay ahead of these changes. As a professional with experience in health care education or administration, you can increase your knowledge with an advanced degree.

UMUC’s MS in health care administration explores health care services and programs, with an emphasis on the U.S. health care system. The program will help enhance your abilities in information technology, financial management, legal issues, and health care administration management, so you can graduate with a deeper understanding of this evolving field and become ready to assume greater responsibilities.

(degrees)

Master of Science in health administration informatics
Master of Science in health care administration

CERTIFICATES*

Health Administration Informatics*
Health Care Administration

DUAL DEGREE PROGRAM

Master of Science in health care administration/ Master of Business Administration

* Pending approval.


More information about certificates, including gainful employment disclosures, is available at www.umuc.edu/gradcertificates.
# Career Paths for Each Graduate Program
This chart will help you select the program you need to reach your goals. There’s one that’s right for you!

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Master of Arts in Teaching</strong></td>
<td>Prepare for a career as a secondary school teacher, licensed in the state of Maryland and in other states that have reciprocity.</td>
</tr>
<tr>
<td><strong>Master of Business Administration</strong></td>
<td>Prepare for a managerial or other leadership role in a business, corporation, government agency, or nonprofit organization. Prepare for a career in various areas of business management, including consulting, procurement, marketing, e-business, international business, customer service, finance, health care administration, and strategic planning.</td>
</tr>
<tr>
<td><strong>Master of Distance Education and e-Learning</strong></td>
<td>Prepare for a career as an online coordinator, distance learning director, e-learning consultant, distance learning trainer, online faculty support specialist, or specialist in distance education technology. Help you become an online teacher, tutor, trainer, manager, online instruction coordinator, resource manager, program evaluator, or subject matter expert in teaching and training at a distance.</td>
</tr>
<tr>
<td><strong>Master of Education in Instructional Technology</strong></td>
<td>Continue a career as a teacher in a public pre-K–12 school or as a tutor for elementary and secondary students. Help you become a teacher leader in your school, e.g., as a member of a technology planning, policy, or curriculum committee or as a grant writer. Assume a new leadership position, such as staff or curriculum developer or technology specialist, at the school or district level. Teach at a virtual school or develop multimedia materials for education and training.</td>
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<tr>
<td><strong>Master of International Management</strong></td>
<td>Prepare to serve in a management or senior-level role in a global business enterprise, corporation, government agency, or nonprofit organization. Prepare for a career in global trade operations in a state, government, or international governmental organization; in a nonprofit organization; or in a private-sector corporation.</td>
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<tr>
<td><strong>Master of Science in Accounting and Financial Management</strong></td>
<td>Prepare for an upper-level leadership role as a chief financial officer or a career as a public accountant, auditor, management analyst, fraud examiner, or financial manager in a private or public organization.</td>
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<tr>
<td><strong>Master of Science in Accounting and Information Systems</strong></td>
<td>Prepare for an upper-level role such as that of a chief financial officer or chief technology officer. Prepare for a career as a public accountant, auditor, management analyst, fraud examiner, accounting systems analyst, or systems analyst specializing in a financial or accounting field.</td>
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<tr>
<td><strong>Master of Science in Biotechnology</strong></td>
<td>Prepare to work as a lab supervisor, project manager, instructor, regulatory affairs officer, sales representative, or bioethicist in biotechnology management. Prepare for a career as a bioinformatics analyst, bioinformatics specialist, computational biologist, biological database specialist, or instructor in bioinformatics. Help you become a biodefense policy writer or research scientist.</td>
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<tr>
<td><strong>Master of Science in Cybersecurity</strong></td>
<td>Prepare for a career in a wide range of businesses and industries as chief security officer, cybersecurity manager or administrator, cybersecurity architect, cybersecurity operations analyst, cybersecurity engineer, secure software assurance engineer, or cyber operations planner.</td>
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<tr>
<td><strong>Master of Science in Cybersecurity Policy</strong></td>
<td>Prepare for a management or leadership position in public or private industry as a cyber policy analyst, cyber intelligence analyst, government cybersecurity manager, or legislative aide.</td>
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</table>
**MASTER OF SCIENCE IN DIGITAL FORENSICS AND CYBER INVESTIGATION**
Prepare for a career as a computer forensic specialist or computer forensic examiner (CFE), working with law enforcement, government security agencies, and corporate security departments.

**MASTER OF SCIENCE IN ENVIRONMENTAL MANAGEMENT**
Prepare for a career as an environmental manager, project specialist, project manager, industrial compliance manager, environmental auditor, or health and safety manager.

**MASTER OF SCIENCE IN FINANCIAL MANAGEMENT AND INFORMATION SYSTEMS**
Prepare for a senior-level position, such as chief financial officer or chief information officer. Prepare for a career as a financial manager, technology manager, project manager, or information technology specialist in a financial area of a business or government agency.

**MASTER OF SCIENCE IN HEALTH ADMINISTRATION INFORMATICS**
Prepare for a career as a health administration informatics consultant. Learn to develop and integrate health administration informatics and delivery systems in a hospital or a long- or short-term care facility.

**MASTER OF SCIENCE IN HEALTH CARE ADMINISTRATION**
Prepare for a midlevel managerial role in a health care organization or enterprise.

**MASTER OF SCIENCE IN INFORMATION TECHNOLOGY**
Prepare to become a project manager in the IT field, telecommunication systems developer, network security manager, or information systems developer/designer. Prepare for work as a software engineer, database systems technology manager, chief information officer, IT manager, information security officer, IT emergency planner, policymaker, or network administrator for businesses and government agencies.

**MASTER OF SCIENCE IN MANAGEMENT**
Prepare for a career in a wide range of management specializations, such as accounting, advertising, marketing, communications, sales, human resources, health care services, financial services, security, technology, criminal justice, public service, and many more. Learn skills to become an executive; specialist; officer; director; board member; manager; labor relations manager; HR director; recruitment manager; security manager; intelligence analyst supervisor; court/legal-related practitioner; juvenile corrections manager; parole and probation supervisor; border patrol supervisor; or administrator of almost any type of public or private business or industry, government agency, or nonprofit organization.

**MASTER OF SCIENCE IN TECHNOLOGY MANAGEMENT**
Prepare to become a chief information officer, plant manager, security officer, military planner, policymaker, or law enforcement officer in homeland security. Work as a systems or business analyst, systems development manager, Web site designer, e-marketing specialist, or e-security expert. Prepare for a career as a project manager; technical director; or specialist in aerospace, construction, information technology, government contracting, distance education, or in one of many other public- and private-sector organizations.

**EXECUTIVE CERTIFICATE PROGRAM—CHIEF INFORMATION OFFICER**
Develop the competencies needed to manage the design, development, acquisition, implementation, planning, and maintenance of an organization’s information technology structure.

**SPECIAL CERTIFICATE PROGRAM—INTELLECTUAL PROPERTY, DIGITIZATION, AND DIGITAL MEDIA**
Develop the competencies needed to manage the strategic planning, development, and implementation of an organization’s IP-related work strategy and policies.

*More information about certificates, including gainful employment disclosures, is available at www.umuc.edu/gradcertificates.*
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JAMES POTTER
UMUC graduate student in the MBA/
Master of Science in environmental management
dual degree program

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