



Professional Science Master's Programs:

INTERNSHIP COMPONENT

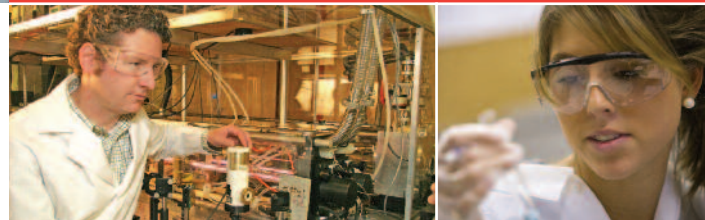
Central to the PSM degree is real-world experience in paid internships with industry, government or non-profit partners. In addition to the internships—which span a minimum of 350 hours over three to six months—students are required to participate in a simultaneous one-credit reflective seminar, allowing them to learn from classmates' experiences. The seminar may be conducted online, on campus or in a blended mode and will include written and oral presentations.

FACULTY EXPERTISE AND PSM PARTICIPATION

UMass faculty are outstanding researchers and scholars who bring real-world experience to the classroom. PSM program faculty engage in collaborative research efforts across disciplines and focus on applying scientific principles to develop technologies within life and health sciences and environmental sectors.

For general information about Professional Science Master's Programs, please contact Susan Lawton, PSM Planning Coordinator, at (978) 934-2299 or psm@uml.edu.

www.uml.edu/PSM



Two-year graduate degrees offered in Biology, Clinical Lab Sciences, Marine Sciences, Mathematical Sciences, Physics and Work Environment



Professional Science Master's

PROFESSIONAL SCIENCE MASTER'S PROGRAMS

The innovative, two-year Professional Science Master's (PSM) graduate degree programs are developed in concert with industry partners and are designed to enhance your career opportunities. The PSM degree options augment core science curricula with business courses. Additionally, you put your skills and knowledge into practice during the required internship component of the program. PSMs:

- Emphasize interdisciplinary science education and critical written and verbal communication skills, leadership and team building;
- Include project or team experience as opposed to a thesis;
- Provide students with the academic and professional skills to effectively bridge science and business;
- Provide connections to potential employers through internships;
- Can accommodate working professionals.

BUSINESS AND COMMUNICATION COURSES—PLUS COMPONENT:

Each of the five UMass campuses carries out the PSM program in ways that are consistent with its own academic strengths. Science courses are offered on each campus and, whenever feasible, business and communication courses are offered via online delivery. Course sharing is enabled through the award-winning UMass Online program.

The PLUS component coursework includes: training in business fundamentals, project management, technology transfer, entrepreneurship, leadership and ethics.

EMPLOYER ADVISORY BOARD

Through the Employer Advisory Board, senior industry leaders provide active guidance to the UMass PSM programs. Industry leaders participate in planning curricula responsive to industry needs, and arranging internships that are mutually beneficial to students and employers.

Several regional business and government entities are in support of the UMass PSM programs and pledge continued involvement in program development, including: Boston Scientific Corp.; GeoMed Analytical; Genzyme Corp.; Waters Corp.; Millipore Corp.; the Massachusetts Division of Marine Fisheries and the Massachusetts Biotechnology Council.



LOWELL CAMPUS PSM OFFERINGS

Department of Biological Sciences

MS Biology

- Applied Biotechnology
- Biosafety
- Environmental Biotechnology
- Project Management in Life Sciences

For detailed graduate program information, please contact Jerome Hojnacki at (978) 934-2370 or Jerome_Hojnacki@uml.edu.

Biomedical Engineering and Biotechnology

MS Biomedical Engineering and Biotechnology

For detailed graduate program information, please email bmebt@uml.edu.

Department of Clinical Laboratory and Nutritional Sciences

MS Clinical Lab Sciences

For detailed graduate program information, please contact Eugene Rogers at (978) 934-4478 or Eugene_Rogers@uml.edu.

Department of Mathematical Sciences

MS Mathematical Sciences

- Industrial Math

For detailed graduate program information, please contact Kenneth Levasseur at (978) 934-2414 or Kenneth_Levasseur@uml.edu.

School of Marine Sciences

MS Marine Sciences

- Coastal and Ocean Administration, Science and Technology

For detailed graduate program information, please contact Robert Gamache at (978) 934-3904 or Robert_Gamache@uml.edu.

Department of Physics

MS Physic

- Radiological Protection

For detailed graduate program information, please contact Clayton French at (978) 934-3286 or Clayton_French@uml.edu.

Department of Work Environment

MS Work Environment

- Cleaner Production/Pollution Prevention
- Environmental Epidemiology
- Ergonomics and Safety
- Occupational, Environmental Hygiene

For detailed graduate program information, please contact David Kriebel at (978) 934-3270 or David_Kriebel@uml.edu.

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