

University of Massachusetts Lowell

Energy and Environmental Sustainability Program Offerings

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University of Massachusetts

Amherst · Boston · Dartmouth · Lowell · Worcester

Green Career Conference

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School of Health and Environment

Community Health and Sustainability

- BS Community Health
- BS Environmental Health
- MS Health Management and Policy



Work Environment MS/ScD/Professional Science Master's option

- Cleaner Production/Pollution Prevention
- Occupational and Environmental Hygiene
- Occupational Ergonomics and Safety
- Epidemiology
- Work Environment Policy (MS, ScD only)



Clinical Lab and Nutritional Sciences MS/PSM

Nursing BS/MS/PhD

College of Arts and Sciences

Biological Sciences BS/MS/Professional Science Master's

- Applied Biotechnology
- Biosafety
- Ecology (BS)
- Environmental Biotechnology

Chemistry BS/MS/PhD/future PSM

Environmental, Earth and Atmospheric Sciences

Mathematical Sciences BS/MS/PSM

- Industrial Mathematics, Biostatistics Cluster

Physics BS/MS/PhD/PSM

- Radiological Sciences and Protection



School of Marine Sciences

Intercampus

MS/PhD/Professional Science Master's



- Coastal and Ocean Administration (PSM)
- Marine & Atmospheric System Modeling and Analysis
- Coastal Systems Science
- Integrated Coastal Management
- Living Marine Resources Science and Management
- Marine Biogeochemical Cycles & Environmental Change
- Marine Observation Technologies
- Ocean and Human Health

College of Engineering

BS/MS/PhD/D.Eng

Chemical (Biological; Nanomaterials; Nuclear Energy);

Civil and Environmental (Environmental; Geotechnical);

Electrical and Computer;

Mechanical (Materials; Solar Energy);

Plastic (Recycling; Biomaterials)

co-op program;
service learning

cutting edge
faculty-led research

hands-on, practice-
oriented education

Biomedical Engineering and Biotechnology

Intercampus

Interdisciplinary

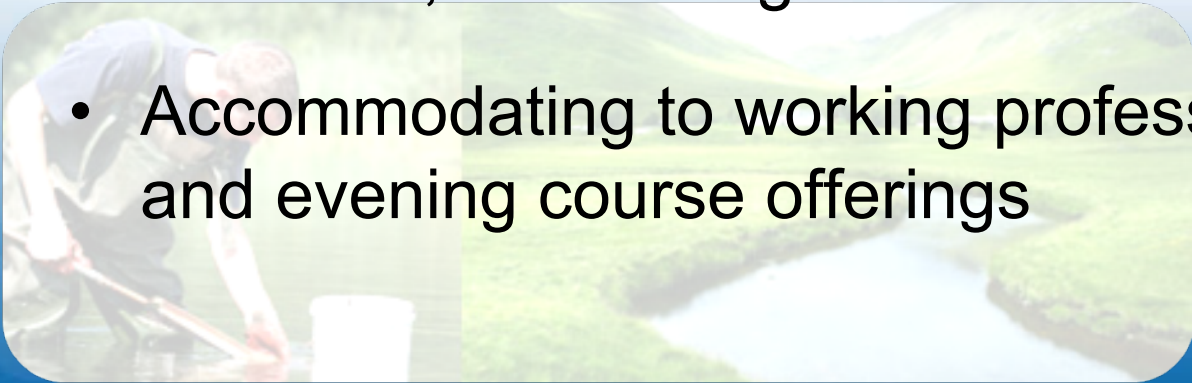
MS/PhD/PSM

▪ biomaterials ▪ medical imaging ▪ bioprocessing

Professional Science Master's

Preparation for a wide range of Environmental, Health and Life Science Careers

- Academic and professional skills to effectively bridge science and business
 - Written and verbal communication skills
 - Leadership and team building
 - Non-thesis, project experience
- Employer connections through internships, industry seminars, networking activities
- Accommodating to working professionals – online and evening course offerings



Graduate Certificates

- Focused information to supplement skill set
- Apply credit toward master's degree
- 12 – 15 credits

Clinical Pathology

Environmental Biotechnology

Health Informatics

Health Management

Sustainable Infrastructure Dev. Nations

Health Policy

Public Health Lab Science

Renewable Energy Engineering

Sustainable Polymeric Matls

Promoting Health and Sustainable Development

Centers and Institutes

internships
project centered;
service learning

career
preparation
and
advancement

interdisciplinary
education
BS/MS/PhD/PSM

internationally
and nationally
recognized
faculty

Advanced Electronics Technology Center

Biodegradable Polymer Research Center

Center for Atmospheric Research

Center for Complex Environmental Systems

Center for Electric Car and Energy Conversion

Center for Family, Work and Community

Center for Health and Disease Research

Center for Health Promotion and Research

Center for Sustainable Energy

Center for Women & Work

Center for the Promotion Health in the New England Workplace

Lowell Center for Sustainable Production

Massachusetts BioManufacturing Center

Radiation Laboratory

Toxics Use Reduction Institute

UMass Lowell Nanomanufacturing Center

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