Environmental Management (MS)

This program is offered by the College of Arts & Sciences.

Program Description

The master of sciences (MS) in environmental management program is designed to provide students with the tools and techniques to navigate the business aspects of environmental management. Students learn to assess and convey the business, ethical, and legal information to those who make or are affected by the decisions that shape our natural resources and environment.

This program is offered online and at select campuses in the United States. Please see the Campus Locations section of this catalog for a list of campuses where this program is offered.

Learning Outcomes

Upon completion of the program, students will be able to:

- Apply key terminology, facts, concepts, principles, historical perspectives and theories concerning environmental management and global sustainability toward solving environmental challenges.
- Align sustainability initiatives with organization mission and core values.
- Manage environmental-related risk from an organization’s operation.
- Identify environmental hazards affecting air, water and soil quality.
- Assess environmental-related risk.
- Develop controls to reduce or eliminate risk.
- Employ project management processes and analytical tools to achieve a sustainable outcome to environmental problems.
- Conduct environmental research and communicate risk from an organization’s operations.
- Research scientific, engineering, economic, and congressional information for statutory, regulatory, and sustainable approaches to environmental problems.
- Prepare technical papers/briefings to communicate risk/solutions to stakeholders.

Program Curriculum

Required Courses

The 36 credit hours required for the MS in environmental management or the 54 credit hours required for the master of business administration (MBA) with an emphasis in environmental management must include the following courses:

- ENMG 5000 Environmental Science (3 hours)
- BUSN 6110 Operations and Project Management (3 hours)
- ENMG 5100 Environmental Law (3 hours)
- ENMG 5200 Environmental Regulations and Compliance Auditing (3 hours)
- ENMG 5300 Environmental Accounting (3 hours)
- ENMG 6100 Management of Land and Water Resources (3 hours)
- ENMG 6110 Management of Air Quality (3 hours)
- ENMG 6120 Waste Management and Pollution Control (3 hours)
- ENMG 6200 Environmental Risk Management and Strategies (3 hours)

In addition, the student completes 9 credit hours of graduate elective courses offered from other programs.

Emphasis in Environmental Sustainability

The emphasis in environmental sustainability is designed to provide environmental managers with specialized coursework in this area. This emphasis area concentrates on the relationship between sustainability and environmental resource management to include managing economic, social, and ecological systems with and external to an organizational entity in order for it to sustain both itself and the system it exists within.

Additional Emphasis Learning Outcomes

Upon completion of this emphasis, students will be able to:

- Identify the basic scientific principle of ecology and biodiversity and the way human systems integrate with natural systems.
- Conduct research and present findings on selected environmental sustainability topics.
- Identify the limits of science and law in resolving environmental disputes.
- Review managerial, technological, and policy approaches to natural resource management.
- Effectively communicate energy-related legislation and policies to stakeholders.

Emphasis Curriculum

The MS in environmental management with an emphasis in environmental sustainability requires 39 credit hours. The 12 credit hours required for the emphasis in environmental sustainability must include the following courses:

- ENMG 5400 Environmental Sustainability (3 hours)
- ENMG 5410 Environmental Ethics and Decision Making (3 hours)
- ENMG 5420 Natural Resource Management and Sustainability (3 hours)
- ENMG 5430 Energy Policy and Sustainability (3 hours)

Admission

Students who are interested in applying to this certificate program should see the Admission Section of this catalog for general requirements.

Prerequisites

The prerequisites for the program are a bachelor’s degree and BUSN 5760 Applied Statistics (or 6 credit hours of undergraduate statistics).

Send all admission materials to:

Office of Admissions
Webster University
470 E. Lockwood Ave.
St. Louis, MO 63119

Advancement to Candidacy

Students are admitted to their graduate program upon completion of all admission requirements. Students are advanced to candidacy status after successfully completing 12 credit hours of graduate credit, with grades of B– or better. In the MBA program and other specialized programs, courses required as prerequisites to the program do not count toward the 12 credit hours required for advancement. A student who receives one F or two C’s before advancement is dismissed. Students admitted on a conditional basis into the School of Business and Technology, the College of Arts & Sciences, or the School of Communications are limited to taking one course per term. Such students who earn one grade of C or below before they are advanced to candidacy will be dismissed without further right to appeal for reinstatement but may apply for readmission after one calendar year from the date of dismissal. Exceptions for international students may apply.