



OCCUPATIONAL SAFETY

MASTER OF SCIENCE



The Master of Science in Occupational Safety is accredited by the Applied and Natural Sciences Accreditation Commission of ABET, www.abet.org. This program prepares graduates for ethical leadership positions in occupational safety and related fields. It also provides practical and academic experiences in the design and management of enterprise-wide safety systems such that organizational resources are prepared, protected, and preserved from risk, danger, and loss. The foundational principles and overarching academic goals of the MSOS program include ensuring effective communications skills, the ability to think critically and solve occupational safety issues, and to develop applied research skills. Visit the MSOS Program web page at www.cet.ecu.edu/msos for more details.

The MSOS degree is offered via Distance Education (DE) as well as on-campus. The DE component is designed for professionals who are working in the Occupational Safety or closely related fields. Students who are not working in the field may pursue the on-campus option. The program is designed based on completion of a minimum of 30 credit hours. Students culminate in a research Thesis or a Practicum, is a significant project implemented and evaluated in industry.

Core Courses (27 Semester Hours)	Practicum or Thesis (9-12 Semester Hours)
<p>Foundational/transitional courses (6 hours)* SAFT 6001 Regulatory Aspects of Occupational & Environmental Safety SAFT 6002 Technical Aspects & Field Audits in Occupational Safety</p> <p>Required courses (21 hours) SAFT 6040 Critical Thinking and Res. Method in Occ. Safety SAFT 6250 Occupational Ergonomics SAFT 6290 Fire Protection & Prevention & Emergency Management SAFT 6310 Risk Management and Workers' Compensation SAFT 6402 Applied Safety Management SAFT 6410 Systems Safety and Risk Analysis SAFT 6805 Occupational Safety Monitoring and Control</p>	<p>Choose one option from:</p> <p>Practicum Option (9 hours) SAFT 6995 Practicum in Occupational Safety 6 semester hours of approved electives</p> <p>Thesis Option (12 hours) BIOS 7021 Biostatistics for Health Professionals I or ITEC 6000 Statistical Applications in Industry SAFT 7000 Thesis 3 semester hours of an approved elective</p>

* Applicants with a baccalaureate degree in occupational safety and health from a regionally accredited school, significant verifiable work experience, or appropriate professional designations (i.e., CSP, CIH, ARM, and CPE) may be qualified to receive credit for up to two courses, including foundational/transitional courses (SAFT 6001 and SAFT 6002), with appropriate documentation.

ADMISSION STANDARDS

Applicants must have a baccalaureate degree from a regionally accredited institution and have an overall GPA of 2.7 on a 4.0 scale on all undergraduate work. Each applicant must achieve a satisfactory score on Graduate Record Examination (GRE). The minimum acceptable test score is based on a moving scale determined by the ECU Graduate School. Submission of GRE score is waived for applicants holding board certifications such as CSP, CIH, CPE, or PE, or demonstration of 5 years of professional work experience. Deficiencies in students' backgrounds are evaluated on a case-by-case basis. Remedial undergraduate courses and/or additional graduate courses may be required.

PROGRAM PREREQUISITES: Undergraduate **Chemistry course with lab** and **Statistics course**.

ADMISSION PROCEDURE

1. Complete and submit a graduate application from the ECU Office of Graduate Studies website at www.ecu.edu/gradschool.
2. Submit any required forms such as the Statement of Legal Residence, Statement of Purpose, Resume, official copies of all transcripts, and three letters of reference to the ECU Office of Graduate Studies.

The program is Internet based and permits students to be advised, complete courses, collaborate on projects, conduct research, and complete the degree online. Each student should have a state-of-the-art computer and reliable high speed Internet access. Students typically spend 10-15 hours per week in preparing for and participating in each course. Required courses are scheduled in a sequence over the fall and spring semesters. Some elective courses may be available during the summer session. Formats for the courses vary, but all include weekly interaction with the instructor and other students. Information on tuition and fees can be found at www.ecu.edu/gradschool.

All information provided in this flyer is subject to change without notification. Students and applicants are required to review the Graduate Catalog (www.ecu.edu/catalog/) to learn about the current requirements, regulations, and policies.

For more information contact:

Department of Technology Systems, Office of Graduate Studies
 Phone: 252-328-9653 / 9674 Email: mstechsystems@ecu.edu Website: www.cet.ecu.edu/msos
