UMass Lowell- Keene State Accelerated BS/MS program

BS Safety/ MS Occupational Ergonomics and Safety

or

BS Safety /MS Occupational & Environmental Hygiene

Goal: Students will be able to complete both the KSC Bachelor of Science degree and the UML Master of Science degree in Work Environment in five years. KSC students who meet the prerequisites for admission into the UML MS program and complete the required course work will be able to have the course work taken while enrolled at KSC count towards 12 credits of the UML MS requirements (double count of course credit toward BS and MS).

Options: Students will be able to concentrate in either of two options at UML: 1) Occupational Ergonomics and Safety (OES) or 2) Occupational and Environmental Hygiene (OEH). Students will be able to complete a UML master's degree in both options, which will likely require at least one additional semester beyond the five years.

Qualifications: To qualify for the program, KSC students must have a minimum GPA of 3.25. As an incentive, UML will waive the Graduate Record Examination (GRE) for qualified students. All students must satisfy the pre-requisite course requirements for matriculation in the UML MS programs including: for the OES program; one semester each of Math, Biology, and Physics and for the OEH program; one semester each of Chemistry, Math, Biology, and Physics, each completed with a grade of C or better. In addition, organic chemistry is recommended for OEH students, but not required. It is also recommended that students complete SAFE 204 Human Factors at KSC. For courses taken to either transfer to UML or for testing out of a UML course, a grade of B or better is required. For graduate courses transferring from UML into the KSC Safety BS degree program, a C or better is required.

Ways to Accelerate the BS/MS: KSC Safety program students will be able to test out of 6 credits required for the UML Master of Science degree by completing the following:

- KSC students who complete with a B or better SAFE305 Health Hazard Identification and SAFE401 Industrial Hygiene will have the opportunity to test out of UML PUBH.5030 Toxicology and Health.
• KSC students who complete with a B or better MATH141 Introductory Statistics and HLSC305 Epidemiology in Health Science will have the opportunity to test out of UML PUBH.5750 Introduction to Epidemiology.

KSC Safety program students will be able to take two graduate courses, either at KSC or at UML, that will transfer into the UML Master of Science for another 6 credits (for a total of 12 credits) by completing either Path A or B:

- PATH A -
  • KSC students who complete with a B or better the graduate course SAFE 605 Safety Management Systems at KSC may transfer the course into UML. This course will replace the UML course PUBH.5400 Occupational Safety Engineering.
  • KSC students who complete with a B or better the graduate course SAFE603 Applied Occupational Health at KSC may transfer the course into UML. This course will count as an elective in both the OES and OEH programs.

- PATH B -
  • KSC students will have the option of taking two UML graduate courses during their senior year. These can be any of the courses offered in a given semester and required for the UML Work Environment program of choice that fits their KSC schedule.
  • For students interested in the Occupational Ergonomics and Safety (OES) option at UML, required courses commonly offered in the Fall include PUBH.5300 Ergonomics and Work and PUBH.5510 Work Environment Policy and Practice. In the Spring, PUBH.5311 Occupational Biomechanics and PUBH.5400 Occupational Safety Engineering are required courses.
  • For students interested in the Environmental Hygiene (OEH) option at UML, required courses commonly offered in the Fall include PUBH.5100 Fundamentals of Occupational and Environmental Hygiene and PUBH.5510 Work Environment Policy and Practice. In the Spring, PUBH.5400 Occupational Safety Engineering is a required course that is usually offered.