

Occupational and Environmental Health Sciences Graduate Program  
M.S. (Coursework) Degree  
Plan of Study

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A minimum of 36 coursework credit hours with no more than 6 credit hours at the 300 or 400 level is required for the M.S. degree by coursework.

**REQUIRED COURSES**

- (0) CHM 60500 – Safety in the Laboratory\*
- (1) GRAD 61200 – Responsible Conduct in Research
- (3) STAT 50300 – Statistical Methods for Biology\*\*
- (3) HSCI 34500 – Introduction to Occupational and Environmental Health Sciences
- (3) HSCI 52000 – Environmental Risk Assessment
- (2) HSCI 54400 – Advanced Topics in Exposure Assessment
- (4) HSCI 54600 – Advanced Industrial Hygiene Control Technology
- (3) HSCI 54800 – Advanced Industrial Hygiene Instrumentation Techniques
- (3) HSCI 54700 – Fundamentals of Epidemiology
- (3) HSCI 55100 – Physical Agents in Environmental Health
- (3) HSCI 55200 – Introduction to Aerosol Science
- (3) HSCI 55300 – Advanced Occupational Safety and Management Culture
- (3) HSCI 56000 – Toxicology
- (3) HSCI 57500 – Introduction to Environmental Health
- (2) HSCI 58000 – Occupational Biomechanics and Ergonomics
- (1) HSCI 58001 – Occupational Biomechanics and Ergonomics Laboratory
- (6) HSCI 59000 – M.S. Project\*\*\*
- (1) HSCI 69600 – Seminar in Health Sciences (*attend every semester*) \*\*\*\*

\* CHM 60500 is required if doing work in a laboratory

\*\*STAT 51100 (Statistical Methods) may be substituted for STAT 50300

\*\*\* It is encouraged that students take 3 credits in HSCI 690 in two different semesters (i.e., that they work on the project over a full academic year. More than 6 credits can be taken in as HSCI 690 upon agreement by the student and their committee.

\*\*\*\* The seminar course should be taken every semester, but it should only be listed on the plan of study twice

*NOTE: Many courses are not offered every semester. It is the student's responsibility to check on the availability of courses when planning their schedules.*

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M.S. Project: The M.S. project is designed to give the student practical experience in applying Occupational and Environmental Health concepts to real-world problems. The project is performed under the supervision of a faculty member of the School of Health Sciences or under co-supervision with a faculty member and another instructor approved by the student's advisory committee. The content of the project must be reviewed and approved by the student's advisory committee. A major report on the results of the project is required and must be approved by the student's advisory committee.

A full time student has a minimum of 8 credit hours each semester (6 in the summer); however, it is recommended to enroll in at least 12 credit hours per semester. In addition to the core course listed in the student's plan of study, the student's course load can be supplemented by electives.

In addition to the many course offerings in the School of Health Science and depending on the interests of the student, the student can choose many more electives throughout Purdue University.

Graduate courses taken while registered as a graduate student at Purdue University may be considered for fulfilling the plan of study requirements only if the student has received grades of C or better. For courses at the 300 or 400 level taken as a graduate student or courses that represent either undergraduate or graduate excess credit or transfer credit, grades of B or better are required for fulfilling plan of study requirements.