

Department of Environmental Engineering

Contact Information

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Room Number: 376

The Environmental Engineering Program is an interdisciplinary program which prepares graduate students for professional careers in one or more of the following areas: Air Quality, Water Quality, Solid/Hazardous Waste, Ecological Engineering, Environmental and Occupational Health, Environmental Systems, Environmental Informatics and Environmental Biotechnology. There are state-of-the-art laboratories and computer facilities available for research and teaching.

Environmental Engineering master's students are eligible to take doctoral level environmental engineering courses as part of their degree plan, and two or more electives from the environmental engineering curricula or other disciplines with committee approval.

Entrance Requirements

Students must hold a minimum of a baccalaureate degree and an acceptable combination of GRE scores, TOEFL or IELTS score (international students) and grade point average. Applications will be considered on an individual basis. Contact the M.S. Coordinator, Department of Environmental Engineering for details.

Department Faculty

Camacho, Lucy M Associate Professor, Department of Environmental Engineering; B.S., Technische Universitat Dresden (Germany); M.S., Technische Universitat Dresden (Germany); Ph.D., New Mexico State University.

Clapp, Lee Professor, Department of Environmental Engineering; B.S., University of Maine; M.S., University of Wisconsin-Madison; Ph.D., University of Wisconsin-Madison.

Rajib Bhuiyan, Mohammad Adnan Assistant Professor, Department of Environmental Engineering; B.S., Bangladesh University of Engineering and Technology (Bangladesh); M.S., Bangladesh University of Engineering and Technology (Bangladesh); Ph.D., Purdue University.

Ramirez, David Professor, Department of Environmental Engineering; Chair; B.S., Universidad Autonoma de Aguascalientes (Mexico); M.S., University of Illinois at Urbana-Champaign; Ph.D., University of Illinois at Urbana-Champaign.

Ren, Jianhong Professor, Department of Environmental Engineering; B.S., Beijing Polytechnic University (China); M.S., Drexel University; Ph.D., Northwestern University.

Sinha, Tushar Associate Professor, Department of Environmental Engineering; B.Engr., Maharana Pratap University of Agriculture and Technology (India); M.S., Indian Institute of Technology Delhi (India); Ph.D., Purdue University.

Environmental Engineering (EVEN)

Most courses in Environmental Engineering are listed under the PhD section.

EVEN 5305 Graduate Research Project **3 SCH (3)**

Designed for project option students and requires completion of research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

EVEN 5306 Thesis **3 SCH (3)**

For thesis option students. The course requires 6 hours of grades, the first 3 hours consisting of completion of a thesis proposal and the last 3 hours consisting of completion of the thesis. Completion of the thesis proposal is a prerequisite for enrollment in the last 3 hours of thesis.

Environmental Engineering, M.S.

Thesis Track students must complete 8 graduate-level courses, take 1 graduate seminar, and successfully defend a thesis proposal and thesis:

- EVEN 6308 - Fundamentals of Solid and Hazardous Waste Engineering (3 cr)
- EVEN 6309 - Fundamentals of Air Quality Engineering (3 cr)
- EVEN 6316 - Fundamentals of Environmental Biotechnology (3 cr)
- EVEN 6318* - Environmental Systems Modeling (or any other environmental modeling course) (3 cr)

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- EVEN 6319 - Chemical Principles for Environmental Engineering Design (3 cr)
- EVEN 6325 - Physical-Chemical Water Treatment Processes (3 cr)
- EVEN 6329 - Environmental Monitoring and Measurements (3 cr)
- EVEN 6354 - Environmental Regulations and Policy (3 cr)
- EVEN 6102 - Environmental Engineering Graduate Seminar (1 cr)
- EVEN 5306 - Thesis Proposal (3 cr)
- EVEN 5306 - Thesis (3 cr)

Research Project Track students must complete 11 graduate-level courses (including the 8 listed above), take 1 graduate seminar, and successfully defend a research project report (EVEN 5305, 3 cr).