CIVIL AND ENVIRONMENTAL ENGINEERING: PROFESSIONAL, MS

This is a named option in the Civil and Environmental Engineering MS (http://guide.wisc.edu/graduate/civil-environmental-engineering/civil-environmental-engineering-ms/). It is one year, face-to-face coursework-based program.

The mission of the civil and environmental engineering (CEE) program is to develop leaders in education, industry, and government who can use their acquired skills to improve society. The academic program provides a comprehensive framework of courses in the broad area of civil and environmental engineering with opportunities to develop specialized expertise. It also emphasizes the development of integrated teamwork abilities, communication, leadership, entrepreneurship, and creative research skills.

Graduate study in the department offers an opportunity to take coursework in various areas of specialization including:

- **Construction engineering and management:** construction labor productivity management; integrated lean project delivery systems; risk management; advanced computer applications to construction; change management
- **Environmental science and engineering:** water supply; water quality; water treatment; wastewater treatment; solid and hazardous waste management; air pollution; biotechnology; alternative energy
- **Geological/geotechnical engineering:** geotechnical and geological engineering; geosynthetics; in-situ testing and engineering geophysics; recycled materials in sustainable construction
- **Structural engineering:** behavior, analysis and design of reinforced/prestressed concrete, steel, and wood structures; design for earthquake and wind loading; seismic rehabilitation
- **Transportation engineering:** highway and traffic engineering; intelligent transportation systems; connected and automated vehicles; transportation planning; infrastructure management; transportation safety; user comprehension and behavior; advanced driving- and micro-simulation; big data
- **Water resources engineering:** analysis, measurement, modeling of currents, flows, and waves in natural and constructed systems; surface and groundwater hydrology; hydraulic engineering; coastal engineering; sedimentation and transport processes; infrastructure impacts of extreme weather events; hydroecology; stream restoration

ADMISSIONS

ADMISSIONS

Please consult the table below for key information about this degree program's admissions requirements. The program may have more detailed admissions requirements, which can be found below the table or on the program's website.

Graduate admissions is a two-step process between academic programs and the Graduate School. ***Applicants must meet* the minimum requirements *(https://grad.wisc.edu/apply/requirements/) of the Graduate School as well as the program(s).*** Once you have researched the graduate program(s) you are interested in, apply online (https://grad.wisc.edu/apply/).

Requirements	Detail
Fall Deadline	December 15
Spring Deadline	September 1
Summer Deadline	This program does not admit in the summer.
GRE (Graduate Record Examinations)	Not required.
English Proficiency Test	Every applicant whose native language is not English, or whose undergraduate instruction was not exclusively in English, must provide an English proficiency test score earned within two years of the anticipated term of enrollment. Refer to the Graduate School: Minimum Requirements for Admission policy: https://policy.wisc.edu/library/UW-1241 (https://policy.wisc.edu/library/UW-1241/).
Other Test(s) (e.g. GMAT, MCAT)	n/a
Letters of Recommendation Required	3

Please submit all application materials by the fall deadline to ensure full review of your application. Applications submitted after the fall deadline through March 15 will be reviewed if complete and will be considered for admission by the department if space is still available. To check if space is available, please email: ceegradadmission@engr.wisc.edu

APPLICATION PROCESS AND REQUIREMENTS

All applicants must meet the Graduate School's admission requirements (http://grad.wisc.edu/admissions/requirements/) to be considered for admission. Departmental admission is by committee review. Any application material submitted after the deadline is not guaranteed to be reviewed by the graduate admissions committee.

In addition, applicants must also meet the department's requirements listed below to be considered for admission:

Grades

A minimum undergraduate grade-point average (GPA) of 3.00 (on a 4.00 scale) on the equivalent of the last 60 semester hours (approximately two years of work) or a master's degree with a minimum cumulative GPA of 3.00 is required. Applicants from an international institution must demonstrate strong academic achievement comparable to a 3.00 for an undergraduate or master's degree. The Graduate School will use your institution's grading scale. Do not convert your grades to a 4.00 scale.

Degree

Have a bachelor's degree in civil and environmental engineering from an ABET-accredited engineering program or from a recognized international institution or have a bachelor's degree in a different field of engineering (e.g., Mechanical Engineering, Biological Systems Engineering, Chemical and Biological Engineering, etc.) with relevant undergraduate coursework

in the specific area of interest (e.g., environmental, transportation, geological, etc.).

Funding
This program is self-funded. (No funding or scholarships are available through the university). Admitted applicants are strongly discouraged to pursue graduate assistantship positions (i.e., project assistants, teaching assistants, or research assistants) during their time in this program, as the rigor and accelerated nature of this program may not accommodate those work time commitments. Admitted applicants in this program will not receive the tuition remission that is typically part of the compensation package for a graduate assistantship.

COMPLETE APPLICATION
A complete graduate application is required before an application will be reviewed by the faculty. A complete graduate application contains the following:

Graduate School Application
Applicants must submit an online application to the UW–Madison Graduate School. See Graduate School Admissions (https://grad.wisc.edu/admissions/) to apply.

Statement of Purpose
Submit a statement of purpose of 1,000 words or less in the online application. This statement should cover your technical areas of interest, coursework emphasis, work experience, professional goals, and any other items relevant to your qualifications for graduate school. See the Graduate School for additional guidelines for the Statement of Purpose (https://grad.wisc.edu/apply/prepare/) (scroll to bottom of page).

Three Letters of Recommendation
Three letters of recommendation must be submitted through the online application. These letters should be from people who can judge the applicant's academic, research, and/or work performance. See the Graduate School for FAQs (https://grad.wisc.edu/apply/prepare/) regarding these letters.

Academic Transcripts
Upload the most recent copies of your transcripts to the online application, from each institution attended. Study abroad transcripts are not required if coursework is reflected on the degree granting university's transcript. Unofficial copies of transcripts will be accepted for departmental review. If the applicant is recommended for admission, then the Graduate School will follow-up with instructions for official transcript submission. Please do not send transcripts or any other application materials to the Graduate School or the Department of Civil and Environmental Engineering unless requested.

Resume/Curriculum Vitae
Upload your most recent resume or curriculum vitae in the online application.

English Proficiency Score
International degree-seeking applicants must prove English proficiency. See Graduate School Admission Requirements (http://grad.wisc.edu/admissions/requirements/) for more information on the English proficiency requirement.

Application Fee
A one-time application fee is required. See the Graduate School frequently asked questions (https://grad.wisc.edu/apply/requirements/) for fee information. Fee grants are offered by the Graduate School on a limited basis and under certain conditions, as outlined here (https://grad.wisc.edu/apply/fee-grant/). The department does not offer an application fee waiver due to the large volume of applications received. However, if you are working with a specific faculty member, then they may offer you a fee voucher.

FUNDING

FUNDING
GRADUATE SCHOOL RESOURCES
Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding/) is available from the Graduate School. Be sure to check with your program for individual policies and restrictions related to funding.

PROGRAM INFORMATION
Students enrolled in this program are not eligible to receive tuition remission from graduate assistantship appointments at this institution.

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS
Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

NAMED OPTION REQUIREMENTS
MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	Yes

CURRICULAR REQUIREMENTS

Requirements	Detail
Minimum Credit Requirement	30 credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	At least 15 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/).
Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/).
Other Grade Requirements	n/a

Assessments and Examinations	There are no degree-specific assessments and examinations outside of those given in individual courses.
Language Requirements	n/a

REQUIRED COURSES

This is a face to face, accelerated program:

- Complete the program in one academic year (e.g., fall, spring, summer)
- Courses may begin in the fall or spring semester

Core Courses

- At least 15 of the 30 credit hours must be taken within one curriculum pathway.[1] Please see curriculum pathways below
- 21 of the 30 credit hours must be taken in CIV ENGR (https://guide.wisc.edu/courses/civ_engr/) or G L E (https://guide.wisc.edu/courses/g_l_e/).
- 15 of the 30 credit hours must be at the graduate level ("Grad 50%" attribute).

Professional Development

- May enroll in up to 5 credits of CIV ENGR 999 Advanced Independent Study or G L E 999 Independent Work.

Elective Courses

- Up to 2 credit hours of seminar. Please see seminar options listed below.
- Additional electives beyond CIV ENGR 999, G L E 999, and/or seminar(s) may be taken based on your career interests and advisor approval.

Seminars

Code	Title	Credits
CIV ENGR 579	Seminar-Transportation Engineering	1
CIV ENGR 760	Research Methods in Construction Engineering Management	1
G L E 900	Seminar	1
CIV ENGR 909	Graduate Seminar - Environmental Chemistry & Technology	1
CIV ENGR 919	Seminar-Hydraulic Engineering and Fluid Mechanics	1
CIV ENGR 929	Seminar-Environmental Engineering	1
CIV ENGR 939	Geotechnical Engineering Seminar	1
CIV ENGR 949	Seminar-Structural Engineering	1

CURRICULUM PATHWAYS

Construction Engineering and Management [1]

Code	Title	Credits
CIV ENGR 360	Construction Systems	3
CIV ENGR 392	Building Information Modeling (BIM)	3
CIV ENGR/ G L E 430	Introduction to Slope Stability and Earth Retention	1
CIV ENGR/ G L E 432	Introduction to Shallow and Deep Foundation Systems	1
CIV ENGR/ G L E 434	Introduction to Underground Openings Engineering	1
CIV ENGR 445	Steel Structures I	3
CIV ENGR 447	Concrete Structures I	3
CIV ENGR 451	Architectural Design	3
CIV ENGR 465	Data Sensing and Analysis in Construction	3
CIV ENGR 491	Legal Aspects of Engineering	3
CIV ENGR 492	Integrated Project Estimating and Scheduling	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
CIV ENGR 495	Sustainable Building and Materials	3
CIV ENGR 496	Electrical Systems for Construction	3
CIV ENGR 497	Mechanical Systems for Construction	3
CIV ENGR 498	Construction Project Management	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
CIV ENGR/ G L E 532	Foundations	3
CIV ENGR 545	Steel Structures II	3
CIV ENGR 547	Concrete Structures II	3
CIV ENGR 575	Advanced Highway Materials and Construction	3
CIV ENGR 576	Advanced Pavement Design	3
CIV ENGR 649	Special Topics in Structural Engineering	1-3
CIV ENGR 669	Special Topics in Construction Engineering and Management	1-4
CIV ENGR 760	Research Methods in Construction Engineering Management	1

[1] These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

Environmental Science and Engineering [1]

Code	Title	Credits
CIV ENGR 410	Hydraulic Engineering	3
CIV ENGR 411	Open Channel Hydraulics	3
CIV ENGR 412	Groundwater Hydraulics	3
CIV ENGR 414	Hydrologic Design	3
CIV ENGR 415	Hydrology	3
CIV ENGR 416	Water Resources Systems Analysis	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
CIV ENGR 426	Design of Wastewater Treatment Plants	3
CIV ENGR 427	Solid and Hazardous Wastes Engineering	3
CIV ENGR 428	Water Treatment Plant Design	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3

CIV ENGR 500	Water Chemistry	3
CIV ENGR 501	Water Analysis-Intermediate	3
CIV ENGR/G L E 511	Mixing and Transport in the Environment	3
CIV ENGR 514	Coastal Engineering	2-3
CIV ENGR 515	Hydroclimatology for Water Resources Management	3
CIV ENGR 516	Hydrologic Data Analysis	3
CIV ENGR 522	Hazardous Waste Management	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
CIV ENGR/ G L E 530	Seepage and Slopes	3
CIV ENGR 609	Special Topics in Water Chemistry	1-3
CIV ENGR/G L E 612	Ecohydrology	3
CIV ENGR 618	Special Topics in Hydraulics and Fluid Mechanics	1-3
CIV ENGR 619	Special Topics in Hydrology	1-3
CIV ENGR 621	Biological Treatment Process Modeling	1
CIV ENGR 629	Special Topics in Environmental Engineering	1-3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
CIV ENGR 700	Chemistry of Natural Waters	3
CIV ENGR/ ATM OCN 701	The Chemistry of Air Pollution	2
CIV ENGR 703	Environmental Geochemistry	3
CIV ENGR 704	Environmental Chemical Kinetics	3
CIV ENGR 721	Biological Principles of Environmental Engineering	3
CIV ENGR 722	Chemical Principles of Environmental Engineering	3
CIV ENGR 723	Energy Principles of Environmental Engineering	3
CIV ENGR 729	Environmental Sustainability Tools	3
CIV ENGR/ G L E 732	Unsaturated Soil Geoengineering	3
CIV ENGR 820	Hydraulics and Applied Fluid Mechanics for Environmental Engineers	3
CIV ENGR 821	Environmental Engineering: Biological Treatment Processes	3-4
CIV ENGR 822	Environmental Engineering: Physical/Chemical Treatment Process	3-4
CIV ENGR 823	Environmental Engineering Design Project	3

[1] These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

Geological/Geotechnical Engineering [1]

Code	Title	Credits
G L E 401	Special Topics in Geological Engineering	1-3
CIV ENGR 411	Open Channel Hydraulics	3
CIV ENGR 412	Groundwater Hydraulics	3
CIV ENGR 414	Hydrologic Design	3
GEOSCI/GEOG 420	Glacial and Pleistocene Geology	3
CIV ENGR 427	Solid and Hazardous Wastes Engineering	3
CIV ENGR/ G L E 430	Introduction to Slope Stability and Earth Retention	1
CIV ENGR/ G L E 432	Introduction to Shallow and Deep Foundation Systems	1
CIV ENGR/ G L E 434	Introduction to Underground Openings Engineering	1
G L E/CIV ENGR/ ENVIR ST/ GEOSCI 444	Practical Applications of GPS Surveying	2
G L E/CIV ENGR/ GEOSCI/ M S & E 474	Rock Mechanics	3
CIV ENGR 514	Coastal Engineering	2-3
CIV ENGR/ G L E 530	Seepage and Slopes	3
G L E/ CIV ENGR 532	Foundations	3
G L E/ CIV ENGR 534	Nondestructive Evaluation	3
G L E/ CIV ENGR 535	Wind Energy Balance-of-Plant Design	3
G L E/GEOSCI 537	Quantitative Methods for Geoscience	3
CIV ENGR 575	Advanced Highway Materials and Construction	3
CIV ENGR 576	Advanced Pavement Design	3
G L E/GEOSCI 594	Introduction to Applied Geophysics	3
G L E/GEOSCI 595	Field Methods in Applied and Engineering Geophysics	1
G L E/GEOSCI 596	Geomechanics	3
G L E/GEOSCI 627	Hydrogeology	3-4
G L E/GEOSCI 629	Contaminant Hydrogeology	3
G L E/ CIV ENGR 635	Remediation Geotechnics	3
GEOSCI 720	Glaciology	3
G L E/GEOSCI 724	Groundwater Flow Modeling	3
G L E/ CIV ENGR 730	Engineering Properties of Soils	3
G L E/ CIV ENGR 732	Unsaturated Soil Geoengineering	3
G L E/ CIV ENGR 733	Physicochemical Basis of Soil Behavior	3
G L E/ CIV ENGR 735	Soil Dynamics	3
CIV ENGR 744	Structural Dynamics and Earthquake Engineering	4

G L E/GEOSCI 747	Tectonophysics	3
GEOSCI 755	Advanced Structural Geology	3
G L E/GEOSCI 757	Advanced Rock Mechanics	3
GEOSCI 758	Mechanics of Earthquakes and Faulting	3
GEOSCI 793	Geophysical Inverse Theory	3
G L E 801	Special Topics in Geological Engineering	1-3
GEOSCI 875	Advanced Topics in Geology	1-3

[1] These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

Structural Engineering [1]

Code	Title	Credits
CIV ENGR 392	Building Information Modeling (BIM)	3
E M A 405	Practicum in Finite Elements	3
CIV ENGR/ G L E 430	Introduction to Slope Stability and Earth Retention	1
CIV ENGR/ G L E 432	Introduction to Shallow and Deep Foundation Systems	1
CIV ENGR/ G L E 434	Introduction to Underground Openings Engineering	1
CIV ENGR 440	Structural Analysis II [2]	3
CIV ENGR 491	Legal Aspects of Engineering	3
CIV ENGR 498	Construction Project Management	3
E M A 506	Advanced Mechanics of Materials I	3
CIV ENGR/E M A/ M E 508	Composite Materials	3
CIV ENGR/ G L E 532	Foundations	3
CIV ENGR/ G L E 534	Nondestructive Evaluation	3
CIV ENGR 545	Steel Structures II [2]	3
CIV ENGR 547	Concrete Structures II [2]	3
E M A 605	Introduction to Finite Elements	3
CIV ENGR 643	Prestressed Concrete	3
CIV ENGR 647	Concrete Structures III	3
CIV ENGR 649	Special Topics in Structural Engineering	1-3
CIV ENGR 669	Special Topics in Construction Engineering and Management	1-4
CIV ENGR/ G L E 730	Engineering Properties of Soils	3
CIV ENGR/ G L E 735	Soil Dynamics	3
CIV ENGR 744	Structural Dynamics and Earthquake Engineering	4
CIV ENGR 749	Special Topics in Structural Engineering	1-4

[1] These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

[2] NOTE: CIV ENGR 440 Structural Analysis II, CIV ENGR 545 Steel Structures II, and CIV ENGR 547 Concrete Structures II are required for students in the Structural Engineering Path unless approved by their advisor.

Transportation Engineering [1]

Code	Title	Credits
PSYCH/I SY E 349	Introduction to Human Factors	3
CIV ENGR 370	Transportation Engineering	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 491	Legal Aspects of Engineering	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
CIV ENGR/ G L E 534	Nondestructive Evaluation	3
CIV ENGR 570	Connected and Automated Transportation Systems	3
CIV ENGR 571	Urban Transportation Planning	3
CIV ENGR 572	Transportation Operations	3
CIV ENGR 573	Geometric Design of Transport Facilities	3
CIV ENGR 574	Traffic Control	3
CIV ENGR 575	Advanced Highway Materials and Construction	3
CIV ENGR 576	Advanced Pavement Design	3
CIV ENGR 577	Traffic Flow Theory	3
CIV ENGR 678	Advanced Traffic Modeling and Computer Simulation	3
CIV ENGR 679	Special Topics in Transportation and City Planning	3
CIV ENGR/ PUB AFFR 694	Management of Civil Infrastructure Systems	3

[1] These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

Water Resources [1]

Code	Title	Credits
CIV ENGR 410	Hydraulic Engineering	3
CIV ENGR 411	Open Channel Hydraulics	3
CIV ENGR 412	Groundwater Hydraulics	3
CIV ENGR 414	Hydrologic Design	3
CIV ENGR 415	Hydrology	3
CIV ENGR 416	Water Resources Systems Analysis	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3

CIV ENGR 426	Design of Wastewater Treatment Plants	3
CIV ENGR 427	Solid and Hazardous Wastes Engineering	3
CIV ENGR 428	Water Treatment Plant Design	3
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
CIV ENGR 500	Water Chemistry	3
CIV ENGR 501	Water Analysis-Intermediate	3
CIV ENGR/G L E 511	Mixing and Transport in the Environment	3
CIV ENGR 514	Coastal Engineering	2-3
CIV ENGR 515	Hydroclimatology for Water Resources Management	3
CIV ENGR 516	Hydrologic Data Analysis	3
CIV ENGR 522	Hazardous Waste Management	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3
CIV ENGR/ G L E 530	Seepage and Slopes	3
CIV ENGR 609	Special Topics in Water Chemistry	1-3
CIV ENGR/G L E 612	Ecohydrology	3
CIV ENGR 618	Special Topics in Hydraulics and Fluid Mechanics	1-3
CIV ENGR 619	Special Topics in Hydrology	1-3
CIV ENGR 621	Biological Treatment Process Modeling	1
CIV ENGR 629	Special Topics in Environmental Engineering	1-3
CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Toxicants in the Environment: Sources, Distribution, Fate, & Effects	3
CIV ENGR 700	Chemistry of Natural Waters	3
CIV ENGR/ ATM OCN 701	The Chemistry of Air Pollution	2
CIV ENGR 703	Environmental Geochemistry	3
CIV ENGR 704	Environmental Chemical Kinetics	3
CIV ENGR 721	Biological Principles of Environmental Engineering	3
CIV ENGR 722	Chemical Principles of Environmental Engineering	3
CIV ENGR 723	Energy Principles of Environmental Engineering	3
CIV ENGR 729	Environmental Sustainability Tools	3
CIV ENGR/ G L E 732	Unsaturated Soil Geoengineering	3
CIV ENGR 820	Hydraulics and Applied Fluid Mechanics for Environmental Engineers	3
CIV ENGR 821	Environmental Engineering: Biological Treatment Processes	3-4
CIV ENGR 822	Environmental Engineering: Physical/Chemical Treatment Process	3-4
CIV ENGR 823	Environmental Engineering Design Project	3

[1] These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

OTHER POLICY

Students in this program may not take courses outside the prescribed curriculum without faculty advisor and program director approval. Students in this program cannot enroll concurrently in other undergraduate or graduate degree programs.

POLICIES

GRADUATE SCHOOL POLICIES

The Graduate School's Academic Policies and Procedures (https://grad.wisc.edu/acadpolicy/) provide essential information regarding general university policies. Program authority to set degree policies beyond the minimum required by the Graduate School lies with the degree program faculty. Policies set by the academic degree program can be found below.

NAMED OPTION-SPECIFIC POLICIES

PRIOR COURSEWORK

Graduate Credits Earned at Other Institutions

Up to 14 credits of relevant graduate coursework (earned post-baccalaureate) from another institution may transfer towards fulfillment of the graduate curriculum, if approved by the department. The first 9 credits of approved graduate coursework may transfer towards elective coursework. If applicable, any remaining prior coursework (beyond 9 credits) may transfer towards 5 of the 21 Civil and Environmental Engineering/Geological Engineering credits, if approved by the faculty advisor. Coursework earned ten or more years prior to admission term (start of instruction date) to a master's degree is not allowed to satisfy requirements.

Undergraduate Credits Earned at Other Institutions or UW-Madison

Upon approval from a student's graduate advisor and the graduate program chair, the Civil and Environmental Engineering program may decide to transfer up to seven credits from another institution or numbered 300 or above from the undergraduate career completed at UW–Madison. Exceptions to this limit must be approved by the Graduate School. Transfer credits from other institutions must be equivalent to the rigor of UW-Madison courses numbered 300 and above. These credits are not allowed to count toward the 50% graduate coursework minimum unless numbered 700 or above from UW- Madison. The credits are noted on the transcript in the graduate career as transfer credits, but the courses remain in the undergraduate career if taken at UW-Madison. Refer to the Graduate School: Transfer Credits for Prior Coursework (https://policy.wisc.edu/library/UW-1216/) policy.

Credits Earned as a Professional Student at UW-Madison (Law, Medicine, Pharmacy, and Veterinary careers)

Refer to the Graduate School: Transfer Credits for Prior Coursework (https://policy.wisc.edu/library/UW-1216/) policy.

Credits Earned as a University Special Student at UW–Madison

Refer to the Graduate School: Transfer Credits for Prior Coursework (https://policy.wisc.edu/library/UW-1216/) policy.

PROBATION

Refer to the Graduate School: Probation (https://policy.wisc.edu/library/UW-1217/) policy.

ADVISOR / COMMITTEE

Refer to the Graduate School: Advisor (https://policy.wisc.edu/library/UW-1232/) and Graduate School: Committees (Doctoral/Master's/MFA) (https://policy.wisc.edu/library/UW-1201/) policies.

CREDITS PER TERM ALLOWED

15 credits

TIME LIMITS

Refer to the Graduate School: Time Limits (https://policy.wisc.edu/library/UW-1221/) policy.

GRIEVANCES AND APPEALS

These resources may be helpful in addressing your concerns:

- Bias or Hate Reporting (https://doso.students.wisc.edu/bias-or-hate-reporting/)
- Graduate Assistantship Policies and Procedures (https://hr.wisc.edu/policies/gapp/#grievance-procedure)
- Hostile and Intimidating Behavior Policies and Procedures (https://hr.wisc.edu/hib/)
  - Office of the Provost for Faculty and Staff Affairs (https://facstaff.provost.wisc.edu/)
- Dean of Students Office (https://doso.students.wisc.edu/) (for all students to seek grievance assistance and support)
- Employee Assistance (http://www.eao.wisc.edu/) (for personal counseling and workplace consultation around communication and conflict involving graduate assistants and other employees, post-doctoral students, faculty and staff)
- Employee Disability Resource Office (https://employeedisabilities.wisc.edu/) (for qualified employees or applicants with disabilities to have equal employment opportunities)
- Graduate School (https://grad.wisc.edu/) (for informal advice at any level of review and for official appeals of program/departmental or school/college grievance decisions)
- Office of Compliance (https://compliance.wisc.edu/) (for class harassment and discrimination, including sexual harassment and sexual violence)
- Office of Student Conduct and Community Standards (https://conduct.students.wisc.edu/) (for conflicts involving students)
- Ombuds Office for Faculty and Staff (http://www.ombuds.wisc.edu/) (for employed graduate students and post-docs, as well as faculty and staff)
- Title IX (https://compliance.wisc.edu/titleix/) (for concerns about discrimination)

Civil and Environmental Engineering Grievance Procedures

Students who feel that they have been treated unfairly have the right to a prompt hearing of their grievance. Such complaints may involve course grades, classroom treatment, advising, various forms of harassment, or other issues. Any student or potential student may use these procedures.

• The student should speak first with the person toward whom the grievance is directed. In most cases, grievances can be resolved at this level.

• Should a satisfactory resolution not be achieved, the student should contact the program's Grievance Advisor to discuss the grievance. Currently, the Civil and Environmental Engineering Grievance Advisors are:

Pavana Prabhakar, Professor and Associate Chair for Graduate Programs
pavana.prabhakar@wisc.edu, 2210 Engineering Hall, Phone: (608) 265-7834

Greg Harrington, Professor and CEE Department Chair
gwharrin@wisc.edu, 2205 Engineering Hall, Phone: (608) 695-3380

If the student prefers to talk with someone outside of the Civil and Environmental Engineering department, contact:

Joanna Gurstelle, College of Engineering Assistant Dean for Graduate Affairs.

The Assistant Dean for Graduate Affairs (engr-dean-graduateaffairs@engr.wisc.edu) provides overall leadership for graduate education in the College of Engineering, and is a point of contact for graduate students who have concerns about education, mentoring, research, or other difficulties.

• The Grievance Advisor is responsible for facilitating any complaints or issues of students. The Grievance Advisor first attempts to help students informally address the grievance prior to any formal complaint. Students are also encouraged to talk with their faculty advisors regarding concerns or difficulties if necessary. University resources for sexual harassment concerns can be found on the UW Office of Compliance website and are included in the next section.

• If the issue is not resolved to the student's satisfaction the student can submit the grievance to the Grievance Advisor in writing, within 60 calendar days of the alleged unfair treatment.

• On receipt of a written complaint, a faculty committee will be convened by the Grievance Advisor to manage the grievance. The program faculty committee will obtain a written response from the person toward whom the complaint is directed. This response will be shared with the person filing the grievance.

• The faculty committee will determine a decision regarding the grievance. The Grievance Advisor will report on the action taken by the committee in writing to both the student and the party toward whom the complaint was directed within 15 working days from the date the complaint was received.

• At this point, if either party (the student or the person toward whom the grievance is directed) is unsatisfied with the decision of the faculty committee, the party may file a written appeal. Either party has 10 working days to file a written appeal to the College of Engineering.

• Documentation of the grievance will be stored for at least 7 years. Significant grievances that set a precedent will be stored indefinitely.

The Graduate School has established policies governing student conduct, academic dishonesty, and sexual and racial harassment. The Graduate School also has procedures for students wishing to appeal a grievance decision made at the college level. These policies are described in the Academic Guidelines.

OTHER

Students are strongly discouraged to pursue positions as Project Assistants, Teaching Assistants, or Research Assistants during their time in this program, as the rigor and accelerated nature of this program may not accommodate those work time commitments. Students in this program will not receive the tuition remission that is typically part of the compensation package for a graduate assistantship.

PROFESSIONAL DEVELOPMENT

PROFESSIONAL DEVELOPMENT

GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School's professional development resources (https://grad.wisc.edu/pd/) to build skills, thrive academically, and launch your career.

PEOPLE

PEOPLE

CIVIL AND ENVIRONMENTAL ENGINEERING

Professors Harrington (chair), Ahn, Hanna, Hurley, Li, Likos, Loheide, McMahon, Noguera, Noyce, Park, Parra-Montesinos, Ran, Remucal, Russell, Schauer, Wu; Associate Professors Block, Fratta, Ginder-Vogel, Hicks, Pincheira, Prabhakar, Sone, Tinjum, Wright; Assistant Professors Blum, Chen, Hampton, Pujara, Qin, Wang, Wei, Zhu; M.Eng Program Director Carlson. See also CEE faculty (http://directory.engr.wisc.edu/cee/faculty/).

GEOLOGICAL ENGINEERING

Professors Tinjum (Director) (Civil and Environmental Engineering), Feigl (Geoscience), Goodwin (Geoscience), Hard (Wisconsin Geological and Natural History Survey), Likos (Civil and Environmental Engineering), Loheide (Civil and Environmental Engineering), Tikoff (Geoscience), Wu (Civil and Environmental Engineering); Associate Professors Cardiff (Geoscience), Ferrier (Geoscience), Fratta (Civil and Environmental Engineering), Ginder-Vogel (Civil and Environmental Engineering), Hicks (Civil and Environmental Engineering), Sone (Civil and Environmental Engineering), Zoet (Geoscience); Assistant Professors Hampton (Civil and Environmental Engineering), Golos (Geoscience), Zahasky (Geoscience). See also GLE faculty (https://engineering.wisc.edu/departments/civil-environmental-engineering/research/geological-engineering/).

ENVIRONMENTAL CHEMISTRY AND TECHNOLOGY

Professors Hurley (Civil and Environmental Engineering), Bertram (Chemistry), Bleam (Soil Science), Harrington (Civil and Environmental Engineering), Karthikeyan (Biological Systems Engineering), McMahon (Civil and Environmental Engineering/Bacteriology), Roden (Geoscience), Root (Chemical and Biological Engineering), Schauer (Civil and Environmental Engineering), Thompson (Biological Systems Engineering); Associate Professors Ginder-Vogel (director; Civil and Environmental Engineering), Remucal (Civil and Environmental Engineering), Whitman (Soil Science); Assistant Professors Anantharaman (Bacteriology), Majumder (Bacteriology), Qin (Civil and Environmental Engineering), Wei (Civil and Environmental Engineering). See also ECT Faculty (https://engineering.wisc.edu/departments/civil-environmental-engineering/research/environmental-chemistry-technology/).