ENVIRONMENTAL GEOLOGY, MS

for the degree of Master of Science in Environmental Geology (online)

The fully-online Environmental Geology M.S. degree program requires 32 credit hours (thesis not required), 12 of which must be at the 500-level (8 in GEOL). Students must work with their program advisor to individualize their program and the required capstone research project. Students must complete a minimum of 24 hours of coursework, 12 of which must be from within the unit. All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.

For additional details and requirements refer to the department's Graduate Degree Programs and the Graduate College Handbook.

Admission

The admission requirements of the Graduate College apply. In addition, at least one year each of study in college-level calculus, chemistry, and physics is required for admission to graduate work in geology. At least three letters of recommendation, preferably from academic recommenders. For more information, write to Dr. Cory Pettijohn, Online Programs Faculty Coordinator. Application deadlines: Fall semester - June 15; Spring semester - November 15; Summer term - March 15.

Financial Aid

This online program is self-supporting and DOES NOT accept the following tuition and fee waivers (TFWs): Non-Academic waivers (including UIUC employees and employees of other state institutions), Academic waivers from UIUC, UIC and UIS employees, Related Agency waivers, waivers granted through fellowships/assistantships as governed by the Graduate College at UIUC, or Retiree waivers. Students in these programs are not eligible to hold a waiver generating graduate appointment (Assistantship or Fellowship). Full time employees may be admitted to these programs, but their employee waiver is not eligible for use towards this program. This program accepts statutory waivers (veteran grants, etc.)

Financial Aid

Information listed in this catalog is current as of 01/2024

The fully-online Environmental Geology M.S. degree program requires 32 credit hours (thesis not required), 12 of which must be at the 500-level (8 in GEOL). Students must work with their program advisor to individualize their program and the required capstone research project. Students must complete a minimum of 24 hours of coursework, 12 of which must be from within the unit. All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter. See approved elective course list (https://geology.illinois.edu/environmental-geology-online-ms-approved-courses/).

For additional details and requirements refer to the department’s Graduate Degree Programs (https://esec.illinois.edu/academics/graduate-program/?gl=1*bkr8f*_ga*Mjk0NjM4MTYuMTcwMjY2ODU3M04*_ga_E1LFESM7DF*MTCwNTUwNzk2MC4yMS4xLjE3MDU1MDgxMTExNTAuMC4w) and the Graduate College Handbook (http://www.grad.uiuc.edu/gradhandbook/).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GGIS/GEOL 407</td>
<td>Foundations of CyberGIS &amp; Geospatial Data Science</td>
<td>4</td>
</tr>
<tr>
<td>ATMS 421</td>
<td>Earth Systems Modeling (crosslist with GEOL 481)</td>
<td></td>
</tr>
<tr>
<td>ATMS 404</td>
<td>Risk Analysis in Earth Science (crosslist with GEOL 485)</td>
<td></td>
</tr>
<tr>
<td>ESE 486</td>
<td>Environmental Consulting (crosslist with GEOL 486)</td>
<td></td>
</tr>
<tr>
<td>GEOL 507</td>
<td>GIS for Geology</td>
<td></td>
</tr>
<tr>
<td>ATMS 517</td>
<td>Data Science for the Geosciences</td>
<td></td>
</tr>
</tbody>
</table>

Complete 2 of the following core courses focusing on geodata science and analysis:

Complete 3 of the following courses focusing on advanced topics:

GEOL 450 | Investigating the Earth's Interior
GEOL 451 | Environmental Geophysics
GEOL 470 | Introduction to Hydrogeology
ESE 482 | Challenges of Sustainability (crosslist with GEOL 483)
GEOL 565 | Water Chemistry & Bioremediation
GEOL 572 | Hydrogeology with Python

Additional 400-500 level courses as needed to meet or exceed the minimum credit hour requirement of the program. Selected in consultation with the program advisor; chosen from courses in the Core and Advanced Topics lists (if not taken to meet those requirements) or from a list of electives maintained by the department.

GEOL 598 | Capstone Research Project 4 or 8

Total Hours: 32

Other Requirements

Successful completion of the program requires a written capstone report.

At least 12 of the 32 required hours must be in GEOL (8 at the 500-level).

A maximum of 2 elective courses may be taken CR/NC. All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.

for the degree of Master of Science in Environmental Geology (online)
The Department of Geology offers programs leading to the Master of Science in Geology and the Doctor of Philosophy in Geology. Students have a wide variety of choices in their courses and research programs. Departmental research programs include many aspects of geology, geochemistry, and geophysics.

for the degree of Master of Science in Environmental Geology (online)

Department of Geology
Head of Department: Craig Lundstrom
Online Programs Faculty Coordinator: Cory Pettijohn
Geology Department website
Geology Online Programs website

College of Liberal Arts & Sciences
College of Liberal Arts & Sciences website (https://las.illinois.edu/)

Admissions
Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)
Program Contact: Cory Pettijohn, Online Programs Faculty Coordinator
(217) 244-9867
Geology Online email (jcpettij@illinois.edu)

Information listed in this catalog is current as of 01/2024