Graduate Certificate in Environmental Geology

The Department of Geology in collaboration with the KU Edwards Campus now offers an online graduate certificate in environmental geology. The certificate consists of 14 credit hours and coursework is completed online, with the exception of the required 1-credit-hour field techniques course, offered on-site at the Edwards or Lawrence campuses (or at a regional location), one per semester, on 1-2 weekdays or a weekend.

The certificate is a subset of the graduate science courses from the Professional Science Masters in Environmental Geology (PSM-EG) degree program. The graduate certificate can be completed as a stand-alone graduate certificate; as a graduate certificate paired with an appropriate graduate degree that the student is simultaneously enrolled in; or as a precursor to starting the full PSM-EG program.

Contact:
Terri Woodburn, Ph.D.
terriw@ku.edu
Assistant Program Director, Professional Science Masters
University of Kansas, Edwards Campus

gerontology@ku.edu (geology@ku.edu)
(785) 864-4974

Admission to Graduate Studies

An applicant seeking to pursue graduate study in the College may be admitted as either a degree-seeking or non-degree seeking student. Policies and procedures of Graduate Studies govern the process of Graduate admission. These may be found in the Graduate Studies (http://catalog.ku.edu/graduate-studies) section of the online catalog.

Please consult the Departments & Programs (http://catalog.ku.edu/liberal-arts-sciences) section of the online catalog for information regarding program-specific admissions criteria and requirements. Special admissions requirements pertain to Interdisciplinary Studies degrees, which may be found in the Graduate Studies section of the online catalog.

Graduate Certificate in Environmental Geology – Admissions Requirements:

Individuals interested in applying to the Graduate Certificate in Environmental Geology should have a bachelor’s degree from an accredited institution in geology or closely related field (natural, physical, or applied sciences, engineering) OR coursework of at least 20 credit hours in the natural and applied sciences (biology, chemistry, geology, physical geography, environmental sciences, or engineering). For those without the necessary background courses in undergraduate science and mathematics, some additional coursework may need to be completed prior to the start of the graduate certificate program. Prospective applicants to the program are encouraged to contact the program to discuss past coursework.

Individuals who are not already enrolled as KU graduate students must complete an application to the Graduate School for admission into the certificate program and submit an application fee along with the following materials:

- A Statement of Interest: This 1-2 page narrative should succinctly summarize the applicant’s education, employment history, long-term career goals, and how this graduate certificate will help achieve these goals.
- Official undergraduate transcript.
- A letter of recommendation from persons qualified to offer judgment on the applicant’s ability to undertake graduate-level work; (former professor of instructor, workplace supervisor).

Current KU graduate students wishing to enroll in the Graduate Certificate in Environmental Geology program will apply through the Graduate School. A student must be in good standing with their graduate degree program in order to participate in the certificate program. A graduate GPA of 3.0 or higher is required for admission. Awarding of certificates will be handled consistent with guidelines and timing of degree awards of the Graduate School. Completion of the certificate will appear on the graduate transcript. KU graduate students should submit the following materials:

- A Statement of Interest in the environmental geology certificate program and its relationship to the applicant’s current graduate course of study.
- An unofficial copy of the applicant’s KU transcript.
- A letter of endorsement/support from the applicant’s graduate degree program (thesis/dissertation advisor or graduate director)

For more information on admission to a graduate certificate program at KU, see the policy on Admission to Graduate Study (http://policy.ku.edu/graduate-studies/admission-to-graduate-study). Applications may be submitted at http://graduate.ku.edu/ku-graduate-application.

Students must complete 5 courses for a total of 14 graduate credit hours:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN 721</td>
<td>Environmental Regulation and Policy</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 751</td>
<td>Physical Hydrogeology (Students with no previous hydrology courses must take GEOL 552, Introduction to Hydrogeology. Prior to taking this course: GEOL 552 will not count toward graduate elective credits for the environmental geology degree or certificate.)</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 753</td>
<td>Chemical and Microbial Hydrogeology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 755</td>
<td>Site Assessment and Remediation</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1 of the following field methods courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 851</td>
<td>Field and Laboratory Methods: Physical Hydrogeology</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 852</td>
<td>Field and Laboratory Methods: Contaminant Transport</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 853</td>
<td>Field and Laboratory Methods: Chemical Hydrogeology</td>
<td>1</td>
</tr>
</tbody>
</table>