GEOLOGY - M.S.

Description
The Master of Science degree in Geology provides qualified students the opportunity for advanced study in a wide variety of geologic fields. Focus areas include Environmental Research (water, surface and subsurface processes; geohazards; and natural resources), as well as Evolution of Earth’s Systems Research (climate change, paleoecology and evolution, crustal processes).

FULLY OFFERED AT:
- Kent Campus

Admission Requirements
- Official transcript(s)
- 3.0 GPA
- GRE
- goal statement and three letters of recommendation

English Language Proficiency Requirements for International Students: All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 550 TOEFL score (79 on the Internet-based version), minimum 77 MELAB score, minimum 6.5 IELTS score or minimum 58 PTE Academic score. For more information on international admission, visit the Office of Global Education’s admission website. Effective spring 2018.

For more information about graduate admissions, please visit the Graduate Studies website.

Program Learning Outcomes
Graduates of this program will be able to:
1. Show in-depth comprehension of several areas including both basic and applied aspects of Geology/Earth Sciences.
2. Formulate testable scientific hypotheses and carry out independent research using appropriate field, experimental, analytical, and/or computational methods.
3. Describe, synthesize, and interpret the results of a scientific investigation and understand its broader applications.

Program Requirements

Major Requirements

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOL 60084</td>
<td>GEOLOGY GRADUATE STUDENT ORIENTATION</td>
<td>1</td>
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<tr>
<td>GEOL 60199</td>
<td>THESIS I</td>
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Minimum Total Credit Hours: 32

1 Upon the completion of the thesis proposal defense, the student registers for 6 credit hours of GEOL 60199. Thereafter, the student must be continuously registered in GEOL 60299 until all degree requirements are met.

Graduation Requirements
To be awarded the master’s degree, a student must complete 32 credit hours (including thesis and research credits); maintain a 3.000 or greater GPA; participate in required seminars, orientation and colloquia; and incorporate the results of a program of original geologic research in an acceptable, publicly defended thesis. There is no foreign language requirement. See the department website for additional details.

All students will have a fundamental knowledge and understanding of earth materials and a field experience by the end of the second year in the program. This will be fulfilled by (1) prior completion of equivalent coursework in mineralogy, petrology and/or a summer field camp experience; or (2) completion of graduate directed readings in earth materials and a three-to-five week field experience as determined by the graduate coordinator.