**GEOLOGY - M.S.**

College of Arts and Sciences  
Department of Earth Sciences  
www.kent.edu/earth-sciences

**Contact Information**
- Program Coordinator: David Singer | dsinger4@kent.edu | 330-672-3006  
- Chat with an Admissions Counselor

**Fully Offered**
- Delivery: In person  
- Location: Kent Campus

**Admission Terms**  
- Fall

**Examples of Possible Careers**  
- **Atmospheric, earth, marine, and space sciences teachers, postsecondary**  
  - 1.9% slower than the average  
  - 13,100 number of jobs  
  - $94,520 potential earnings

- **Geological and hydrologic technicians**  
  - 5.5% faster than the average  
  - 19,000 number of jobs  
  - $50,630 potential earnings

- **Geoscientists, except hydrologists and geographers**  
  - 4.9% about as fast as the average  
  - 31,800 number of jobs  
  - $93,580 potential earnings

- **Hydrologists**  
  - 5.3% faster than the average  
  - 7,000 number of jobs  
  - $84,040 potential earnings

- **Natural sciences managers**  
  - 4.8% about as fast as the average  
  - 71,400 number of jobs  
  - $137,940 potential earnings

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**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).

**Admission Requirements**
- Bachelor's degree from an accredited college or university  
- Minimum 2.750 undergraduate GPA on a 4.000-point scale  
- Official transcript(s)  
- Goal statement  
- Three letters of recommendation  
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:  
  - Minimum 550 TOEFL PBT score (paper-based version)  
  - Minimum 79 TOEFL IBT score (Internet-based version)  
  - Minimum 77 MELAB score  
  - Minimum 6.5 IELTS score  
  - Minimum 58 PTE score  
  - Minimum 110 Duolingo English Test score

For more information about graduate admissions, visit the graduate admission website. For more information on international admission, visit the Office of Global Education's admission 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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ESCI</td>
<td>GEOLOGY GRADUATE STUDENT ORIENTATION</td>
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<tr>
<td>ESCI</td>
<td>WRITING IN THE EARTH SCIENCES</td>
<td>1</td>
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<td><strong>Additional Program Requirements</strong></td>
<td><strong>24</strong></td>
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<tr>
<td>ESCI</td>
<td>THESIS I</td>
<td>6</td>
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Minimum Total Credit Hours: 32

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*Students must complete 9 credit hours at the 60000-level.  
Upon the completion of the thesis proposal defense, the student registers for 6 credit hours of ESCI 60199. Thereafter, the student must...
be continuously registered in ESCI 60299 until all degree requirements are met.

**Graduation Requirements**

<table>
<thead>
<tr>
<th>Minimum Major GPA</th>
<th>Minimum Overall GPA</th>
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- Participation in required orientation and colloquia
- Accepted and publicly defended thesis that incorporates the results of a program of original geologic research
- All students will have a fundamental knowledge and understanding of earth materials by the end of the second year in the program. This will be fulfilled by a lecture and lab course in Earth Materials or an equivalent course related to mineralogy and/or petrology as determined by the graduate coordinator.