**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

---

**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**

**Major Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESCI 60084</td>
<td>GEOLOGY GRADUATE STUDENT ORIENTATION</td>
<td>1</td>
</tr>
<tr>
<td>ESCI 60087</td>
<td>WRITING IN THE EARTH SCIENCES</td>
<td>1</td>
</tr>
<tr>
<td>Additional Program Requirements</td>
<td>1</td>
<td>24</td>
</tr>
</tbody>
</table>

**Culminating Requirement**

- ESCI 60199 | THESIS I                                      | 6            |

**Minimum Total Credit Hours:** 32

---

*Note*

*Source of occupation titles and labor data is from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.*

---

1 Students must complete 9 credit hours at the 60000-level.
2 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>
</tr>
</thead>
<tbody>
<tr>
<td>3.000</td>
<td></td>
</tr>
</tbody>
</table>

- 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.