GEOROGIC INFORMATION SYSTEMS, CRT

Requirements for Students Matriculating in or before Academic Year 2024-2025. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Total Hours: 16

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEOG 4203</td>
<td>Fundamentals of Geographic Information Systems</td>
<td>9</td>
</tr>
<tr>
<td>GEOG 4343</td>
<td>Geographic Information Systems: Resource Management Applications</td>
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<tr>
<td>GEOG 4353</td>
<td>Geographic Information Systems: Socioeconomic Applications</td>
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<tr>
<td>GEOG 4373</td>
<td>Geographic Information Systems in Public Health</td>
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<tr>
<td>GEOG 5343</td>
<td>Advanced Geographic Information Systems: Resource Management Applications</td>
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<tr>
<td>GEOG 5353</td>
<td>Advanced Geographic Information Systems: Socioeconomic Applications</td>
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</table>

Core Courses
Select 9 hours:

Elective Courses
Select 1 course from each category.

Category I: Spatial Analysis/GIS Programming
- GEOG 3333 Spatial Analysis (A)
- GEOG 4383 Introduction to GIS Programming

Category II: Spatial Data Collection, Management, and Representation
- GEOG 4263 Geospatial Applications for Unmanned Aerial Systems
- GEOG 4303 Applications of the Global Positioning System in Field Research
- GEOG 4313 Field Techniques and Geodata Collection
- GEOG 4323 Mapping in Modern Society
- GEOG 4333 Remote Sensing
- GEOG 4663 Web GIS: Trends, Principles, and Applications

Category III: GIS Practice and Enhancement
- GEOG 4940 Undergraduate Cooperative Education Internship

May substitute GEOG 4943 or any other certificate course that has not been used to fulfill other certificate requirements.

Courses from other OSU programs that contain at least 50% of geospatial technology in the course content may be considered as alternatives for elective courses. Consult with program coordinator for qualified alternatives.

Total Hours 16