MINOR IN GEOGRAPHY

REQUIREMENTS

The following requirements must be fulfilled: 19 credits, including 7 credits in required courses and 12 credits selected from among four groups.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 1001</td>
<td>Introduction to Human Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 1002</td>
<td>Introduction to Physical Geography</td>
<td></td>
</tr>
<tr>
<td>One course from each of the following groups:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Group A: Physical Geography**
- GEOG 2129  | Biogeography                                  |         |
- GEOG 2134  | Energy Resources                              |         |
- GEOG 2136  | Water Resources                               |         |
- GEOG 2137  | Environmental Hazards                         |         |
- GEOG 3108  | Weather and Climate                           |         |
- GEOG 3128  | Geomorphology and Natural Hazards             |         |
- GEOG 3194  | Special Topics in Physical Geography          |         |

**Group B: Human Geography**
- GEOG 2124  | Urban Transportation                          |         |
- GEOG 2125  | Transportation Systems and Networks           |         |
- GEOG 2127  | Population Geography                          |         |
- GEOG 2133  | People, Land, and Food                        |         |
- GEOG 2140  | Cities and Societies                          |         |
- GEOG 2141  | Cities in the Developing World                |         |
- GEOG 2144  | Explorations in Historical Geography          |         |
- GEOG 2147  | Military Geography                            |         |
- GEOG 2148  | Economic Geography                            |         |
- GEOG 3145  | Cultural Geography                            |         |
- GEOG 3146  | Political Geography                           |         |
- GEOG 3195  | Special Topics in Human Geography             |         |
- GEOG 3810  | Planning Cities                               |         |

**Group C: Techniques**
- GEOG 2104  | Introduction to Cartography and GIS           |         |
- GEOG 2196  | Field Methods in Geography                    |         |
- GEOG 3105  | Techniques of Spatial Analysis                |         |
- GEOG 3106  | Intermediate Geographic Information Systems   |         |
- GEOG 3107  | Introduction to Remote Sensing                |         |
- GEOG 3196  | Special Topics in Techniques                  |         |
- GEOG 4307  | Digital Image Processing and Analysis         |         |
- GEOG 4308  | Programming for Geospatial Applications I     |         |
- GEOG 4309  | GIS for Emergency Management                  |         |
- GEOG 4310  | Geovisualization and Cartography              |         |
- GEOG 4311  | Open Source Solutions for Geospatial Project Management | |

**Group D: Nature and Society**
- GEOG 1003  | Society and Environment                       |         |
- GEOG 2120  | World Regional Geography                      |         |
- GEOG 3132  | Environmental Quality and Management          |         |
- GEOG 3133  | Social-Ecological Systems                     |         |
- GEOG 3143  | Urban Sustainability                          |         |
- GEOG 3154  | Geography of the Middle East and North Africa |         |
- GEOG 3161  | Geography of Latin America                    |         |
- GEOG 3164  | The Geography of Africa                       |         |
- GEOG 3165  | Geography of South Asia                       |         |
- GEOG 3193  | Environmental Law and Policy                  |         |
- GEOG 3197  | Special Topics in Regional Geography          |         |
- GEOG 3218  | Arctic Systems                                |         |

Minor in Geography