## 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.

| MINOR IN GEOGRAPHY |  |  | GEOG 2104 | Introduction to Cartography and GIS |
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| REQUIREMENTS |  |  | GEOG 2196 | Field Methods in Geography |
| The following requirements must be fulfilled: 19 credits, including 7 credits in required courses and 12 credits selected from among four groups. |  |  | GEOG 3105 | Techniques of Spatial Analysis |
|  |  |  | GEOG 3106 | Intermediate Geographic Information Systems |
| Code | Title | Credits | GEOG 3107 | Introduction to Remote Sensing |
| Required |  |  | GEOG 3196 | Special Topics in Techniques |
| GEOG 1001 | Introduction to Human Geography |  | GEOG 4307 | Digital Image Processing and Analysis |
| GEOG 1002 | Introduction to Physical Geography |  | GEOG 4308 | Programming for Geospatial Applications I |
| One course from each of the following groups: |  |  | GEOG 4309 | GIS for Emergency Management |
| Group A: Physical Geography |  |  | GEOG 4310 | Geovisualization and Cartography |
| GEOG 2129 | Biogeography |  | GEOG 4311 | Open Source Solutions for Geospatial |
| GEOG 2134 | Energy Resources |  |  | Project Management |
| GEOG 2136 | Water Resources |  | Group D: Nature and Society |  |
| GEOG 2137 | Environmental Hazards |  | GEOG 1003 | Society and Environment |
| GEOG 3108 | Weather and Climate |  | GEOG 2120 | World Regional Geography |
| GEOG 3128 | Geomorphology and Natural Hazards |  | GEOG 3132 | Environmental Quality and Management |
| GEOG 3194 | Special Topics in Physical Geography |  | GEOG 3133 | Social-Ecological Systems |
| Group B: Human Geography |  |  | GEOG 3143 | Urban Sustainability |
| GEOG 2124 | Urban Transportation |  | GEOG 3154 | Geography of the Middle East and North Africa |
| GEOG 2125 | Transportation Systems and Networks |  | GEOG 3161 | Geography of Latin America |
| GEOG 2127 | Population Geography |  | GEOG 3164 | The Geography of Africa |
| GEOG 2133 | People, Land, and Food |  | GEOG 3165 | Geography of South Asia |
| GEOG 2140 | Cities and Societies |  | GEOG 3193 | Environmental Law and Policy |
| GEOG 2141 | Cities in the Developing World |  | GEOG 3197 | Special Topics in Regional Geography |
| GEOG 2144 | Explorations in Historical Geography |  | GEOG 3218 | Arctic Systems |
| 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 |  |  |  |

