

# Department of Geosciences Upper Division Form Catalog Year: 2020-2021

Instructions for Students graduating in Summer 2020 or later: Original copy signed by advisor, Geosciences mentor, and Dept Chair, AND Intent to Graduate Form must be filed in DSB 120 upon completing 60 credit hours.

|  |   |                      |   |                     |
|--|---|----------------------|---|---------------------|
| <b>Student Name</b>  |   | <b>Student M#</b>    |   |                     |
| <b>Degree Sought</b>   |   | <b>Email Address</b> |   |                     |
| <b>Concentration/<br/>Career Path</b>  | <b>Concentration: Physical Geography<br/>Career Path: Geospatial Analysis</b> |                      |   |                     |
| <b>General Education Requirements</b>  | <b>Course</b>   | <b>Grade</b>         | <b>Notes</b>  | <b>Credit Hours</b> |
| COMMUNICATION (9 hours)  | ENGL 1010   |                      |   | 3                   |
|  | ENGL 1020   |                      |   | 3                   |
|  | COMM 2200   |                      |   | 3                   |
| HISTORY (6 hours)<br>Choose two of the following: HIST 2010, HIST 2020, HIST 2030  |   |                      |   | 3                   |
|  |   |                      |   | 3                   |
| HUMANITIES AND/OR FINE ARTS (9 hours)<br>Choose one: ENGL 2020, 2030 or HUM 2610.<br>Choose two different subjects: ANTH 2210, ART 1030, or 1920, DANC 1000, HIST 1010, 1020, 1110 or 1120, MUS 1030, PHIL 1030, THEA 1030   |   |                      |   | 3                   |
|  |   |                      |   | 3                   |
|  |   |                      |   | 3                   |
| MATHEMATICS (3 hours) Choose one:<br>MATH 1010, 1530, 1630, 1710, 1720, 1730, 1810, 1910   |   |                      | MATH 1530 & 1710 required for program                         | 3                   |
| NATURAL SCIENCES (8 hours) Choose two different subjects: ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111, <b>GEOL 1030/1031, GEOL 1040/1041</b> , PGEO 1030, PHYS 1110, PHYS 2010/2011, PHYS 2110/2111, PSCI 1030/1031, PSCI 1130/1131 |   |                      | GEOL 1030/1031 OR GEOL 1040/1041 required for program         | 4                   |
|  |   |                      |   | 4                   |
| SOCIAL/BEHAVIORAL SCIENCES (6 hours)<br>Choose two different subjects: AAS 2100; ANTH 2010; ECON 2410; ECON 2420; EMC/JOUR/RIM 1020; <b>GEOG 2000</b> ; GS 2010; HLTH 1530/1531; PS 1005, PS 1010; PSY 1410; RS 2030; SOC 1010, SOC 2010; WGST 2100  |   |                      | GEOG 2000 required for program                                | 3                   |
|  |   |                      |   | 3                   |
| <b>SUBTOTAL HOURS</b>  |   |                      |   | <b>41</b>           |
| <b>Courses Required to Complete Major (41 hours)</b>   |   |                      |   |                     |
| <b>Course</b>  | <b>Semester</b>   | <b>Grade</b>         | <b>Course name / Notes</b>                                    | <b>Credit Hours</b> |
| GEOL 1030/1031 OR GEOL 1040/1041   |   |                      | Introduction to Earth Science + Lab or Physical Geology + Lab | 4                   |
| PGEO 1030  |   |                      | Physical Geography  | 4                   |
| PGEO 3401  |   |                      | Field Studies in Physical Geography                           | 4                   |
| PGEO 4000  |   |                      | Climatology & Climate Change                                  | 3                   |
| PGEO 4380  |   |                      | Cartography   | 3                   |
| PGEO 4490  |   |                      | Remote Sensing  | 4                   |
| PGEO 4511  |   |                      | Advanced Remote Sensing                                       | 3                   |
| PGEO 4530  |   |                      | Geographic Information Systems                                | 3                   |
| PGEO 4560  |   |                      | Intermediate Geographic Information Systems                   | 3                   |
| PGEO 4570  |   |                      | Advanced Geographic Information Systems                       | 3                   |

| GEOL 4020  |          |       | Geomorphology  | 4                  |
|--|----------|-------|--|--------------------|
| PGEO or GEOL   |          |       | Geoscience Elective - Course:                                      | 3,4,5              |
| <b>SUBTOTAL HOURS</b>  |          |       |  | <b>41</b>          |
| Cognate: Geosciences mentor-approved elective courses from the College of Basic and Applied Sciences totaling at least 18 hours. Six hours of MATH required to include MATH 1530 & MATH 1710; either would fulfill Gen Ed math requirement |          |       |  |                    |
| Course   | Semester | Grade | Course name / Notes  | Credit Hours       |
| MATH 1530  |          |       | Applied Statistics   | 3                  |
| MATH 1710  |          |       | College Algebra- can count in general education                    | 3                  |
|  |          |       |  |                    |
|  |          |       |  |                    |
|  |          |       |  |                    |
|  |          |       |  |                    |
| <b>SUBTOTAL HOURS</b>  |          |       |  | <b>18</b>          |
| Supporting courses - Six hours   |          |       |  |                    |
| Course   | Semester | Grade | Course name / Notes  | Credit Hours       |
| GEOG 2000  |          |       | Introduction to Regional Geography; can count in general education | 3                  |
| GEOG 4360  |          |       | Cultural Geography   | 3                  |
| <b>SUBTOTAL HOURS</b>  |          |       |  | <b>6</b>           |
| <b>Elective Courses – Selected in consultation with Geoscience Faculty Mentor or Professional Advisor totaling 14 hours</b>  |          |       |  |                    |
| Course   | Semester | Grade | Course name / Notes  | Credit Hours       |
|  |          |       |  |                    |
|  |          |       |  |                    |
|  |          |       |  |                    |
|  |          |       |  |                    |
|  |          |       |  |                    |
| <b>SUBTOTAL HOURS</b>  |          |       |  |                    |
| A minimum of 120 semester hours is required for graduation.  |          |       |  | <b>TOTAL HOURS</b> |

Notes: \_\_\_\_\_

Approval Signatures:

Student: \_\_\_\_\_ Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

Geosciences Mentor: \_\_\_\_\_ Department Chair: \_\_\_\_\_