

# Watershed and Earth Systems Major Degree Plan

Students should meet regularly with their faculty advisor and carefully plan their academic program, keeping in mind that many upper-division courses have prerequisites and must be taken in sequence. Students following the recommended schedule listed below should be able to complete degree requirements in four years (eight semesters).

## Freshman Year (33 credits)

### Fall Semester (17 credits)

<b>ENGL 1010 (CL1)</b> Introduction to Writing: Academic Prose .....	3
<b>GEO 1110 (BPS)</b> The Dynamic Earth: Physical Geology.....	4
<b>MATH 1060</b> Trigonometry (prereq. for MATH 1210) .....	2
<b>WATS 1020</b> Watershed Sciences Professional Orientation .....	1
<b>WATS 2930</b> Introduction to Geographic Information Sciences .....	4
<b>ENVS 2340 (BSS)</b> Natural Resources and Society (3 cr) <b>or</b>	
Other approved Breadth Social Sciences (BSS) course (3 cr).....	3

### Spring Semester (16 credits)

<b>MATH 1210 (QL)</b> Calculus I .....	4
<b>WATS 3700 (CI)</b> Fundamentals of Watershed Science.....	3
Breadth Creative Arts (BCA) course.....	3
Breadth Humanities (BHU) course .....	3
Breadth American Institutions (BAI) course.....	3

## Sophomore Year (30-31 credits)

### Fall Semester (16-17 credits)

<b>CHEM 1210</b> Principles of Chemistry I .....	4
<b>MATH 1220 (QL)</b> Calculus II (4 cr) <b>and/or</b>	
Other approved elective courses (2-7 cr) .....	6 or 7
<b>STAT 3000 (QI)</b> Statistics for Scientists .....	3
Breadth Life Sciences (BLS) course.....	3

## Spring Semester (14 credits)

<b>CHEM 1220 (BPS)</b> Principles of Chemistry II (recommended).....	4
<b>ENGL 2010 (CL2)</b> Intermediate Writing: Research Writing	
in a Persuasive Mode .....	3
<b>PHYS 2210 (QI)</b> General Physics—Science and Engineering I.....	4
<b>WATS/PSC 3820 (QI)</b> Climate Change .....	3

## Junior Year (31 credits)

### Fall Semester (15 credits)

<b>ENVS 4000 (DSS)</b> Human Dimensions of Natural	
Resource Management.....	3
<b>PSC 3000</b> Fundamentals of Soil Science.....	4
<b>WATS 4930</b> Geographic Information Systems .....	4
Directed Elective or General Elective courses .....	4

### Spring Semester (16 credits)

<b>WATS 4490</b> Small Watershed Hydrology .....	4
<b>WATS 4500</b> Limnology: Ecology of Inland Waters .....	3
Depth Humanities and Creative Arts (DHA) course.....	3
Communications Intensive (CI) course.....	3
Directed Elective or General Elective courses .....	3

## Senior Year (29-30 credits)

### Fall Semester (15 credits)

<b>WATS 4980</b> Watershed Sciences Departmental Seminar.....	1
<b>WATS/GEO 5150</b> Fluvial Geomorphology .....	3
<b>WATS/GEO 5170</b> Fluvial Geomorphology Lab .....	2
<b>WILD 5750</b> Applied Remote Sensing.....	3
Directed Elective or General Elective course(s).....	3
Capstone course .....	3

### Spring Semester (14-15 credits)

Directed Elective or General Elective courses .....	14-15
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