

DEPARTMENT OF CROP, SOIL, AND ENVIRONMENTAL SCIENCES
Check Sheet for Environmental Soil and Water Science Major (ESWSBS)
2016 - 2017

STUDENT _____ STUDENT'S ID _____ ADVISOR _____

_____ SOCI 2013 _____ SOCI 2033

COMMUNICATIONS (12 hrs)

- _____ ENGL 1013, if exempt see adviser for communication courses
- _____ ENGL 1023, if exempt see adviser for communication courses
- _____ COMM 1313
- _____ CSES 3023 (FA, Jr or Sr, COMM 1313) or AGED 3143

US HISTORY OR GOVERNMENT (3 hrs)

- _____ HIST 2003 or _____ HIST 2013 or _____ PLSC 2003

MATHEMATICS AND STATISTICS (9 hrs)

- _____ MATH 1203
- _____ MATH 1213 (higher level MATH is encouraged for students with ACT >26 and considering graduate school)
- _____ AGST 4023 or _____ STAT 2023 or _____ STAT 2303

PHYSICAL, CHEMICAL, AND BIOLOGICAL SCIENCES (35 hrs)

- _____ BIOL 1543 and _____ BIOL 1541L Principles of Biology
- _____ BIOL 2013 and _____ BIOL 2011L General Microbiology

- _____ BIOL 3863 and _____ BIOL 3861L General Ecology **OR**
- _____ ENSC 3223 and _____ ENSC 3221L Ecosyst Assess (FA, even, BIOL 1543)

- _____ CSES 1203 Intro to Plant Sciences
- _____ CHEM 1103 and _____ CHEM 1101L University Chemistry I
- _____ CHEM 1123 and _____ CHEM 1121L University Chemistry II

- _____ CHEM 2613 and _____ CHEM 2611L Organic Phys. Chem. **OR**
- _____ CHEM 3603 and _____ CHEM 3601L Organic Chem I

- _____ GEOS 1113 and _____ GEOS 1111L General Geology
- _____ PHYS 2013 and _____ PHYS 2011L College Physics I (MATH 1213)

FINE ARTS AND HUMANITIES (6 hrs)

Category A: Fine Arts *Choose one from the following courses:*

- _____ ARCH 1003 Architecture Lecture
- _____ ARHS 1003 Art Lecture
- _____ COMM 1003 Film Lecture
- _____ DANC 1003 Dance
- _____ ENGL 2023
- _____ LARC 1003 The American Landscape
- _____ MLIT 1003 Music Lecture
- _____ MLIT 1013 Music Lecture for Music Majors
- _____ THTR 1003 Theater Appreciation
- _____ THTR 1013 Musical Theater Appreciation

Category B: Humanities *Choose one from the following courses:*

- _____ AAST 2023 The African American Experience
- _____ ARCH 1013 Diversity and Design
- _____ CLST 1003 Intro to Classical Studies: Greece
- _____ CLST 1013 Intro to Classical Studies: Rome
- _____ COMM 1233 Media, Community and Citizenship
- _____ ENGL 1213 Introduction to Literature
- _____ GNST 2003 Intro to Gender Studies
- _____ HUMN 1124H Honors Equilibrium of Cultures
- _____ HUMN 2124H Honors 20th Century Global Culture
- _____ MUSY 2003 Music in World Cultures
- _____ PHIL2003 Introduction to Philosophy
- _____ PHIL 2103 Introduction to Ethics
- _____ PHIL 2203 Logic
- _____ PHIL 3103 Ethics and the Professions
- _____ WLIT 1113 World Literature
- _____ WLIT 1123 World Literature II
- _____ Any Intermediate I Foreign Language

SOCIAL SCIENCES (9 hrs)

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| _____ AGEC 1103 | _____ AGEC 2103 | _____ COMM 1023 |
| _____ ANTH 1023 | _____ ECON 2013 | _____ ECON 2023 |
| _____ ECON 2143 | _____ GEOS 1123 | _____ GEOS 2003 |
| _____ HESC 1403 | _____ HESC 2413 | _____ HIST 1113 |
| _____ HIST 1123 | _____ HIST 2003 | _____ HIST 2013 |
| _____ HUMN 1114H | _____ HUMN 2114H | _____ PLSC 2003 |
| _____ PLSC 2013 | _____ PLSC 2203 | _____ PSYC 2003 |
| _____ RESM 2853 | _____ HESC 2603 | |

DEPARTMENTAL REQUIREMENTS (29-30 hrs)

ENVIRONMENTAL SCIENCE CORE (11 hrs, required)

- _____ CSES 2203 Soil Science (FA, SP, MATH 1203, CHEM 1103 or CHEM 1074)
- _____ CSES 2201L Soil Science Lab (FA, co-req CSES 2203)
- _____ ENSC 1003 Environmental Science (FA, SP))
- _____ ENSC 1001L Environmental Science Lab (FA, SP)
- _____ ENSC 3003 Introduction to Water Science (SP, MATH 1203, ENSC 1003 or other science (see syllabus))

Select 2nd SOIL SCIENCE core (3-4 hrs)

- _____ CSES 3214 Soil Resources w/Lab Component (SP odd, CSES 2203, CSES 4224 Soil Fertility w/Lab Component (FA, CSES 2203, CHEM 1123/1121L or CHEM 1073/1071L and CHEM 2613/2611L)
- _____ CSES 4253 Soil Classification & Genesis w/Lab Component (FA odd, CSES 2203/2201L)
- _____ ENSC 4263 Env. Soil Science (SP even, CSES 3214, PHYS 2013/2011L)

Select 2nd WATER SCIENCE core (3 hrs)

- _____ ENSC 4023 Water Quality (FA, CHEM 1123/1121L, BIOL 1543/1541L)
- _____ GEOS 3333 Oceanography (SP Even, junior standing)
- _____ GEOS 4033 Hydrogeology w/Lab Component (SP, MATH 2564, MATH 2043, GEOL 3513/3511L)

NATURAL RESOURCES CORE

(Select 12 credit hours from the following 2 groups)

ENVIRONMENTAL SCIENCE

- _____ AGME 3153 Surveying in Agriculture and Forestry (FA)
- _____ CSES 2013 Pest Management (SP)
- _____ CSES 355V Soil Profile Descriptions (FA, 1 credit, may take twice)
- _____ CSES 4553 Wetland Soils (SP odd, CSES 2203, CSES 2201L or CSES 355V)
- _____ CSES 462V Internship (SP, SU, FA, Jr. standing, 1-6 credit hours)
- _____ ENSC 3103 Plants & Environmental Restoration (FA, CSES 1203 or HORT 2003 or BIOL 1613)
- _____ ENSC 3263 Env. Soil & Water Conservation (FA, CSES 2203)
- _____ ENSC 3603 GIS for Environmental Science (SP odd, CSES 2203)
- _____ ENSC 4034 Analysis of Environmental Contaminants w/Lab Component (SP even CHEM 2613/2611L or higher CHEM))
- _____ ENSC 4021L Water Quality Lab (FA, ENSC 4023)
- _____ ENSC 4401 Professional Certification Preparation (SP)
- _____ GEOS 3043 Conserv. Natural Resources (FA, SP, SU, Jr. Standing)
- _____ GEOS 3543 Geographic Information Science (FA, SP, online)

ENVIRONMENTAL STUDIES (maximum of 6 hours)

- _____ AGECE 3413 Principles of Environmental Economics (SP, AGECE 1103 or ECON 2023)
- _____ AGECE 3503 Agricultural Law (FA)
- _____ AGECE 3523 Environmental and Natural Resources Law (SP, even)
- _____ ENSC 3933 Environmental Ethics (SP odd, ENSC 1003 or PHIL 2003 or PHIL 2103, same as PHIL 3113)
- _____ SOCI 4603 Environmental Sociology (SP)

GENERAL ELECTIVES (16 - 17 hrs)

- UNIV 1001__ University Perspectives

OTHER REQUIREMENTS FOR B.S. DEGREE:

- 120 total semester hours of which:
 - 9 hrs outside the Departmental Alpha Codes within the Bumpers College
 - 36 semester hours in upper division courses
 - no more than 25% (31 hrs) of D grades
 - 2.00 GPA