

DEPARTMENT OF CROP, SOIL, AND ENVIRONMENTAL SCIENCES
Check Sheet for Environmental Soil and Water Science Major (ESWSBS)
2005 - 2006

STUDENT _____

STUDENT'S ID _____

ADVISOR _____

COMMUNICATIONS (12-15 hrs)

- ___ ENGL 1013
- ___ ENGL 1023
- ___ ENGL 2003, unless exempt
- ___ COMM 1313
- ___ CSES 3023 (FA) or a 3 hr course in written and oral comm.

US HISTORY OR GOVERNMENT (3 hrs)

- ___ HIST 2003 or ___ HIST 2013 or ___ PLSC 2003

MATHEMATICS AND STATISTICS (6 hrs)

- ___ MATH 2043 Survey of Calculus (MATH 1203)
- ___ AGST 4023 or ___ STAT 2303 or ___ STAT 2023

PHYSICAL, CHEMICAL, AND BIOLOGICAL SCIENCES (35-36 hrs)

- ___ BIOL 1543 and ___ BIOL 1541L Principles of Biology
- ___ BIOL 3863 and ___ BIOL 3861L General Ecology
- OR
- ___ ENSC 3223 and ___ ENSC 3221L Ecosyst. Assessment(FA)
- ___ BIOL 1613 and ___ BIOL 1611L Plant Biology
- OR
- ___ 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 Physiological Chemistry
- ___ GEOL 1113 and ___ GEOL 1111L General Geology
- ___ BIOL 2013 and ___ BIOL 2011L General Microbiology
- ___ PHYS 2013 and ___ PHYS 2011L College Physics I (MATH 1213)

FINE ARTS AND HUMANITIES (6 hrs)

(choose 6 hrs from 2 of the following 4 areas)

- ___ ARCH 1003 ___ ARHS 1003
- ___ ARTS 1003 ___ COMM 1003
- ___ DANC 1003 ___ DRAM 1003
- ___ HUMN 1003 ___ LARC 1003
- ___ MLIT 1003
- OR
- ___ PHIL 2003 ___ PHIL 2103
- ___ PHIL 2203 ___ PHIL 3103
- OR
- ___ CLST 1003 ___ CLST 1013
- ___ HUMN 2124H ___ HUMN 1124H
- ___ WLIT 1113 ___ WLIT 1123
- OR
- ___ any foreign language 2003
- ___ HUMN 2003 ___ HUMN 3923H

SOCIAL SCIENCES (9 hrs)

- ___ AGECE 1103 ___ AGECE 2103
- ___ ANTH 1023 ___ ECON 2013
- ___ ECON 2023 ___ ECON 2143
- ___ GEOG 1123 ___ GEOG 2023
- ___ GEOG 2103 ___ GEOG 2203
- ___ HESC 1403 ___ HESC 2413
- ___ HIST 1113H ___ HIST 1123H
- ___ HIST 2003 ___ HIST 2013
- ___ HUMN 1114H ___ HUMN 2114H
- ___ PLSC 2003 ___ PLSC 2013
- ___ PLSC 2203 ___ PSYC 2003
- ___ RSOC 2603 ___ SOCI 2013
- ___ SOCI 2033 ___ WCIV 1003
- ___ WCIV 1013

PLEASE NOTE:

If you would like to become certified as an Associate Professional Soil Scientist, you must earn 15 credit hours of soil science and pass the Fundamentals of Soil Science Examination.

DEPARTMENTAL CORE (29 hrs)

ENVIRONMENTAL SCIENCE CORE (11 hrs, required)

- ___ CSES 1011 Introduction to CSES (FA)
- ___ ENSC 1003 Environmental Science (SP)
- ___ CSES 2203/2201L Soil Science w/Lab (FA, CHEM 1103)
- ___ ENSC 3003 Introduction to Water Science (FA, ENSC 1003 or other science (see syllabus), ENGL 1013)

Select 2nd SOIL SCIENCE course (3 hrs)

- ___ CSES 3214/3210L Soil Resources w/Lab (SP odd, CSES 2203)
- ___ CSES 4224/4220L Soil Fertility w/Lab (FA, CSES 2203)
- ___ CSES 4253/4250L Soil Classification & Genesis w/Lab (SP, CSES 2203)
- ___ ENSC 4263 Env. Soil Science (SP odd, CSES 3214)

Select 2nd WATER SCIENCE course (3 hrs)

- ___ ENSC 4023/4020L Water Quality w/Lab (FA, ENSC 3003)
- ___ GEOG 3333 Oceanography (SP, junior standing)
- ___ GEOL 4033/4030L Hydrogeology w/Lab (SP, MATH 2564, GEOL 3513)
- ___ BIOL 4814/4810L Limnology w/Lab (FA odd, CHEM 1123, 12 hrs BIOL)

Select 12 credit hours from at least 2 of the following 3 groups:

METHODS/TECHNIQUES IN ENVIRONMENTAL SCIENCE

- ___ CSES 355V Soil Profile Descriptions (FA, 1 credit, may take twice)
- ___ CSES/BENG 4803 Precision Ag. (FA odd, MATH 1213, stats, computer)
- ___ ENSC/CVEG 3253 Septic Systems (SP odd, CSES 2203 or CVEG 3213)
- ___ ENSC 3603 GIS for Environmental Science (SP odd, CSES 2203)
- ___ ENSC 4034 Analysis of Environmental Contaminants (SP even, CSES 2203, ENSC 3003)

ENVIRONMENT & SOCIETY

- ___ AGECE 3413 Principles of Environmental Economics (FA, AGECE 1103 or ECON2023)
- ___ AGECE 3503 Agricultural Law (SP)
- ___ ENSC/PHIL 3933 Environmental Ethics (SP odd, ENSC 1003 or PHIL 2003 or PHIL 2103)
- ___ RSOC/SOCI 4603 Environmental Sociology (SP)

NATURAL RESOURCE SYSTEMS/MANAGEMENT

- ___ CSES 2013 Pest Management (SP, CSES 1203, ANSC1032)
- ___ ENSC 3103 Plants & Environmental Restoration (FA, CSES 1203 or HORT 2003 or BIOL 1613)
- ___ ENSC 3263/ 3260L Env. Soil & Water Conservation w/Lab (SP, CSES 2203)

GENERAL ELECTIVES (20-21 hrs)

OTHER REQUIREMENTS FOR B.S. DEGREE:

- 124 total semester hours of which:
 - 9 hrs outside the Departmental Alpha Code (CSES) within the Bumpers College
 - 39 semester hours in upper division courses
 - no more than 68 lower division transfer hours
 - no more than 25% (31 hrs) of D grades
 - 30 semester hours in Bumpers College at UA
 - 2.00 GPA

Updated 4/5/05