

DEPARTMENT OF CROP, SOIL, AND ENVIRONMENTAL SCIENCES
Check Sheet for Environmental Soil and Water Science Major (ESWS-BS)
2004 - 2005

STUDENT _____

STUDENT'S ID _____

ADVISOR _____

COMMUNICATIONS (12-15 hrs)

- ___ ENGL 1013
- ___ ENGL 1023
- ___ ENGL 2003, unless exempt
- ___ COMM 1313
- ___ CSES 3023 (SP) 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
- ___ ENGL 2113 ___ ENGL 2123
- ___ HUMN 1114H ___ HUMN 1124H
- ___ WLIT 1113 ___ WLIT 1123
- OR
- ___ any foreign language 2003
- ___ HUMN 2003

SOCIAL SCIENCES (9 hrs)

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

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, CSES 2203)
- ___ CSES 4224/4220L Soil Fertility w/Lab (FA, CSES 2203)
- ___ CSES 4253 Soil Classification & Genesis (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 even, CSES 3003)
- ___ GEOG 3333 Oceanography (SP, junior standing)
- ___ GEOL 4033/4030L Hydrogeology w/Lab (SP, MATH 2564, GEOL 3513)
- ___ BIOL 4814/4810L Limnology/L (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 even, CSES 2203)
- ___ ENSC 4034 Analysis of Environmental Contaminants (SP odd, CSES 2203, CSES 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 even, ENSC 1003 or PHIL 2003 or PHIL 2103)
- ___ ENSC/AGECE 4413 Economics of Env. Mgmt. (SP odd, AGECE 1103 or ECON 2023, ISYS 2013 or AGST 4023 or STAT 2023, MATH 2053/C or MATH 2043, and ISYS 1121L)
- ___ RSOC/SOCI 4603 Environmental Sociology (SP)

NATURAL RESOURCE SYSTEMS/MANAGEMENT

- ___ CSES 2013 Pest Management (FA, 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 4/01/04