DEPARTMENT OF CROP, SOIL, AND ENVIRONMENTAL SCIENCES
Check Sheet for Environmental Soil and Water Science Major (ESWSBS)
2009 - 2010

STUDENT_____ STUDENT'S ID _____ ADVISOR _____

COMMUNICATIONS (12-15 hrs)
____ ENGL 1013
____ ENGL 1023
____ ENGL 2003, unless exempt
____ COMM 1313
____ CSES 3023 (FA, Jr or Sr.) or AGED 3142/3141L

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 2023 or ____ STAT 2303

PHYSICAL, CHEMICAL, AND BIOLOGICAL SCIENCES (35 -36 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 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
____ 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
___ DRAM 1003 Theater Lecture
___ LARC 1003 The American Landscape
___ MLIT 1003 Music Lecture

Category B: Humanities
Choose one from the following courses:
___ ARCH 1013 Diversity and Design
___ CLST 1003 Intro to Classical Studies: Greece
___ CLST 1013 Intro to Classical Studies: Rome
___ HUMN 1124H Honors Equilibrium of Cultures
___ HUMN 2124H Honors 20th Century Global Culture
___ HUMN 2003 Intro to Gender Studies
___ 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
___ FLAN 2003 Any Intermediate I Foreign Language

SOCIAL SCIENCES (9 hrs)

____ AGEC 1103	____ AGEC 2103
____ ANTH 1023	____ ECON 2013
____ ECON 2023	____ ECON 2143
____ GEOG 1123	____ GEOG 2003
____ GEOG 2023	____ HESC 1403
____ HESC 2413	____ HIST 1003
____ HIST 1013	____ 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

DEPARTMENTAL REQUIREMENTS (29-31 hrs)
ENVIRONMENTAL SCIENCE CORE (11 hrs, required)
____ CSES 1011 Introduction to CSES (FA, must have < 24 credits)
____ CSES 2203 Soil Science (FA, CHEM 1103 or CHEM 1074)
____ CSES 2201L Soil Science Lab (FA, co-req CSES/ENSC 2203)
____ ENSC 1003 Environmental Science (FA)
_____ ENSC 3003 Introduction to Water Science (FA, ENSC 1003 or other science (see syllabus) and ENGL 1023)

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)
_____ CSES 4253 Soil Classification & Genesis w/Lab Component (SP, CSES 2203)
____ CSES/ENSC 4263 Env. Soil Science (SP even, CSES 3214)

Select 2nd WATER SCIENCE core (3-4 hrs)
____ ENSC 4023 Water Quality w/Lab Component (FA, ENSC 3003)
____ GEOG 3333 Oceanography (SP, junior standing)
____ GEOL 4033 Hydrogeology w/Lab Component (SP, MATH 2564, GEOL 3513/3511L)
____ BIOL 4814 Limnology w/Lab Component (FA odd, CHEM 1123, 12 hrs BIOL)

NATURAL RESOURCES CORE
(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)
____ AGME 3153 Surveying in Agriculture and Forestry (FA)
____ ENSC 3603 GIS for Environmental Science (SP odd, CSES 2203)
_____ ENSC 4034 Analysis of Environmental Contaminants w/Lab Component (SP even, CSES 2203, ENSC 3003)

ENVIRONMENT & SOCIETY
_____ AGEC 3413 Principles of Environmental Economics (SP, AGEC 1103 or ECON 2023)
____ AGEC 3503 Agricultural Law (SP)
____ ENSC 3933 Environmental Ethics (SP odd, ENSC 1003 or PHIL 2003 or PHIL 2103, same as PHIL 3113)
____ RSOC/SOCI 4603 Environmental Sociology (SP)

ENVIRONMENTAL MANAGEMENT
____ CSES 2013 Pest Management (SP)
_____ ENSC 3103 Plants & Environmental Restoration (FA odd, CSES 1203 or HORT 2003)
____ ENSC 3263 Env. Soil & Water Conservation w/Lab Component (SP, CSES 2203)

GENERAL ELECTIVES (18-24 hrs)

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OTHER REQUIREMENTS FOR B.S. DEGREE:
124 total semester hours of which:
9 hrs outside the Departmental Alpha Codes 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

08/25/09

2009 - 2010