

**Dale Bumpers College of Agricultural, Food & Life Sciences**  
**8-SEMESTER DEGREE COMPLETION PROGRAM**  
**B.S.A. - Environmental, Soil and Water Science (ESWS)**  
**2010-2011**

ESWS Requirements: 12 hours Communication; 3 hours History; 6 hours Mathematics; 35-36 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 29-31 hours Departmental Core; 21-24 hours general electives.

**Bold** – Course meets University Core

Pre-requisites, co-requisites, or recommended courses are in parentheses.

Fall Semester Year 1	
Course	Hours
<b>ENGL 1013</b> Composition I	3
ENSC 1003 Environmental Science	3
CSES 1011 Introduction to CSES	1
<b>BIOL 1543/1541L</b> Principles of Biology and lab	4
<b>Social Sciences Core Elective</b>	3
<b>Fine Arts/Humanities Core Elective</b>	3
<b>Total Semester Hours</b>	<b>17</b>

Spring Semester Year 1	
Course	Hours
<b>ENGL 1023</b> Composition II (Pre-ENGL 1013)	3
CSES 1203 Introduction to Plant Sciences or BIOL 1613/1611L	3 - 4
<b>History Core Elective</b>	3
<b>Social Sciences Core Elective</b>	3
General Elective (Rec-MATH 1203 as pre-requisite for CHEM 1103 and MATH 2043 or could apply toward a minor)	3
<b>Total Semester Hours</b>	<b>15 - 16</b>

Fall Semester Year 2	
Course	Hours
GEOL 1113/1111L General Geology and lab	4
<b>CHEM 1103/1101L Chemistry I and lab</b> (Pre-math 1203)	4
COMM 1313 Fundamentals of Communications	3
<b>MATH 2043</b> Survey of Calculus (Pre-MATH 1203)	3
General Electives	3
<b>Total Semester Hours</b>	<b>17</b>

Spring Semester Year 2	
Course	Hours
CHEM 1123/1121L Chemistry II and lab (Pre-CHEM1103/1101L)	4
<b>Fine Arts/Humanities Core Elective</b>	3
<b>Social Sciences Core Elective</b>	3
ENSC 3003 Introduction to Water Science	3
General Elective (Rec-MATH 1213 as pre-requisite for PHYS 2013 or could apply toward a minor)	3
<b>Total Semester Hours</b>	<b>16</b>

Fall Semester Year 3	
Course	Hours
CSES 2203/2201L Soil Science w/lab (Pre- CHEM 1103)	4
PHYS 2013/2011L College Physics I w/lab (Pre-MATH 1213)	4
Water Science or Natural Resources Core (See courses for pre-requisites)	3
General Electives AFLS Broadening Electives (Could apply toward a minor) or CHEM 3603/3601L Organic Chemistry I (Pre-CHEM 1123/1121L)	3-4
<b>Total Semester Hours</b>	<b>14-15</b>

Spring Semester Year 3	
Course	Hours
BIOL 2013/2011L General Microbiology w/lab (Pre-BIOL 1543/1541L, two semesters of chemistry)	4
CHEM 2613/2611L Organic Physiological Chemistry w/lab (Pre-CHEM 1123/1121L) OR General Elective	3-4
Natural Resources Core (See courses for pre-requisites)	3-4
Water Science <b>OR</b> Soil Science Core (See courses for pre-requisites. For Water Science: Rec-ENCS 3003; Soil Science: Pre-at least CSES 2203)	3-4
<b>Total Semester Hours</b>	<b>13-16</b>

Fall Semester Year 4	
Course	Hours
CSES 3023 Colloquium or AGED 3142 & AGED 3141L	3
ENSC 3223/3221L Ecosystems Assessment w/lab (Pre-BIOL 1543/1541L, CSES 2003, ENSC 3003) <b>OR</b> BIOL 3863/3861L (Pre-7 hours of biological science)	4
Statistics <b>OR</b> Natural Resources Core (See courses for pre-requisites)	3
Soil Science or Natural Resources Core (See courses for pre-requisites)	3-4
Natural Resources Core <b>OR</b> General Elective (Could apply toward a minor)	3
<b>Total Semester Hours</b>	<b>16-17</b>

Spring Semester Year 4	
Course	Hours
Natural Resources Core (See courses for pre-requisites)	3
Statistics <b>OR</b> Natural Resources Core (See courses for pre-requisites)	3-4
General Elective <b>OR</b> Natural Resources Core (See courses for pre-requisites)	3
General Elective as Broadening Elective(Could apply toward a minor)	3
General Elective (May wish to take another elective. Could apply toward a minor.)	3
<b>Total Semester Hours</b>	<b>15-16</b>

**TOTAL HOURS 124**