

**Dale Bumpers College of Agricultural, Food & Life Sciences**  
**8-SEMESTER DEGREE COMPLETION PROGRAM**  
**B.S.A. - Environmental, Soil and Water Science (ESWS)**  
**2016-2017**

ESWS Requirements: 12 hours Communication; 3 hours History; 9 hours Mathematics; 35 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 29-30 hours Departmental Core; 16-17 hours general electives.

**Bold** – Course meets University Core

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

Fall Semester Year 1	
Course	Hours
ENGL 1013 Composition I, if exempt see adviser for communication courses	3
ENSC 1003/1001 Environmental Science & Lab	4
<b>BIOL 1543/1541L</b> Principles of Biology and lab	4
<b>MATH 1203</b>	3
UNIV 1001 University Perspectives	1
<b>Total Semester Hours</b>	<b>15</b>

Spring Semester Year 1	
Course	Hours
ENGL 1023 Composition II (Pre-ENGL 1013), if exempt see adviser for communication courses	3
CSES 1203 Introduction to Plant Sciences	3
<b>CHEM 1103/1101L Chemistry I and lab</b> (Pre-math 1203)	4
<b>Social Sciences Core Elective</b>	3
<b>Fine Arts/Humanities Core Elective</b>	3
<b>Total Semester Hours</b>	<b>16</b>

Fall Semester Year 2	
Course	Hours
GEOS 1113/1111L General Geology and lab	4
<b>History Core Elective</b>	3
COMM 1313 Fundamentals of Communications	3
<b>MATH 1213</b> Plane Trig (or higher level MATH if ACT ≥26)	3
General Elective as Broadening Elective (Could apply toward a minor)	3
<b>Total Semester Hours</b>	<b>16</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 (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 (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)	4
<b>Social Sciences Core Elective</b>	3
Water Science <b>OR</b> Soil Science Core (See courses for pre-requisites. For Water Science: Rec-ENSC 3003; Soil Science: Pre-at least CSES 2203)	3-4
<b>Total Semester Hours</b>	<b>14-15</b>

Fall Semester Year 4	
Course	Hours
CSES 3023 Colloquium or AGED 3143	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) <b>OR</b> General Elective	3
Statistics <b>OR</b> Natural Resources Core (See courses for pre-requisites)	3
General Elective <b>OR</b> Natural Resources Core (See courses for pre-requisites)	3
General Elective as Broadening Elective (Could apply toward a minor)	2-3
General Elective (Could apply toward a minor)	2-3
<b>Total Semester Hours</b>	<b>13-15</b>

**TOTAL HOURS** **120**