**Dale Bumpers College of Agricultural, Food & Life Sciences**

**8-SEMESTER DEGREE COMPLETION PROGRAM**

***B.S.A. - Environmental, Soil, and Water Science (ESWS)***

***2019-2020***

ESWS Requirements: 1 hour University Perspectives; 12 hours Communication; 3 hours History; 6 hours Mathematics; 35 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 32-33 hours Departmental Core; 16-17 hours general electives.

**Bold –** Course meets University Core

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

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| **Fall Semester Year 1** |  | **Spring Semester Year 1** |
| **Course** | **Hours** |  | **Course** | **Hours** |
| **ENGL 1013** Composition I (see adviser for comm course if exempt) | 3 |  | **Fine Arts/Humanities Core Elective**  | 3 |
| **ENSC 1003/1001** Environmental Science & Lab | 4 |  | **ENGL 1023** Composition II (see adviser for comm course if exempt) | 3 |
| **BIOL 1543/1541L** Principles of Biology and lab | 4 |  | CSES 1203 Introduction to Plant Sciences  | 3 |
| **MATH 1203** College Algebra | 3 |  | **Social Sciences Core Elective**  | 3 |
| UNIV 1001 University Perspectives  | 1 |  | **CHEM 1103/1101L** Chemistry I and lab (Pre- MATH 1203) | 4 |
| **Total Semester Hours**  | **15** |  | **Total Semester Hours** | **16** |
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| **Fall Semester Year 2** |  | **Spring Semester Year 2** |
| **Course** | **Hours** |  | **Course** | **Hours** |
| General Elective as Broadening Elective (Could apply toward a minor) | 3 |  | **CHEM 1123/1121L** Chemistry II and lab (Pre- CHEM1103/1101L) | 4 |
| GEOS 1113/1111L General Geology and lab | 4 |  | **Fine Arts/Humanities Core Elective** | 3 |
| **History Core Elective** | 3 |  | **Social Sciences Core Elective** | 3 |
| COMM 1313 Fundamentals of Communications | 3 |  | ENSC 3003 Introduction to Water Science | 3 |
| **MATH 1213** Plane Trigonometry or higher | 3 |  | AGME 2903 AGRI & HESC Applications of Microcomputers | 3 |
| **Total Semester Hours** | **16** |  | **Total Semester Hours** | **16** |
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| **Fall Semester Year 3** |  | **Spring Semester Year 3** |
| **Course** | **Hours** |  | **Course** | **Hours** |
| CSES 2203/2201L Soil Science w/lab (Pre- CHEM 1103) | 4 |  | BIOL 2013/2011L General Microbiology w/lab (Pre-BIOL 1543/1541L & two semesters of chemistry) | 4 |
| PHYS 2013/2011L College Physics I w/lab (Pre- MATH 1213) | 4 |  | CHEM 2613/2611L Organic Physiological Chemistry w/lab (Pre-CHEM 1123/1121L) | 4 |
| Water Science or Natural Resources Core (See courses for pre-reqs) | 3 |  | **Social Sciences Core Elective** | 3 |
| General Electives AFLS Broadening Electives (Could apply toward a minor) **or** CHEM 3603/3601L Organic Chemistry (Pre-CHEM 1123/1121L) | 3-4 |  | Water Science **OR** Soil Science Core (See courses for pre-reqs). For Water Science: Rec- ENSC 3003 & Soil Science: Pre- CSES 2203) | 3-4 |
| **Total Semester Hours** | **14-15** |  | **Total Semester Hours** | **14-15** |
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| **Fall Semester Year 4** |  | **Spring Semester Year 4** |
| **Course** | **Hours** |  | **Course** | **Hours** |
| CSES 3023 Colloquium **or** AGED 3143 Communicating Agriculture to the Public | 3 |  | Natural Resources Core (See courses for pre-requisites) **or** General Elective | 3 |
| ENSC 3223/3221L Ecosystems Assessment w/lab (Pre-BIOL 1543/1541L, CSES 2003, ENSC 3003) **or** BIOL 3863/3861L (Pre- 7 hours of biological science) | 4 |  | Statistics **OR** Natural Resources Core (See courses for pre-requisites) | 3 |
| Statistics **or** Natural Resources Core (See courses for pre-requisites) | 3 |  | General Elective | 3 |
| Soil Science or Natural Resources Core (See courses for pre-requisites) | 3-4 |  | General Elective as Broadening Elective (Could apply toward a minor) | 2-3 |
| Natural Resources Core **OR** General Elective (Could apply toward a minor) | 3 |  | General Elective (Could apply toward a minor) | 2-3 |
| **Total Semester Hours**  | **16-17** |  | **Total Semester Hours** | **13-15** |

 **TOTAL HOURS 120**