

DEPARTMENT OF CROP, SOIL, AND ENVIRONMENTAL SCIENCES
Check Sheet for Crop Science Major (CPSCBS)
2018 – 2019

STUDENT _____ STUDENT'S ID _____ ADVISOR _____

ENGLISH/COMMUNICATIONS (15 hrs)

- ___ ENGL 1013, if exempt see adviser for communication courses
- ___ ENGL 1023, if exempt see adviser for communication courses
- ___ ENGL 2003 or ENGL 3053
- ___ COMM 1313
- ___ CSES 3023 CSES Colloquium (FA, JR or SR, COMM 1313)

US HISTORY OR GOVERNMENT (3 hrs)

- ___ HIST 2003 or ___ HIST 2013 or ___ PLSC 2003

MATHEMATICS and COMPUTER SCIENCE (6 hrs)

- ___ MATH 1203
- ___ AGME 2903 or ___ AGST 4023 or ___ STAT 2303

PHYSICAL AND BIOLOGICAL SCIENCES (18-19 hrs)

- ___ BIOL 1543 and ___ BIOL 1541L
- ___ BIOL 1613 and ___ BIOL 1611L or ___ CSES 1203
- ___ BIOL 4303 or ___ ANSC/POSC 3123 or ___ BIOL 2323
- ___ CHEM 1103 and ___ CHEM 1101L
- or ___ CHEM 1073 and ___ CHEM 1071L
- ___ CHEM 2613 and ___ CHEM 2611L (CHEM 1073/1071L or CHEM 1123/1121L)

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
- ___ ENGL 2023 Creative Writing I
- ___ HUMN 2114H Honors Birth of Modern Culture 1600-1900
- ___ LARC 1003 The American Landscape
- ___ MLIT 1003 Experiencing Music
- ___ MLIT 1013 Music and Society
- ___ THTR 1003 Theater Appreciation
- ___ THTR 1013 Music Theater Appreciation

Category B: Humanities

Choose one from the following courses:

- ___ AAST 2023 The African American Experience
- ___ ARCH 1013 Diversity and Design
- ___ CLST 1003 Intro to Classical Studies: Greece
- ___ CLST 1013 Intro to Classical Studies: Rome
- ___ COMM 1233 Media, Community and Citizenship
- ___ ENGL 1213 Intro to Literature
- ___ GNST 2003 Intro to Gender Studies
- ___ HUMN 1124H Honors Equilibrium of Cultures
- ___ HUMN 2124H Honors 20th Century Global Culture
- ___ MUSY 2003 Music in World Cultures
- ___ 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 Agricultural Economics (required)

(choose 6 hrs from the following; 3 hrs must be outside AGEC/ECON)*

- | | | |
|----------------|---------------|----------------|
| ___ AGEC 2103* | ___ ANTH 1023 | ___ COMM 1023 |
| ___ ECON 2013 | ___ ECON 2023 | ___ ECON 2143 |
| ___ GEOS 1123 | ___ GEOS 2003 | ___ HESC 1403 |
| ___ HESC 2413 | ___ HIST 1113 | ___ HIST 1123 |
| ___ HIST 2003 | ___ HIST 2013 | ___ HUMN 1114H |
| ___ HUMN 2114H | ___ PLSC 2003 | ___ PLSC 2013 |
| ___ PLSC 2203 | ___ PSYC 2003 | ___ RESM 2853 |
| ___ HESC 2603 | ___ SOCI 2013 | ___ SOCI 2033 |

DEPARTMENTAL CORE (26 hrs)

GENERAL AGRONOMY

(these 18 hrs are required)

- ___ CSES 2103 and ___ CSES 2101L Crop Science & lab (SP)
- ___ CSES 2203 and ___ CSES 2201L Soil Science & lab (FA, SP, MATH 1203, CHEM 1074 or 1103)
- ___ CSES 4013 Advanced Crop Science (FA, CSES 2103)
- ___ CSES 4224 Soil Fertility w/Lab Component (FA, CSES 2203/2201L, CHEM 1123/1121L or CHEM 1073/1071L and CHEM 2613/2611L)
- ___ CSES 462V Internship (Jr standing) or CSES 400V Special Problems (3 hrs)

Select 8 hours from the following two groups, at least 6 hours from Group A

GROUP A

- ___ CSES 3112 Forage Management (SP-E, CSES 1203 or CSES 2103)
- ___ CSES 3312 Cotton Production (FA-E, CSES 1203 or CSES 2103)
- ___ CSES 3322 Soybean Production (SP-O, CSES 1203 or CSES 2103)
- ___ CSES 3332 Rice Production (FA-O, CSES 1203 or CSES 2103)
- ___ CSES 3342 Cereal Grain Production (SP-E, CSES 1203 or CSES 2103)

GROUP B

- ___ CSES 3214 Soil Res & Nutrient Cycles with lab (SP-O, CSES 2203, BIOL 2013/2011L)
- ___ CSES 355V Soil Profile Descriptions (1-2 hrs) (FA)
- ___ CSES 400V Special Problems (1-6 hrs)
- ___ CSES 4103 Plant Breeding with lab (FA-E, ANSC 3123, or BIOL 2323)
- ___ CSES 4303 Bioenergy Feedstock Prod (SP, MATH 1203 and BIOL 1543 or CSES 1203)
- ___ CSES 4253 Soil Classification and Genesis (FA-O, CSES 2203 and CSES 2201L)
- ___ ENSC 3103 Plants & Env. Restoration (FA, CSES 1203 or HORT 2003 or BIOL 1613)
- ___ ENSC 3263 Soil and Water Conservation (FA, CSES 2203)
- ___ HORT 2303 Intro to Turfgrass Management (FA)
- ___ PLPA 4333 Biotechnology in Agriculture (FA)

PEST MANAGEMENT (10 hrs)

- ___ ENTO 3013 Introduction to Entomology (FA) (BIOL 1543/1541L)
- ___ PLPA 3004 Principles of Plant Pathology (FA)
- ___ CSES 4133 Ecol & Morph of Weedy/Invasive Species (FA, CSES 2103 or HORT 2003) or ___ CSES 4143 Prin. of Weed Control with lab (SP) (CHEM 1073/1071L)

Select 9 hours from Group C or 12 hours from Group D for minor
Students must declare minor with the Bumpers College Dean's office.

GROUP C (Pest Management)

- ___ CSES 4133 Ecol & Morph of Weedy/Invasive Species (FA, CSES 2103 or HORT 2003) or ___ CSES 4143 Principles of Weed Control (SP, CHEM 1073/1071L)
- ___ PLPA 4223 Plant Disease Control with lab (FA, PLPA 3004)
- ___ ENTO 4123 Insect Pest Management (SP-O, ENTO 3013) or ___ ENTO 4133 Advanced Applied Entomology with lab (SP-E, ENTO 3013)

GROUP D (Agricultural Business)*

- ___ AGEC 2303 Introduction Agribusiness (SP, FA, AGEC 1103 or ECON 2023)
 - ___ AGEC 3403 Farm Business Mgmt (FA, AGEC 1103 or ECON 2023, AGEC 2142, and AGME 2903)
- (choose 6 hours from the following)
- ___ AGEC 3303 Food & Agri Mktg (SP, SU, FA, AGEC 1103 or ECON 2023)
 - ___ AGEC 3413 (SP, AGEC 1103 or ECON 2023)
 - ___ AGEC 3373 (SP, AGEC 1103 or ECON 2023)
 - ___ AGEC 4313 (FA, AGEC 2142 and AGEC 2141L or AGEC 2143., and AGEC 2303)
 - ___ 3 hours controlled elective hours from approved list in AGBS-Minor

GENERAL ELECTIVES (14-18 hrs)

- ___ UNIV 1001 University Perspectives

OTHER REQUIREMENTS FOR B.S.A. DEGREE:

120 total semester hours of which:
 9 hrs outside the Departmental Alpha Code (CSES) within the Bumpers College
 36 semester hours in upper division courses
 2.00 GPA

*Students minoring in Agricultural Business should choose AGEC 2103 in the SOCIAL SCIENCES block and will need to select another course in the list of AGBS-M Controlled Electives (as part of the General Electives for the CPSC major) to fulfill the requirements for the minor.

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2019 – 2020

STUDENT _____ STUDENT'S ID _____ ADVISOR _____

ENGLISH/COMMUNICATIONS (15 hrs)

- ___ ENGL 1013, if exempt see adviser for communication courses
- ___ ENGL 1023, if exempt see adviser for communication courses
- ___ ENGL 2003 or ENGL 3053
- ___ COMM 1313
- ___ CSES 3023 CSES Colloquium (FA, JR or SR, COMM 1313)

US HISTORY OR GOVERNMENT (3 hrs)

- ___ HIST 2003 or ___ HIST 2013 or ___ PLSC 2003

MATHEMATICS and COMPUTER SCIENCE (6 hrs)

- ___ MATH 1203
- ___ AGME 2903 or ___ AGST 4023 or ___ STAT 2303

PHYSICAL AND BIOLOGICAL SCIENCES (18-23 hrs)

- ___ BIOL 1543 and ___ BIOL 1541L
- ___ BIOL 1613 and ___ BIOL 1611L or ___ CSES 1203
- ___ BIOL 4303 or ___ ANSC/POSC 3123 or ___ BIOL 2323
- ___ CHEM 1103 and ___ CHEM 1101L and
- ___ CHEM 1123 and ___ CHEM 1121L
- or ___ CHEM 1073 and ___ CHEM 1071L
- ___ CHEM 2613 and ___ CHEM 2611L (CHEM 1073/1071L or CHEM 1123/1121L)

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
- ___ ENGL 2023 Creative Writing I
- ___ HUMN 2114H Honors Birth of Modern Culture 1600-1900
- ___ LARC 1003 The American Landscape
- ___ MLIT 1003 Experiencing Music
- ___ MLIT 1013 Music and Society
- ___ THTR 1003 Theater Appreciation
- ___ THTR 1013 Music Theater Appreciation

Category B: Humanities

Choose one from the following courses:

- ___ AAST 2023 The African American Experience
- ___ ARCH 1013 Diversity and Design
- ___ CLST 1003 Intro to Classical Studies: Greece
- ___ CLST 1013 Intro to Classical Studies: Rome
- ___ COMM 1233 Media, Community and Citizenship
- ___ ENGL 1213 Intro to Literature
- ___ GNST 2003 Intro to Gender Studies
- ___ HUMN 1124H Honors Equilibrium of Cultures
- ___ HUMN 2124H Honors 20th Century Global Culture
- ___ MUSY 2003 Music in World Cultures
- ___ PHIL 2003 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
- ___ Any Intermediate I Foreign Language

SOCIAL SCIENCES (9 hrs)

- ___ AGECE 1103 Agricultural Economics (required)
- (choose 6 hrs from the following; 3 hrs must be outside AGECE/ECON)*
- ___ AGECE 2103* ___ ANTH 1023 ___ COMM 1023
- ___ ECON 2013 ___ ECON 2023 ___ ECON 2143
- ___ GEOS 1123 ___ GEOS 2003 ___ HDFS 1403
- ___ HDFS 2413 ___ HIST 1113 ___ HIST 1123
- ___ HIST 2003 ___ HIST 2013 ___ HUMN 1114H
- ___ HUMN 2114H ___ PLSC 2003 ___ PLSC 2013
- ___ PLSC 2203 ___ PSYC 2003 ___ RESM 2853
- ___ HDFS 2603 ___ SOCI 2013 ___ SOCI 2033

DEPARTMENTAL CORE (36 hrs)

GENERAL AGRONOMY

Required Courses (18 hrs):

- ___ CSES 2103 and ___ 2201L Crop Science & lab (SP)
- ___ CSES 2203 and ___ CSES 2201L Soil Science & lab (FA, SP, MATH 1203, CHEM 1074 or 1103)
- ___ CSES 4013 Advanced Crop Science (FA, CSES 2103, CSES 2203)
- ___ CSES 4224 Soil Fertility w/Lab Component (FA, CSES 2203/2201L, CHEM 1123/1121L or CHEM 1073/1071L and CHEM 2613/2611L)
- ___ CSES 462V Internship (Jr standing) or CSES 400V Special Prob.** (3 hrs)

Select at least 8 hours from the following two groups, at least 6 hours from Group A

GROUP A

- ___ CSES 3112 Forage Management (SP-E, CSES 1203 or CSES 2103)
- ___ CSES 3312 Cotton Production (FA-E, CSES 1203 or CSES 2103)
- ___ CSES 3322 Soybean Production (SP-O, CSES 1203 or CSES 2103)
- ___ CSES 3332 Rice Production (FA-O, CSES 1203 or CSES 2103)
- ___ CSES 3342 Cereal Grain Production (SP-E, CSES 1203 or CSES 2103)

GROUP B

- ___ CSES 3214 Soil Res & Nutrient Cycles with lab (SP-O, CSES 2203, BIOL 2013/2011L)
- ___ CSES 355V Soil Profile Descriptions (1-2 hrs) (FA)
- ___ CSES 400V Special Problems (1-6 hrs)
- ___ CSES 4103 Plant Breeding with lab (FA-E, ANSC 3123, or BIOL 2323)
- ___ CSES 4303 Bioenergy Feedstock Prod (SP, MATH 1203 and BIOL 1543 or CSES 1203)
- ___ CSES 4253 Soil Classification and Genesis (FA-O, CSES 2203 and CSES 2201L)
- ___ ENSC_3103 Plants & Env. Restoration (FA, CSES 1203 or HORT 2003 or BIOL 1613)
- ___ ENSC 3263 Soil and Water Conservation (FA even, CSES 2203)
- ___ HORT 2303 Intro to Turfgrass Management (FA)
- ___ PLPA 4333 Biotechnology in Agriculture (FA)

PEST MANAGEMENT (10 hrs)

- ___ ENTO 3013 Introduction to Entomology (FA) (BIOL 1543/1541L)
- ___ PLPA 3004 Principles of Plant Pathology (FA)
- ___ CSES 4133 Ecol & Morph of Weedy/Invasive Species (FA, CSES 2103 or HORT 2003) or ___ CSES 4143 Prin. Weed Control & lab (SP) (CHEM1073/1071L)

CPSC Requirements

Select one group (C-G) for CPSC Requirements (9-12 hours). Courses selected within major cannot be taken for duplicate credit. Students who wish to declare a minor must contact the Bumpers College Dean's Office. No more than 9 credit hours of courses selected within major can be taken for duplicate credit in applying toward a minor associated with CPSC Requirements Groups C-G.

GROUP C - Pest Management (9 hours)

- ___ CSES 4133 Ecol & Morph of Weedy/Invasive Species (FA, CSES 2103 or HORT 2003) or ___ CSES 4143 Principles of Weed Control (SP, CHEM 1073/1071L)
- ___ PLPA 4223 Plant Disease Control with lab (FA, PLPA 3004)
- ___ ENTO 4123 Insect Pest Management (SP-O, ENTO 3013) or ___ ENTO 4133 Advanced Applied Entomology with lab (SP-E, ENTO 3013)

GROUP D - Agricultural Business (12 hours)*

- ___ AGECE 2303 Introduction Agribusiness (SP, FA, AGECE 1103 or ECON 2023)
- ___ AGECE 3403 Farm Business Mgmt (FA, AGECE 1103 or ECON 2023, AGECE 2142, and AGME 2903)
- ___ 3 hours core elective hours from approved list in AGBS-Minor
- ___ 3 hours controlled elective hours from approved list in AGBS-Minor

GROUP E - Crop Biotechnology (10 hours)

- ___ CSES 402V Special Topics, (2 2-hour courses taken in two different semesters) (Irregular)
- ___ PLPA 4333 Biotechnology in Agriculture (FA)
- Choose 6 hours from the following:
- ___ BIOL 4303 Plant Physiology (FA, BIOL 2533 or CHEM 3813 or CHEM 5843)
- ___ CHEM 3813 Introduction to Biochemistry (SP, SU, FA, CHEM 3613/3611L or CHEM 3613H/3612M or CHEM 3713/3712L or CHEM 2613/2611L)
- ___ CSES 4103 Plant Breeding (FA even, ANSC/POSC 3123 or BIOL 2323)

See page 2 for additional options and electives

DEPARTMENT OF CROP, SOIL, AND ENVIRONMENTAL SCIENCES
Check Sheet for Crop Science Major (CPSCBS)
2019 – 2020

STUDENT _____ STUDENT'S ID _____ ADVISOR _____

GROUP F - Soil Science (9-10 hours)

- ___ CSES 3214/3210L Soil Resources and Nutrient Cycles with Laboratory (SP odd)
- ___ ENSC 3263 Soil & Water Conservation (FA even)
- ___ CSES 355V Soil Profile Description (FA, 1 hour, may take twice for credit)
- ___ CSES 4253 Soil Classification and Genesis (FA odd)
- ___ ENSC 4263 Environmental Soil Science (SP even)
- ___ ENSC 4401 Professional Certification Preparation (Soils exam, SP even)
- ___ CSES 4553 Wetland Soils (SP odd)

GROUP G - Natural Resources Management (9 hours)

- ___ ENSC 1001L Environmental Science Laboratory (FA, SP)
 - ___ ENSC 1003 Environmental Science (FA, SP)
- AND at least 5 hr from the following:
- ___ ENSC 3003 Introduction to Water Science (SP, MATH 1203, ENSC 1003 or other sci.)
 - ___ AGEC/ENSC 3413 Principles of Environmental Economics (SP, AGEC 1103 or ECON 2023)
 - ___ AGEC 3503 Agricultural Law I (FA)
 - ___ AGEC 3523 Environmental and Natural Resources Law (SP even)
 - ___ BIOL 3861L General Ecology Lab (FA, BIOL 3863)
 - ___ BIOL 3863 General Ecology (SP, FA - 7 hours of biological sciences)
 - ___ CSES 4133 Ecology and Morphology of Weedy and Invasive Species (FA, CSES 2103 (or HORT 03) and CSES 2003).
 - ___ CSES 4553 Wetland Soils (SP odd, CSES 2203)
 - ___ CSES 462V Internship
 - ___ ENSC 3003 Introduction to Water Science (SP, MATH 1203, ENSC 1003 or other sci.)**
 - ___ ENSC 3103 Plants and Environmental Rstoration (FA, CSES 1203, BIOL 1613, HORT 2003)
 - ___ ENSC 3223 Ecosystem Assessment (FA even, BIOL 1543)
 - ENSC 3263 Soil and Water conservation (FA even)
 - ___ ENSC 3603 GIS for Environmental Science (SP odd, CSES 2203)
 - ___ ENSC 4021L Water Quality Laboratory (FA, CHEM 1123/1121L, BIOL 1543/1541L)
 - ___ ENSC 4023 Water Quality (FA, pre or co-req ENSC 4023)
 - ___ ENSC 4034 Analysis of Environmental Contaminants w/Lab (SP even, pre or co-req CHEM 2613)
 - ___ ENSC 4263 Environmental Soil Science (SP even, CSES 3214, PHYS 2013)
 - ___ ENSC 4401 Professional Certification (SP, junior or senior standing)
 - ___ GEOS 3043 Sustaining Earth (SP, SU, FA - Junior standing)
 - ___ GEOS 3543 Geographic Information Science (FA, SP, online)

OTHER REQUIREMENTS FOR B.S.A. DEGREE:

- 120 total semester hours of which:
 - 9 hrs outside the Departmental Alpha Code (CSES) within the Bumpers College
 - 36 semester hours in upper division courses
 - 2.00 GPA
- *Students minoring in Agricultural Business should choose AGEC 2103 in the Social Sciences block and will need to select another course in the list of AGBS-M Controlled Electives (as part of the General Electives for the CPSC major) to fulfill the requirements for the minor.
- **One 3-hr study abroad course, either Experiential Learning in Indian Agriculture (Jan) or Sustainability in the Eurozone Agro-Food Chain (May), which are both taken under AFLS 401V/401VH, or CSES 462V International Research Internship (summer) may be used in fulfilling the General Agronomy requirement.
- ***UNIV 1001 University Perspectives is required for new freshmen only.

GENERAL ELECTIVES (10-18 hours)

- ___ UNIV 1001 University Perspectives***
- _____
- _____
- _____
- _____
- _____

Dale Bumpers College of Agricultural, Food & Life Sciences
NINE-SEMESTER DEGREE COMPLETION PROGRAM
B.S.A. – Crop, Soil, and Environmental Sciences (CSES) – Crop Science (CPSCBS)
2018-2019

CSES Requirements: 15 hours Communication; 3 hours History; 6 hours Mathematics and Computer Science; 18-19 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 27 hours departmental core; 10 Pest Management; 9-12 hours Minor; 14-18 hours electives (1hr – UNIV 1001); **Bold** – Course meets University Core; Pre-requisites, co-requisites, or recommended courses are in parentheses.

Fall Semester Year 1		Spring Semester Year 1	
Course	Hours	Course	Hours
ENGL 1013 Composition I (see adviser for comm course if exempt)	3	CSES 2103/2101L Crop Science and lab	4
MATH 1203 College Algebra	3	CSES 1203 Plant Science or BIOL 1613/1611L Plant Biology and lab (Pre-BIOL 1543/1541L)	3-4
BIOL 1543/1541L Principles of Biology and lab	4	ENGL 1023 Comp II (Pre- ENGL 1013) (see adviser for comm course if exempt)	3
History Core Elective	3	COMM 1313 Fundamentals of Communication	3
UNIV 1001 University Perspectives	1	AGEC 1103 Agricultural Microeconomics (Pre- MATH 1203) <i>Required</i>	3
Total Semester Hours	14	Total Semester Hours	16-17
Fall Semester Year 2		Spring Semester Year 2	
Course	Hours	Course	Hours
CHEM 1103/1101L Univ Chemistry I and lab (Pre – MATH 1203) OR CHEM 1073/1071L Fundamentals of Chemistry	4	CHEM 2613/2611L Organic Physiological Chemistry and lab (Pre-CHEM 1073/1071L OR CHEM 1123/1121L OR CHEM 1123H/1121M)	4
ENGL 2003 Advanced Comp OR ENGL 3053 Technical & Report Writing	3	AGME 2903 AGRI & HESC Applications of Microcomputers OR AGST 4023 (Pre-MATH 1203 or equiv) OR STAT 2303 (pre-MATH 1203 OR MATH 1024 with C or better)	3
Social Science Core Elective	3	Social Science Core Elective	3
Fine Arts/Humanities Core Elective	3	Fine Arts/Humanities Core Elective	3
Select one (1) course from Group A or B on check sheet	2-3	Select one (1) course from Group A or B on check sheet	2-3
Total Semester Hours	15-16	Total Semester Hours	15-16
Fall Semester Year 3		Spring Semester Year 3	
Course	Hours	Course	Hours
PLPA 3004 Principles of Plant Pathology with lab	4	BIOL 2323 General Genetics (Pre-BIOL 1543/1541L & CHEM 1123/1121L OR CHEM 1223/1221L) & MATH 1203 OR STAT 2023) OR BIOL 4303 Plant Physiology (Pre-BIOL 2533 OR CHEM 3813 OR CHEM 5843) OR ANSC/POSC 3123 Principles of Genetics (Pre-BIOL 1543 and MATH 1203)	3
ENTO 3013 Intro to Entomology (Suggested Pre-BIOL 1543/1541L)	3	Select one course from Group A or B	2-3
Select 1 course from Group A or B on check sheet	2-3	Select one course from Group C or Group D for a minor	3
CSES 2203/2201L Soil Science & lab (Pre-MATH 1203 and CHEM 1073/1071L or 1103/1101L)	4	General Elective	6
General Elective (AGBS minors may wish to choose a course from the Controlled Electives in the minor)	3	Total Semester Hours	14-15
Total Semester Hours	16-17		
Summer Year 3			
Course	Hours		
CSES 462V Internship (Pre-junior standing) OR CSES 400V Special Problems	3		
Total Semester Hours	3		
Fall Semester Year 4		Spring Semester Year 4	
Course	Hours	Course	Hours
CSES 3023 CSES Colloquium (Pre- COMM 1313)	3	CSES 4013 Advanced Crop Science (Pre- CSES 2103)	3
CSES 4133 Ecology & Morphology of Weedy/Invasive Plants (Pre-CSES 2103 OR HORT 2003)	3	Select one course from Group C or two courses from Group D for a minor	3-6
CSES 4224 Soil Fertility with lab (Pre- CSES 2203/2201L and CHEM 1123/1121L or (CHEM 1073/1071L and CHEM 2613/2611L)	4	General Elective	7-8
Select 1 course from Group C or Group D for a minor	3	Total Semester Hours	13-17
Total Semester Hours	13		
		TOTAL HOURS	120

Dale Bumpers College of Agricultural, Food & Life Sciences
NINE-SEMESTER DEGREE COMPLETION PROGRAM
B.S.A. – Crop, Soil, and Environmental Sciences (CSES) – Crop Science (CPSCBS)
2019-2020

CSES Requirements: 15 hours Communication; 3 hours History; 6 hours Mathematics and Computer Science; 18-23 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 36 hours departmental core; 9-12 hours CPSC Specialization; 10-18 hours electives (1hr – UNIV 1001); **Bold** – Course meets University Core; Pre-requisites, co-requisites, or recommended courses are in parentheses.

Fall Semester Year 1		Spring Semester Year 1	
Course	Hours	Course	Hours
ENGL 1013 Composition I (see adviser for comm course if exempt)	3	CSES 2103/2101L Crop Science and lab	4
MATH 1203 College Algebra	3	CSES 1203 Plant Science or BIOL 1613/1611L Plant Biology and lab (Pre-BIOL 1543/1541L)	3-4
BIOL 1543/1541L Principles of Biology and lab	4	ENGL 1023 Comp II (Pre- ENGL 1013) (see adviser for comm course if exempt)	3
History Core Elective	3	COMM 1313 Fundamentals of Communication	3
UNIV 1001 University Perspectives	1	AGEC 1103 Agricultural Microeconomics (Pre- MATH 1203) <i>Required</i>	3
Total Semester Hours	14	Total Semester Hours	16-17
Fall Semester Year 2		Spring Semester Year 2	
Course	Hours	Course	Hours
CHEM 1103/1101L Univ Chemistry I and lab (Pre – MATH 1203) OR CHEM 1073/1071L Fundamentals of Chemistry	4	CHEM 1123/1121L Univ Chemistry II and lab (Pre – CHEM 1103) OR CHEM 2613/2611L Organic Physiological Chemistry and lab (Pre-CHEM 1073/1071L OR CHEM 1123/1121L OR CHEM 1123H/1121M)	4
ENGL 2003 Advanced Comp OR ENGL 3053 Technical & Report Writing	3	AGME 2903 AGRI & HESC Applications of Microcomputers OR AGST 4023 (Pre-MATH 1203 or equiv) OR STAT 2303 (pre-MATH 1203 OR MATH 1024 with C or better)	3
Social Science Core Elective	3	Social Science Core Elective	3
Fine Arts/Humanities Core Elective	3	Fine Arts/Humanities Core Elective	3
Select one (1) course from Group A or B on check sheet	2-3	Select one (1) course from Group A or B on check sheet	2-3
Total Semester Hours	15-16	Total Semester Hours	15-16
Fall Semester Year 3		Spring Semester Year 3	
Course	Hours	Course	Hours
CHEM 2613/2611L Organic Physiological Chemistry and lab (Pre-CHEM 1073/1071L OR CHEM 1123/1121L OR CHEM 1123H/1121M) OR General Elective (AGBS minors may wish to choose a course from the Controlled Electives in the minor)	4	BIOL 2323 General Genetics (Pre-BIOL 1543/1541L & CHEM 1123/1121L OR CHEM 1223/1221L) & MATH 1203 OR STAT 2023) OR	3
PLPA 3004 Principles of Plant Pathology with lab	4	BIOL 4303 Plant Physiology (Pre-BIOL 2533 OR CHEM 3813 OR CHEM 5843) OR ANSC/POSC 3123 Principles of Genetics (Pre-BIOL 1543 and MATH 1203)	3
ENTO 3013 Intro to Entomology (Suggested Pre-BIOL 1543/1541L)	3	Select one course from Group A or B	2-3
Select 1 course from Group A on check sheet	2	CPSC Requirement Elective	3
CSES 2203/2201L Soil Science & lab (Pre-MATH 1203 and CHEM 1073/1071L or 1103/1101L)	4	General Elective	6
Total Semester Hours	17	Total Semester Hours	14-15
Summer Year 3			
Course	Hours		
CSES 462V Internship (Pre-junior standing) OR CSES 400V Special Problems OR AFLS 401V Study Abroad	3		
Total Semester Hours	3		
Fall Semester Year 4		Spring Semester Year 4	
Course	Hours	Course	Hours
CSES 3023 CSES Colloquium (Pre- COMM 1313)	3	CSES 4013 Advanced Crop Science (Pre- CSES 2103)	3
CSES 4133 Ecology & Morphology of Weedy/Invasive Plants (Pre-CSES 2103 OR HORT 2003)	3	CPSC Requirement Elective	3-6
CSES 4224 Soil Fertility with lab (Pre- CSES 2203/2201L and CHEM 1123/1121L or (CHEM 1073/1071L and CHEM 2613/2611L)	4	General Elective (hours will depend on previous course choices; Course selections should result in semester total of 9-14 credit hours)	0-7
CPSC Requirement Elective	3		
Total Semester Hours	13	Total Semester Hours	9-13
		TOTAL HOURS	120