

Crop and Soil Sciences – Agronomy

Eight Semester Plan for Bachelor of Science degree in Crop and Soil Sciences
with a concentration in Agronomy (11CSSCBS-11CSSCAG)
Effective: July 2019

This plan outlines an ideal path for degree completion in four years. The plan assumes course availability as published in the NC State University Course Catalog. It does not reflect courses transferred to the university or credits earned through Advanced Placement. Questions related to this pathway can be directed to the cropsoil-undergraduate-office@ncsu.edu

FRESHMAN YEAR

FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ALS 103 Freshman Transitions & Diversity OR ALS 303 Transfer Transitions & Diversity	1	BIO 183 Intro. Biol: Cell. & Molec. Biol. <u>or</u> PB 200 Plant Life	4
BIO 181 Intro to Biology: Ecol, Evol, and Biodiversity	4	CH 101 Chemistry – A Molecular Science	3
CS 290 Professional Development in Plant and Soil Sciences	1	CH 102 General Chemistry Lab	1
ENG 101 Academic Writing and Research	4	COM 110 Public Speaking <u>or</u> COM 112 Interpersonal Communications	3
MA 121 Elements in Calculus	3	Physical Education/Healthy Living Elective ^E	1
Foundation Elective ¹	3	Restricted Elective ³	3
Total:	16	Total:	15

SOPHOMORE YEAR

FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ARE 201 Intro to Agricultural and Resource Economics	3	SSC 200 Soil Science	3
CS 213 Crops Science	3	SSC 201 Soil Science Laboratory	1
CS 214 Crop Science Laboratory	1	CH 220 Organic Chemistry	3
ST 311 Intro to Statistics	3	CH 222 Organic Chemistry I Lab	1
GEP Humanities Elective ^C	3	PB 321 Intro Whole Plant Physiology	3
Physical Education/Healthy Living Elective ^E	1	GEP Humanities Elective ^C	3
		GEP Interdisciplinary Perspectives Elective ^G	2
Total:	14	Total:	16

JUNIOR YEAR

FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
CS 414 Weed Science	4	CS 211 Plant Genetics	3
SSC 341 Soil Fertility & Nutrient Management	3	ENG 331 Comm for Engineering & Technology <u>or</u> ENG 332 Comm for Business & Management <u>or</u> ENG 333 Comm for Science & Research	3
Crop Production Elective ²	3	SSC 342 Soil & Plant Nutrient Analysis	1
Restricted Electives ³	6	Crop Production Elective ²	3
		Restricted Electives ³	6
Total:	16	Total:	16

SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
Experiential Learning Elective ⁴	3	CS 415 Integrated Pest Management	3
PY 131 Conceptual Physics	4	SSC 462 Soil-Crop Management Systems	3
Restricted Electives ³	2	GEP Additional Breadth Elective ^F	3
GEP Social Sciences Elective ^D	3	Free Electives	3
Free Electives	3		
Total: 15		Total: 12	

Minimum Credit Hours Required for Graduation * : 120

Major/Program Footnotes:

¹ Foundation Elective: Select from CS 224 or SSC 185.

² Crop Production Electives: Select from CS 216, CS 218 and CS 312.

³ Restricted Electives: Select from ACC 280, AES 323, ARE 215, ARE 303, ARE 304, ARE 306, ARE 309, ARE 311, ARE 312, ARE 323, ARE 332, ARE 336, BAE 325, BAE 435, CS 216, CS 218, CS 224, CS 230, CS 312, CS 411, CS 413, CS 418, CS 424, ET 425, GIS 280, PP 315, SSC 185, SSC 332, SSC 410, SSC 442, SSC 452, SSC 461, SSC 427, and SSC 440.

⁴ Experiential Learning Elective: Select from CSSC 492 or CSSC 493

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied.

University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. **Mathematical Sciences** (6 credit hours – one course with MA or ST prefix)
Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **These requirements are met through required courses. Students do not need to take additional math.**
- B. **Natural Sciences** (7 credit hours – include one laboratory course or course with a lab)
Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **These requirements are met through required courses. Students do not need to take additional science.**
- C. **Humanities** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement.
- D. **Social Sciences** (6 credit hours selected from two different disciplines/course prefixes)
Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **3 hours are met by the ARE 201 requirement; 3 hours are met by COM 112, if chosen.**
- E. **Physical Education/Healthy Living** (2 credit hours – at least one 100-level Fitness and Wellness Course)
Choose from the University approved GEP Physical Education/Healthy Living course list.
- F. **Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
X Humanities/Social Sciences/Visual and Performing Arts or _____ Mathematical Sciences/Natural Sciences/Engineering
- G. **Interdisciplinary Perspectives** (5-6 credit hours)
Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement. **3 hours are met by CS 224 or SSC 185 in the Foundation Elective requirement.**
- H. **Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements:

- I. **U.S. Diversity** (USD)
Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement.
- J. **Global Knowledge** (GK)
Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement.
- K. **Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.