

**AGRICULTURAL SCIENCES, CONCENTRATION—PLANT AND SOIL SCIENCE ACADEMIC MAP:
DEGREE BS (120 CREDIT HOURS)**

This degree map is a semester-by-semester course schedule for students majoring in [Agricultural Sciences with a concentration in Plant and Soil Science](#). The milestones listed to the right of each semester are designed to keep a student on track to graduate in four years. The schedule serves as a general guideline to help build a full schedule each semester. Milestones are courses and special requirements necessary for timely progress to complete a major. When one or more milestones are missed, students should consult with an academic advisor to determine if another degree path would be more suitable.

The concentration in Plant and Soil Science provides training in principles of plant physiology, breeding, pathology and general production of horticultural, woody ornamentals, food crops etc. Students also learn the application of biotechnology in sustainable crop production and environmental remediation. Students majoring in plant and soil science must gain upper division status before enrolling in upper division courses (3000 & 4000 levels). Students may be admitted to the upper division after completing at least 60 degree level lower division credits (as set out in the curriculum) with a minimum cumulative grade point average (GPA) of 2.0. It is the responsibility of the student to submit a formal petition to the department. Such petition will be reviewed by a departmental committee to ensure that all criteria have been met. Minimum grade of C is required for upper division major courses. Students who incur a probationary status are to repeat failed courses, or courses in which 'D's were earned, during the semester immediately following that in which the grades were earned. The College has a special program to assist students who are on probation. Please contact the Academic Coordinator for details.

Tennessee State University recognizes that students have diverse learning, life, and professional experiences. The University provides opportunities for students to earn college credit toward the degree through a number of assessment options that evaluate their learning experiences. These paths are grouped under the category "Prior Learning Assessment" (PLA). Various means of earning PLA credit at TSU are the following: Advance Placement Program, American Council of Education (ACE) Military Credit, American Council on Education (ACE) other Assessed Credit, College Level Exam Program (CLEP), DSST Credit by Examination Program (includes DANTES Examination), Institutional Course Challenge Exams (Departmental Exams), International Baccalaureate Credit, Other Military Service, Portfolio Assessment. To learn more about PLA contact your academic advisor or the Office of Student Support Services for Adult and Distance Learners (615) 963-7001.

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Department Web Address: http://www.tnstate.edu/agriculturalprograms/degrees/plant_soil.aspx

Fall Schedule		Milestones
Semester 1	Hrs.	Semester 1
ENGL 1010	3	Pre-Requisite Course: Must be taken before ENGL 1020, and HIST 2010, HIST 2020, HIST 2030, HIST 2050 or HIST 2700; Minimum grade "C" Required
Natural Science*	4	
MATH 1110	3	Pre-Requisite Course: Must be taken before MATH 1830
UNIV 1000**	1	
COMM 2200	3	
AGSC 1410	3	Pre-Requisite Course: Required for all Animal Science Courses; Minimum Grade of "C" Required
Total Hours	17	

*Natural Science- Students must have 8 semester hours which includes the appropriate lab. The recommended courses are: BIOL 1010/1011, CHEM 1030/1031 An **Orientation course taken at another University does **NOT** meet this requirement. Students with less than 60 credit hours must take UNIV 1000 at TSU.

Spring Schedule		Milestones
Semester 2	Hrs.	Semester 2
ENGL 1020	3	Pre-Requisite Course: Must be taken before taking HIST 2010, HIST 2020, HIST 2030, HIST 2050 or HIST 2700; Minimum grade "C" Required
AGSC 1200	3	Pre-Requisite Course: Required for all Plant Science Courses; Minimum Grade of "C" Required
AGSC 2020	3	Minimum Grade of "C" Required
MATH 1830	3	
CHEM 1110/1111 or BIOL 1110/1111*	4	
Total Hours	16	

Fall Schedule		Milestones
Semester 3	Hrs.	Semester 3
ENGL LIT*	3	
SOCIAL Behavioral**	3	
HIST 2010***	3	
CHEM 2010/2011 or BIOL 2110/2111	4	
AGSC 2040	3	Pre-Requisite Course: AGSC 3550; Minimum Grade of "C" Required
Total Hours	16	Petition for Admission to Upper Division

*The department recommends the courses cited above; however, courses within the range of ENGL 2012 through ENGL 2322 will meet this requirement

**The following courses can meet the Social Science elective AFAS 2010, ANTH 2300, ECON, 2010, GEOG 1010, HPSS 1510, POLI 1010 PSYC 2010, WMST 2000, and URBS 2010.

***The Department recommends HIST 2010; however, HIST 2030, HIST 2050, HIST 2060 or HIST 2700 satisfy this requirement.

Spring Schedule		Milestones
Semester 4	Hrs.	Semester 4
Humanities*	3	
AGSC 2200	4	Pre-Requisite Course: Must be taken before AGSC 3230, AGSC 4210, and AGSC 4220: Minimum; Grade of "C" Required
HIST 2020**	3	
AGSC 3210 or 3330***	3	Minimum Grade of "C" Required
Total Hours	13	

*Students must take a 3 credit hour course from the following list of approved general education Humanities courses: AREN 310, ART, 1010, HIST 1000, THTR 1020, MUSC 1010, PHIL 1030, or RELS 2010.

**The Department recommends HIST 2010; however, HIST 2030, HIST 2050, HIST 2060 or HIST 2700 satisfy this requirement.

***Students should consult with an academic advisor concerning scheduling of these courses. These courses are offered in alternate years.

Fall Schedule		Milestones
Semester 5	Hrs.	Semester 5
		Student should meet with an academic advisor to discuss the research assignment required for AGSC 4500-Senior Project
AGSC 3120	3	Minimum Grade of "C" Required
Humanities*	3	
AGSC 3300 or 3240**	3	Minimum Grade of "C" Required
AGSC3220 or 3230**	3	Minimum Grade of "C" Required
AGSC 3200 or 3260**	3	Minimum Grade of "C" Required
Total Hours	15	

**Students must take a 3 credit hour course from the following list of approved general education Humanities courses: AREN 2310, ART, 1010, HIST 1000, THTR 1020, MUSC 1010, PHIL 1030, or RELS 2010. Students must remember not to duplicate course option from a previous semester.

**Students should consult with an academic advisor concerning scheduling of these courses. These courses are offered in alternate years.

Spring Schedule		Milestones
Semester 6	Hrs.	Semester 6
AGSC 3210*	3	Minimum Grade of "C" Required
AGSC 3250	3	Minimum Grade of "C" Required
AGSC3350 or 3590*	3	Minimum Grade of "C" Required
AGSC 3330 or 3340*	3	Minimum Grade of "C" Required
AGSC 3320	3	Minimum Grade of "C" Required
Total Hours	15	

*Students should consult with an academic advisor concerning scheduling of these courses. These courses are offered in alternate years.

Fall Schedule		Milestones
Semester 7	Hrs.	Semester 7
AGSC 4220	4	Minimum Grade of "C" Required
AGSC 4500	3	Presentation of Senior Project Research; Minimum Grade of "C" Required
AGSC 4710	1	Minimum Grade of "C" Required
AGSC 4210	4	Minimum Grade of "C" Required
AGSC 4250 or AGSC 4240*	3	Minimum Grade of "C" Required
Total Hours	15	

*Students should consult with an academic advisor concerning scheduling of these courses. These courses are offered in alternate years.

Spring Schedule		Milestones
Semester 8	Hrs.	Semester 8
		Take Senior Exit Exam and Apply for Graduation
AGSC 4080	3	Minimum Grade of "C" Required
AGSC 4310	3	Minimum Grade of "C" Required
AGSC 4230	4	Minimum Grade of "C" Required
AGSC 4555	3	Minimum Grade of "C" Required
Total Hours	13	

Employment Information:

Students with this degree will have the necessary educational requirements for wide range of employment in private and government sector.

Representative Job Titles Related to this Major:

The program prepares undergraduates for varied careers such as: Natural resource management officer; Researcher; program leader with the USDA; plant breeder, plant pathologist; nursery crop producer, landscape architect; Quality Control Specialists; Entry-level Executive Trainees; etc

Representative Employers:

Governments Agencies, Local, State, Federal, Private industries, Research Institutions et.

International study is available for all TSU students and may include opportunities for internships or taking course work towards various minors. International study may have an impact on the MAP; therefore, it is important to consult with the academic advisor for this major before participating in an international Program opportunity. Students interested in study abroad opportunities should contact the Office of International Programs and consult with their academic advisor.

This map is not intended to be a contract; either expressed or implied, between the University and the students, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. TSU specifically reserves the right to change, delete or add to any MAP at any time within the student's period of study at the University.
