

DIVERSIFIED AGRICULTURE, A.A.S. - AGR3

Located in agriculture-rich Saluda County, the Diversified Agriculture degree provides the hands-on training and in-depth classroom instruction to understand and master the daily requirements of a career in agriculture.

This curriculum provides students with technical knowledge in animal science, farm maintenance, welding, farm soil conditions, environmental and natural resources with advanced technical knowledge in sustainable agriculture, field crop production, pest management, soil and water management, hydraulics & pneumatics, agriculture economics and marketing related to the agricultural industry. Also included is an internship program to provide students with real hands-on experience in the agriculture industry.

Note: Students wishing to transfer to a four-year institution should consult their advisor for possible higher-level requirements and for other transferable course information.

Requirements

Courses	Course Title	Credit Hours
General Education Courses		
Select one of the following Communication/Literature courses ¹		3
ENG 165	Professional Communications	
ENG 101	English Composition I	
ENG 102	English Composition II	
SPC 205	Public Speaking	3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) ¹		3
Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) ¹		3
Elective Social/Behavioral Sciences (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) ¹		3
Subtotal		15
Required Core Subject Areas		
AGR 201	Introduction to Sustainable Agriculture	3
AGR 203	Introduction to Animal Science	4
AGR 206	Basic Farm Maintenance	4
AGR 207	Field Crop Production	3
HRT 125	Soils	4
Subtotal		18
Other Courses Required for Graduation		
AGR 101	Technology and Professionalism in Agriculture	2
AGR 204	Introduction to Plant Science	3
AGR 205	Pest Management	3
AGR 208	Introduction to Agricultural Economics	3
AGR 209	Introduction to Agricultural Marketing	3
AGR 211	Applied Agriculture Calculations	3

AGR 212	Advanced Animal Science	4
BIO 101	Biological Science I	4
or HRT 110	Plant Form and Function	
COL 103	College Skills	3
CWE 115	Cooperative Work Experience I	5
FOR 104	Introduction to Environmental and Natural Resources	1
HRT 241	Turfgrass Management	3
Subtotal		37
Total Hours		70

¹ Students considering transferring to a 4-year institution should consult with the department head regarding specific transfer pathways.

Graduation Plan

Fall Start

Course	Title	Hours
First Year		
Fall Semester		
AGR 206	Basic Farm Maintenance	4
COL 103	College Skills	3
ENG 165	Professional Communications	3
or ENG 101	or English Composition I	
FOR 104	Introduction to Environmental and Natural Resources	1
HRT 125	Soils	4
Hours		15

Spring Semester

AGR 101	Technology and Professionalism in Agriculture	2
AGR 203	Introduction to Animal Science	4
AGR 204	Introduction to Plant Science	3
AGR 205	Pest Management	3
Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) ¹		3
Hours		15

Summer Semester

CWE 115	Cooperative Work Experience I	5
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) ²		3
Hours		8

Second Year

Course	Title	Hours
Fall Semester		
AGR 201	Introduction to Sustainable Agriculture	3
AGR 207	Field Crop Production	3
AGR 212	Advanced Animal Science	4
BIO 101	Biological Science I	4
or HRT 110	or Plant Form and Function	



Elective Behavioral Science (<https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/>)³ 3

Hours 17

Spring Semester

AGR 208	Introduction to Agricultural Economics	3
AGR 209	Introduction to Agricultural Marketing	3
AGR 211	Applied Agriculture Calculations	3
HRT 241	Turfgrass Management	3
SPC 205	Public Speaking	3

Hours 15

Total Hours 70

¹ Preference of MAT 170

² Preference of ART 101

³ Preference of PSY 103

Spring Start

Course	Title	Hours
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First Year

Spring Semester

AGR 101	Technology and Professionalism in Agriculture	2
AGR 203	Introduction to Animal Science	4
AGR 204	Introduction to Plant Science	3
AGR 205	Pest Management	3
COL 103	College Skills	3

Hours 15

Summer Semester

CWE 115	Cooperative Work Experience I	5
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) ¹		3

Hours 8

Fall Semester

AGR 206	Basic Farm Maintenance	4
ENG 165 or ENG 101	Professional Communications or English Composition I	3
FOR 104	Introduction to Environmental and Natural Resources	1
HRT 125	Soils	4
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/) ²		3

Hours 15

Second Year

Spring Semester

AGR 208	Introduction to Agricultural Economics	3
AGR 209	Introduction to Agricultural Marketing	3
AGR 211	Applied Agriculture Calculations	3
HRT 241	Turfgrass Management	3

Mathematical Requirement (<https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/>)³ 3

Hours 15

Fall Semester

AGR 201	Introduction to Sustainable Agriculture	3
AGR 207	Field Crop Production	3
AGR 212	Advanced Animal Science	4
BIO 101 or HRT 110	Biological Science I or Plant Form and Function	4
SPC 205	Public Speaking	3

Hours 17

Total Hours 70

¹ Preference of ART 101

² Preference of PSY 103

³ Preference of MAT 170

Summer Start

Course	Title	Hours
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First Year

Summer Semester

ENG 165 or ENG 101	Professional Communications or English Composition I	3
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Elective Humanities/Fine Arts (<https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/>)¹ 3

Hours 6

Fall Semester

AGR 206	Basic Farm Maintenance	4
COL 103	College Skills	3
FOR 104	Introduction to Environmental and Natural Resources	1
HRT 125	Soils	4

Elective Behavioral Science (<https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/>)² 3

Hours 15

Spring Semester

AGR 101	Technology and Professionalism in Agriculture	2
AGR 203	Introduction to Animal Science	4
AGR 204	Introduction to Plant Science	3
AGR 205	Pest Management	3

Mathematical Requirement (<https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/>)³ 3

Hours 15

Second Year

Summer Semester

CWE 115	Cooperative Work Experience I	5
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Hours 5

Fall Semester

AGR 201	Introduction to Sustainable Agriculture	3
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AGR 207	Field Crop Production	3
AGR 212	Advanced Animal Science	4
BIO 101 or HRT 110	Biological Science I or Plant Form and Function	4
Hours		14
Spring Semester		
AGR 208	Introduction to Agricultural Economics	3
AGR 209	Introduction to Agricultural Marketing	3
AGR 211	Applied Agriculture Calculations	3
HRT 241	Turfgrass Management	3
SPC 205	Public Speaking	3
Hours		15
Total Hours		70

agriculture economics and marketing related to the agricultural industry. Also included is an internship program to provide students with real hands-on experiences in the agriculture industry.

Program Student Learning Outcomes

1. Safely operate and maintain agricultural equipment.
2. Manage soils for optimal crop production.
3. Grow agricultural crops.
4. Use crop protection principles to control agricultural pests.
5. Demonstrate appropriate livestock handling procedures.
6. Market agricultural commodities.

- ¹ Preference of ART 101
² Preference of PSY 103
³ Preference of MAT 170

Application and Advising

If you are ready to start your education, there are a few simple steps involved in enrolling at Piedmont Technical College.

Get Started Today (<https://www.ptc.edu/admissions/new-students/>)

Advising Information

The following information provides a guide for advisors who are helping students enroll in this program.

Program Notes

The majority of this program will be offered at the Saluda County Campus.

The best time to start this program is fall. Advise for general education or developmental courses if students start any other semester. If student starts in the fall, developmental or transitional classes can be scheduled around program classes, and program classes should be taken as they appear in the semester-by-semester graduation plan.

Students considering transferring to a 4-year institution after completing the A.A.S. in agriculture or horticulture should consult with the department head regarding specific transfer pathways.

Notes About Individual Courses

Students that plan to transfer upon graduation should take ENG 101 for their Communication/Literature Requirement; MAT 120 for their Math requirement; PSY 201 for their Social/Behavioral Science requirement; and ART 101 for their Humanities/Fine Arts requirement.

Program Student Learning Outcomes

Purpose Statement

The Diversified Agriculture program provides students with advanced technical knowledge in sustainable agriculture, field crop production, pest management, soil and water management, hydraulics & pneumatics,