PIEDMONT TECHNICAL COLLEGE

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		
ART 101	Art History and Appreciation	3
ENG 165	Professional Communications	3
or ENG 101	English Composition I	
MAT 170	Algebra, Geometry and Trigonometry I	3
or MAT 120	Probability and Statistics	
PSY 103	Human Relations	3
or PSY 201	General Psychology	
SPC 205	Public Speaking	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 127	Soil and Water Management	4
Subtotal		18
Other Courses Required for Graduation		
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	
BUS 101	Introduction to Business	3
or ACC 101	Accounting Principles I	
CWE 101	Cooperative Work Experience Preparation	1
CWE 115	Cooperative Work Experience I	5
FOR 104	Introduction to Environmental and Natural Resources	1
Subtotal		33
Total Hours		66

Graduation Plan

Fall Start

Course	Title	Hours
First Year		
Fall Semester		
AGR 201	Introduction to Sustainable Agriculture	3
AGR 206	Basic Farm Maintenance	4
FOR 104	Introduction to Environmental and Natural Resources	1
HRT 127	Soil and Water Management	4
ART 101	Art History and Appreciation	3
	Hours	15
Spring Semester		
AGR 203	Introduction to Animal Science	4
AGR 204	Introduction to Plant Science	3
CWE 101	Cooperative Work Experience Preparation	1
ENG 165 or ENG 101	Professional Communications or English Composition I	3
BIO 101 or HRT 110	Biological Science I or Plant Form and Function	4
	Hours	15
Summer Semester		
CWE 115	Cooperative Work Experience I	5
	Hours	5
Second Year		
Fall Semester		
AGR 205	Pest Management	3
AGR 207	Field Crop Production	3
AGR 212	Advanced Animal Science	4
MAT 170 or MAT 120	Algebra, Geometry and Trigonometry I or Probability and Statistics	3
PSY 103 or PSY 201	Human Relations or General Psychology	3
	Hours	16
Spring Semester		
AGR 208	Introduction to Agricultural Economics	3
AGR 209	Introduction to Agricultural Marketing	3
AGR 211	Applied Agriculture Calculations	3
BUS 101 or ACC 101	Introduction to Business or Accounting Principles I	3

SPC 205	Public Speaking	3
	Hours	15
	Total Hours	66

Spring Start

Course	Title	Hours
First Year		
Spring Semester		
AGR 203	Introduction to Animal Science	4
AGR 204	Introduction to Plant Science	3
CWE 101	Cooperative Work Experience Preparation	1
ENG 165 or ENG 101	Professional Communications or English Composition I	3
BIO 101 or HRT 110	Biological Science I or Plant Form and Function	4
	Hours	15
Fall Semester		
AGR 201	Introduction to Sustainable Agriculture	3
AGR 206	Basic Farm Maintenance	4
FOR 104	Introduction to Environmental and Natural Resources	1
HRT 127	Soil and Water Management	4
ART 101	Art History and Appreciation	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
BUS 101 or ACC 101	Introduction to Business or Accounting Principles I	3
SPC 205	Public Speaking	3
	Hours	15
Summer Semester		
CWE 115	Cooperative Work Experience I	5
	Hours	5
Fall Semester		
AGR 205	Pest Management	3
AGR 207	Field Crop Production	3
AGR 212	Advanced Animal Science	4
MAT 170 or MAT 120	Algebra, Geometry and Trigonometry I or Probability and Statistics	3
PSY 103 or PSY 201	Human Relations or General Psychology	3
	Hours	16
	Total Hours	66

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 planning to transfer to Abraham Baldwin Agricultural College (ABAC) may wish to take an additional elective in business.

Students considering transfer to Clemson may pursue the A.A.S. in agriculture or horticulture and should consult with the department head about taking additional science (biology and chemistry) and higher-level math coursework.

Notes About Individual Classes

The first English required for this program is ENG 165. Students will follow this progression, with their starting point being determined by their placement test scores: ENG 032/012 and/or RDG 032/012 (or RWR 032/012) > ENG 100 and/or RDG 100 (or RWR 100) > ENG 165. ENG 101 should be taken instead of ENG 165 if the student would like to transfer to a four-year school.

The first math required for this program is MAT 170. Students will follow this progression, with their starting point being determined by their placement test scores: MAT 032/012 > MAT 170. Students should consult with the Department Head about selecting a higher-level math class if they are planning to transfer to a four-year school.

Students will take BIO 101 or HRT 110 for this program. BIO 101 requires MAT 152 or MAT 101 (minimum grade C). If taking BIO 101, students will follow this progression, with their starting point being determined by their placement test scores: MAT 032/012 > MAT 152 or MAT 101 > BIO 101

MAT 152 or 101 would be required for BIO 101 in addition to any other math requirement for this program

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, 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. Use crop protection principles.
2. Grow and maintain field crops.
3. Market agriculture commodities.
4. Demonstrate safe operation and preform basic maintenance on field/ agriculture equipment.
5. Demonstrate appropriate livestock handling procedures.
6. Maintain structure and animal environment.