

BASIC DIVERSIFIED AGRICULTURE, CERTIFICATE - BAC7

This certificate provides students with technical knowledge in animal science, farm maintenance, welding, farm soil conditions, environmental and natural resources related to the Agriculture industry. This is the foundation program to future pathways in the Agriculture curricula.

Requirements

Courses	Course Title	Credit Hours
AGR 203	Introduction to Animal Science	4
AGR 206	Basic Farm Maintenance	4
BIO 101	Biological Science I	4
or HRT 110	Plant Form and Function	
CWE 101	Cooperative Work Experience Preparation	1
CWE 115	Cooperative Work Experience I	5
ENG 165	Professional Communications	3
or ENG 101	English Composition I	
FOR 104	Introduction to Environmental and Natural Resources	1
HRT 125	Soils	4
MAT 170	Algebra, Geometry and Trigonometry I	3
Subtotal		29
Total Hours		29

Graduation Plan

Fall Start

Course	Title	Hours
First Year		
Fall Semester		
AGR 206	Basic Farm Maintenance	4
ENG 165	Professional Communications	3
or ENG 101	or English Composition I	
FOR 104	Introduction to Environmental and Natural Resources	1
MAT 170	Algebra, Geometry and Trigonometry I	3
or MAT 120	or Probability and Statistics	
	Hours	11

Spring Semester

AGR 203	Introduction to Animal Science	4
BIO 101	Biological Science I	4
or HRT 110	or Plant Form and Function	
CWE 101	Cooperative Work Experience Preparation	1
	Hours	9

Summer Semester

CWE 115	Cooperative Work Experience I	5
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HRT 125	Soils	4
	Hours	9
	Total Hours	29

Spring Start

Course	Title	Hours
First Year		
Spring Semester		
AGR 203	Introduction to Animal Science	4
CWE 101	Cooperative Work Experience Preparation	1
ENG 165	Professional Communications	3
or ENG 101	or English Composition I	
	Hours	8
Summer Semester		
CWE 115	Cooperative Work Experience I	5
HRT 125	Soils	4
	Hours	9

Fall Semester

AGR 206	Basic Farm Maintenance	4
BIO 101	Biological Science I	4
or HRT 110	or Plant Form and Function	
FOR 104	Introduction to Environmental and Natural Resources	1
MAT 170	Algebra, Geometry and Trigonometry I	3
	Hours	12
	Total Hours	29

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 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.

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

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

This certificate provides students with technical knowledge in animal science, farm maintenance, welding, farm soil conditions, environmental and natural resources related to the agriculture industry. This is the foundation program to future pathways in the agriculture curricula.

Student Learning Outcomes

1. Grow and maintain field crops.
2. Operate and maintain field/agriculture equipment.
3. Market agriculture commodities.
4. Demonstrate safe equipment operation.
5. Demonstrate appropriate livestock handling procedures.
6. Maintain structure and animal environment.
7. Use crop protection principles.