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 | 3
ENG 101 | English Composition I | 3
ENG 102 | English Composition II | 3
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 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 | 4
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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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**First Year**
**Fall Semester**
AGR 206 | Basic Farm Maintenance | 4
COL 103 | College Skills | 3
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
**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
**Hours** | 15
**Summer Semester**
CWE 115 | Cooperative Work Experience I | 5
**Hours** | 8
**Second Year**
**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

Diversified Agriculture, A.A.S.
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
--- | --- | ---
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

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
--- | --- | ---
First Year
Summer Semester
ENG 165 or ENG 101 Professional Communications or English Composition I 3
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

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

Hours 5
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

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 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, 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.
4. Use crop protection principles to control agricultural pests.
5. Demonstrate appropriate livestock handling procedures.