### Program of Study

**Career Field:** Environmental and Agricultural Systems  
**Career Cluster:** Agriculture, Food, and Natural Resources  
**Career Pathway:** Plant Systems

<table>
<thead>
<tr>
<th>GRADE</th>
<th>ENGLISH</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
<th>GENERAL ELECTIVES</th>
<th>PATHWAY ELECTIVE COURSES</th>
<th>EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>HIGH SCHOOL</td>
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| 9     | English/Language Arts I | Algebra I | Physical Science | Geography | World Languages and Cultures  
Physical Education  
Entrepreneurship  
Information Technology App. I  
Animal Science  
Agribusiness | Intro to Environmental & Ag Sciences  
Plant Science | School Activities:  
FFA |
| 10    | English/Language Arts II | Geometry | Biology | World History | Physical Education  
Health Education  
Advanced Plant Science  
Floriculture  
Horticulture  
Landscape and Nursery Management  
Biotechnology in Plant Science  
Turf Management | Plus two from the following:  
Advanced Plant Science  
Floriculture  
Horticulture  
Landscape and Nursery Management  
Biotechnology in Plant Science  
Turf Management | Community Activities:  
4-H, Recycle, Tour an agribusiness,  
Work on a farm during the summer,  
Part-time employment available within this career cluster,  
Join professional organizations in this career cluster |
| 11    | English/Language Arts III | Algebra II | Chemistry | American History | Botany or other science course  
American Government or Economics | American Government or Economics |                                             |
| 12    | English/Language Arts IV | Intro to Statistics  
Descrete Math Pre-Calc | Botany or other science course | American Government or Economics | American Government or Economics | American Government or Economics |                                             |

### Communications

<table>
<thead>
<tr>
<th>HIGH SCHOOL</th>
<th>COMMUNICATIONS</th>
<th>MATH/ SCIENCE</th>
<th>PERSONAL DEVELOPMENT</th>
<th>SOC/ BEHAVIORAL SCIENCES</th>
<th>DEGREE REQUIREMENTS</th>
<th>MAJOR COURSES</th>
</tr>
</thead>
</table>
| 13 and 14   | Select 3 hours from the following:  
Applied Writing  
Efficient Reading  
Public Speaking | Select 3 hours from the following:  
Ecology  
Environmental Sci  
Occupational Math  
Business Math  
Meteorology | Select 3 hours from the following:  
Consumer Problems  
College Fundamentals  
Job Search & Interview  
Successful Job Relations | Select 3 hours from the following:  
American Government  
Human Relations | Basic Landscape Design  
Tree & Shrub Identification  
Plant Reproduction  
Small Engine Units  
Introduction to Soils | Orientation - Pesticides  
Integrated Pest Management  
Soil Analysis  
Chemical Application Mgmt |

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<tr>
<th>CENTRAL COMMUNITY COLLEGE</th>
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</thead>
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Applied Writing  
Efficient Reading  
Public Speaking | Select 3 hours from the following:  
Ecology  
Environmental Sci  
Occupational Math  
Business Math  
Meteorology | Select 3 hours from the following:  
Consumer Problems  
College Fundamentals  
Job Search & Interview  
Successful Job Relations | Select 3 hours from the following:  
American Government  
Human Relations | Select 20 hours from the following link:  
CCC Advisor  
Approved Elective Courses | Select 20 hours from the following link:  
CCC Advisor  
Approved Elective Courses |

6/15/2010