Modern Food Production, Agriculture and the Environment

Students in SCC’s Modern Food Production, Agriculture and the Environment have the opportunity to prepare for a lifetime of learning through classroom and internship positions limited only by students’ initiative and imagination. This program prepares students to serve the food production and processing industries through operation of feed mills, fertilizer plants, elevators, retail farm supply stores and farm equipment dealers. The program is also designed to provide improved skills in the areas of crop and livestock production, agriculture equipment and farm business management. This program offers a diploma and degree in Modern Food Production, Agriculture and the Environment.

Students wanting to incorporate business classes into livestock or crop areas would also benefit greatly from the certificate. Students will be expected to complete four courses: one each from the areas of Agronomy, Animal Science and Business and another Agriculture elective.

Where will this take me?

Animal Science Technician
Farm and/or Feedlot Owner/Operator
Fruit and Vegetable Grower
Grain and/or Livestock Farmer
Livestock Breeding Manager
Specialty Animal Producer

Instructor and Staff

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MBA, St. Ambrose University

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Instructor - Agriculture Management
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BS, Iowa State University

Career Outlook

For details on job outlook, related careers and median income of what you could earn after completing this program, visit SCC’s career exploration website at https://scciowa.emsicareercoach.com
Modern Food Production, Agriculture and the Environment

West Burlington Campus

Diploma and Associate of Applied Science Degree Requirements

<table>
<thead>
<tr>
<th>Fall Semester I</th>
<th>Lec.</th>
<th>Lab</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGB-336 Agriculture Selling</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>AGC-216 Career Seminar</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>AGA-114 Principles of Agronomy or</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>AGH-221 Principles of Horticulture</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>AGB-235 Into to Agriculture Markets or</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>BUS-102 Into to Business</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>AGH-131 Greenhouse Management or</td>
<td>3</td>
<td>0</td>
<td>3</td>
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<tr>
<td>AGS-113 Survey of the Animal Industry</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>AGP-329 Into to GPS or</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>DRF-113 Fundamentals of Technical Drafting</td>
<td>1</td>
<td>4</td>
<td>3</td>
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<td></td>
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</tbody>
</table>

Spring Semester I

| AGA-154 Fundamentals of Soil Science | 2    | 2   | 3      |
| AGA-390 Into to Renewable Resources | 3    | 0   | 3      |

Choose 3 of the following courses:

- AGA-376 Integrated Pest Management
- AGB-331 Entrepreneurship in Agriculture
- AGC-420 Issues in Agriculture
- AGM-157 Machinery Management (online)
- AGS-225 Swine Science
- AGS-226 Beef Cattle Science

Choose 1 of the following courses:

- ENG-105 Composition I
- ENG-111 Technical Writing
- SPC-112 Public Speaking

| Program Total | 35 |

Diploma Awarded

<table>
<thead>
<tr>
<th>Summer Semester</th>
<th>Lec.</th>
<th>Lab</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGC-936 Occupational Experience</td>
<td>0</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

Choose 1 of the following courses:

- MAT-127 College Algebra and Trigonometry
- MAT-156 Statistics
- MAT-702 Into to Math Applications

| Program Total | 6-8 |

<table>
<thead>
<tr>
<th>Fall Semester II</th>
<th>Lec.</th>
<th>Lab</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGB-330 Farm Business Management</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>AGB-470 Farm Records, Accounts, Analysis</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete a minimum of 6 credits from following courses:

- AGA-158 Soil Fertility
- AGA-211 Grain and Forage Crops
- AGB-437 Commodity Marketing
- AGB-466 Agriculture Finance
- AGC-937 Occupational Experience II
- AGH-112 Introduction to Turf Grass Management
- AGN-130 Soil & Water Conservation
- AGS-270 Foods of Animal Origin
- AGS-319 Animal Nutrition
- AGS-331 Animal Reproduction
- AGT-250 Food and Biosecurity Issues

| Program Total | 15-17 |

Spring Semester II

Choose 3 of the following courses:

- AGB-210 Agricultural Law
- AGH-260 Fruits and Vegetables
- AGM-155 Farm Equipment Management
- AGM-203 Agricultural Welding
- AGN-244 Wildlife Management
- AGS-216 Equine Science
- AGS-242 Animal Health
- ELE-130 Home and Farm Electricity
- ENV-145 Conservation Biology

Choose 2 of the following courses:

- ECN-130 Principles of Micro-Economics
- HUM-287 Leadership Development Studies
- PSY-102 Human and Work Relations
- PSY-111 Introduction to Psychology
- SOC-110 Introduction to Sociology
- SOC-114 Conflict Resolution in the Workplace

| Program Total | 12-16 |

Office of Enrollment Services
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