INTEGRATED AGRICULTURE MANAGEMENT (A.A.S.)

https://colsa.unh.edu/thompson-school-applied-science

Description

Beginning in the 2018-2019 academic year, the Integrated Agriculture Management program will no longer be accepting new students. Current Thompson School students in this program will continue to have access to the same high-quality education and resources until they graduate in 2019.

First-year students in IAG take a core of courses covering the basics of soils, plants, and animals. This provides a strong foundation for second-year study, during which the student may either specialize in one or two areas or take courses across the breadth of programs in horticultural technology, applied animal science, forest technology, civil technology, and culinary arts and nutrition. Working closely with a faculty advisor, and benefitting from a wide array of flexible concentration courses, the student in integrated agriculture management designs the path of study that aligns with his or her particular talents and interests.

Requirements

Candidates for a degree must satisfy all of the Thompson School of Applied Science General Education requirements in addition to satisfying the requirements of the Integrated Agriculture Management (IAG) program. IAG students are required to take:

Required Program Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Fall</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAS 425 or AAS 431</td>
<td>Introduction to Dairy Herd Management or Introduction to Animal Science</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FORT 461</td>
<td>Dendrology</td>
<td>4</td>
<td></td>
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<tr>
<td>HT 559</td>
<td>Plants in the Horticulture Industry Identification and Culture</td>
<td>4</td>
<td></td>
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<tr>
<td>HT 585</td>
<td>Fruit and Vegetable Production</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FORT 581</td>
<td>Applied Geospatial Techniques</td>
<td>4</td>
<td></td>
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<tr>
<td>IAG 408</td>
<td>Foundations for Living Sustainably in New England</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAS 432</td>
<td>Introduction to Forage and Grassland Management</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HT 415</td>
<td>Soils and Land Use</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HT 416</td>
<td>Soils and Plant Nutrition</td>
<td>2</td>
<td></td>
<td></td>
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<tr>
<td>IAG 597</td>
<td>Integrated Agriculture Management Work Experience</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>ABM 404A</td>
<td>Introduction to Business I</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ABM 404B</td>
<td>Introduction to Business II</td>
<td>2</td>
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<td>IAG 490</td>
<td>Integrated Agriculture Management Capstone</td>
<td>2</td>
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</tbody>
</table>

Flexible Concentration Courses From The Following

**Horticultural Technology**
- HT 404 Plant Propagation
- HT 407 Plant Structure and Function
- HT 438 Plant Production Techniques
- HT 454 Irrigation Design
- HT 575 Hydroponics
- HT 576 Greenhouse Crop Production

**Technical Practices**
- CT 423 Introduction to Surveying and Mapping
- CT 425 Surveying and Mapping Lab
- CT 557 Land Design and Regulations
- CT 576 Building Science/Residential Construction
- AM 451 Welding/Fabrication Technology
- AM 461 Internal Combustion Engines I

Credit Hours: 52-53

Degree Plan

Integrated Agriculture Management Program of Study

The curriculum checklist (or roadmap to the degree) that follows is the recommended sequence of courses for IAG students. However, the sequence of when courses are taken can be modified in consultation with the student’s faculty advisor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Fall</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Introduction to Dairy Herd Management or Introduction to Animal Science</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td>3-4</td>
<td></td>
<td></td>
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<tr>
<td>FORT 461</td>
<td>Dendrology</td>
<td>4</td>
<td></td>
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</tbody>
</table>

**First Year**

**Fall**

Required Core Courses:

- AAS 425 Introduction to Dairy Herd Management
- AAS 431 Introduction to Animal Science
- FORT 461 Dendrology
- HT 559 Plants in the Horticulture Industry: Identification and Culture
- HT 585 Fruit and Vegetable Production

General Education Courses:
Integrated Agriculture Management (A.A.S.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 209</td>
<td>Expository Writing and Reading</td>
<td>4</td>
</tr>
<tr>
<td>Flexible Concentration Course</td>
<td>1</td>
<td>2-4</td>
</tr>
</tbody>
</table>

**Spring**

Required Core Courses:
- FORT 581  Applied Geospatial Techniques  4
- IAG 408  Foundations for Living Sustainably in New England  4

General Education Courses:
- MTH 202  College Algebra  3
- Flexible Concentration Course | 1 | 5-8 |

**Second Year**

**Fall**

Required Core Courses:
- AAS 432  Introduction to Forage and Grassland Management  3
- HT 415  Soils and Land Use  2
- HT 416  Soils and Plant Nutrition  2
- IAG 597  Integrated Agriculture Management Work Experience  0

General Education Courses:
- SSCI 201  Human Relations  4
  or SSCI 202  Social Issues

Flexible Concentration Courses | 1 | 5-8 |

**Spring**

Required Courses:
- ABM 404A & ABM 404B  Introduction to Business I and Introduction to Business II  4
- IAG 490  Integrated Agriculture Management Capstone  2

General Education Courses:
- Any TSAS General Education Course  2-4

Flexible Concentration Courses | 1 | 8-10 |

Total Credits  64-77

1 Flexible Concentration Courses: Students select 20 credits from approved courses in the following program areas: horticultural technology, applied animal science, forest technology, civil technology, culinary arts and nutrition, technical practices, or applied business management by working with their faculty adviser. Refer to the Requirements section for a list of approved courses.