Cover Sheet: Request 9816

State wide core 2015

Info

Process	Major Curriculum|Modify|Ugrad/Pro
Status	Pending
Submitter	Porter,Wendell A waporter@ufl.edu
Created	11/21/2014 1:35:07 PM
Updated	2/25/2015 2:25:18 PM
Description	To align curriculum with state wide core requirements

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Agricultural and Biological Engineering 514907000	Haman, Dorota Zofia		11/21/2014
College	Approved	CALS - College of Agricultural and Life Sciences	Brendemuhl, Joel H	Reviewed and approved.	11/30/2014
University Curriculum Committee	Recycled	PV - University Curriculum Committee (UCC)	Adams, Brittany M	UCC GE Subcommittee: 1. Summer terms cannot be part of 8-semester plans. 2. "Approved Elective" became "Elective for concentration" but the plan does not include any information about concentrations or which courses are approved as electives for said concentrations--please clarify and provide a list of approved electives. 3. Semester 7 includes 1 credit of "Elective for concentration"-- is there 1 credit course among the options? 4. The business ethics option in semester 7 should be 3-4 credits as only one of the course options is 4 credits, with this change semester 7 will total 11-12 credits--must be a minimum of 12 credits to meet full-time requirements. 5. Plan adds to 117 total credits--please recalculate to add to 120. Contact Toby Shorey with any questions at tshorey@ufl.edu.	12/19/2014

Step	Status	Group	User	Comment	Updated
College	Approved	CALS - College of Agricultural and Life Sciences	Brendemuhl, Joel H	Corrections requested by the UCC GE Subcommittee have been addressed.	1/14/2015
University Curriculum Committee	Comment	PV - University Curriculum Committee (UCC)	Adams, Brittany M	UCC GE Subcommittee: No objections to GE changes.	2/25/2015
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/25/2015
Office of the Registrar					
Student Academic Support System					
Catalog					
Academic Assessment Committee Notified					
College Notified					

Modify the Curriculum of a Major

This process should be used to change the required or elective coursework in a graduate or professional major, or the eight-semester plan or critical tracking in an undergraduate major. To change the total credits, limited access status, major name, delivery platform or funding model, follow the procedures at http://approval.ufl.edu. Instructions for completing this form are on the last page.

Major to be Modified

1. Major Name Agricultural Operations Management
2. Major Code AOM
3. Degree Program Name Agricultural Operations Management
4. Effective Term Fall Effective Year 2015

5. **Proposed Changes**

To align with statewide core

6. **Pedagogical Rationale/Justification**

N/A

7. **Projected Impact on Initial Enrollment, Retention, Graduation**

N/A

- Prepare a document showing the catalog copy with the current and proposed curricula either in a side-by-side comparison or edited using the "track changes" feature in Word.
- Prepare supporting documentation from other colleges indicating availability of seats in courses that are affected by the change in credits and support for the proposed application, if overlap is a concern.

Instructions
Please note: this form should be used to request a change in the required or elective coursework in an undergraduate or professional major, or the eight-semester plan or critical tracking in an undergraduate major. To change the total credits, limited access status, major name, delivery platform or funding model, follow the procedures at http://approval.ufl.edu..

Major to Be Modified
1. Enter the name of the major. Example: "Mathematical Modeling"
2. Enter the two-letter or three-letter major code.
3. Enter the name of the degree program in which the major is offered.
4. Enter the term (semester and year) that the curriculum change would be effective.

Proposed Changes
5. Describe the proposed changes to the curriculum.

Pedagogical Rationale/Justification
6. Describe the rationale for the proposed changes to the curriculum.

Projected Impact on Initial Enrollment, Retention, Graduation
7. Describe any potential impact of the curriculum changes on students who are currently in the major.

Agricultural Operations Management-2015

Agricultural operations management combines emerging technologies with business principles to enable students to apply cutting edge techniques to a wide variety of career paths.

About This Major

- **College:** Agricultural and Life Sciences
- **Degree:** Bachelor of Science
- **Credits for Degree:** 120
- **Minor:** Precision Agriculture
- **Combined-Degree Program:** Yes
- **Academic Learning Compact:** Agricultural Operations Management
- **Website:** www.abe.ufl.edu/academics/undergraduate/ag-op-management-major.shtml

Overview

Students gain technical experience in systems management, environmental quality, energy efficiency, agricultural machinery, GIS/GPS remote sensing, irrigation, power systems, water control and precision agriculture.

The curriculum supports students who plan to seek career opportunities in commercial business operations and management. In addition to hands-on applied skills, students also will take courses in economics, accounting, business, finance, sales and business management. Graduates become an integral part of the profitable operations of many types of businesses, such as grove management, commercial nurseries, building construction and materials, cattle operations regulatory agencies and citrus processing.

The Agricultural Operations Management (AOM) program is housed in Rogers Hall with laboratories, classrooms and a student computing lab, and also features an additional off-site construction laboratory on Museum Road.

Students can choose a focus area based on their courses of concentration. Math and science requirements will be oriented toward the student's specific interests and must be adviser-approved. Examples of focus areas can include agricultural production, aquaculture, dairy and cattle operations, agribusiness management, forestry, energy and nursery operations.

Back to Top

Critical Tracking

To graduate with this major, students must complete all university, college and major requirements.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites may be used for transfer students.

Semester 1

- Complete 2 of 8 critical-tracking courses, excluding labs, with a minimum grade of C: BSC 2010/2010L, CHM 2045/2045L. MAC 1147 or MAC 2233, PHY 2004 or PHY 2020, PSY 2012, ACG 2021 or AEB 3122, SPC 2608 or AEC 3030C, ENC 2210.
- 2.0 GPA required for all critical-tracking coursework
- 2.0 UF GPA required

Semester 2

- Complete 1 additional critical-tracking course, excluding labs, with a minimum grade of C.
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Semester 3

- Complete 2 additional critical-tracking course, excluding labs, with a minimum grade of C.
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Semester 4

- Complete 1 additional critical-tracking course, excluding labs, with a minimum grade of C.
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Semester 5

- Complete all critical-tracking courses, including labs, with a minimum grade of C.
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Recommended Semester Plan

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold.

Semester 1	**Credits**
BSC2010/2010L or	
BOT 2010c Integrated Principles of Biology & Lab or Introductory Botany 1 (GE-B/P)	**4**

State Core – Math - MAC 1147 or	**3-4**
MAC 2233 Precalculus: Algebra and Trig (4) or Survey of Calculus (3) (GE-M)	
State Core - Composition (GE-C, WR, D or N)	3
IUF 1000 What is The Good Life (GE-H)	3
Total	13-14
Semester 2	**Credits**
State Core – Natural Science - CHM 2045 and 2045L General Chemistry 1 (3) and General Chemistry 1 Laboratory (1) (GE-B/P)	**4**
ACG 2021 Intro to Financial Accounting (4) or AEB 3122 Financial Planning for Agribusiness (3)	**4-3**
Physical Science (GE-B/P)	3
STA 2023 Introduction to Statistics 1 (GE-M)	3
State Core - Humanities (GE-H, D or N)	3
Total	17-16
Semester 3	**Credits**
State Core – Social Science - PSY 2012 General Psychology (GE-S)	**3**
PHY 2004 Applied Physics 1 (GE-B/P) and Lab or	**4**
PHY 2020 Introduction to Principles of Physics and Lab	
AOM 2520 Global Sustainable Energy	3
ECO 2013 Principles of Macroecon (4) (GE-S) or AEB 2014 Economic Issues, Food and You (3)	4-3
Total	14-13
Semester 4	**Credits**
SPC 2608 Introduction to Public Speaking or AEC 3030C Effective Oral Communication	**3**
ENC 2210 Tech Writing (GE-C)	**3**
ECO 2023 Principles of Microeconomics (if needed) or Approved elective	4

Approved elective (see adviser)	5
Total	15

Back to Top

Semester 5	**Credits**
AOM 3220 Ag Construction and Maintenance	3
AEB 3300 Agricultural and Food Marketing (3) or MAR 3023 Principles of Marketing (4)	3-4
AOM 3333 Pesticide Application Techniques	3
AEB 3133 Principles of Agribusiness Management (3) or MAN 3025 Principles of Management (4)	3-4
Approved electives (see adviser)	4
Total	16-18

Semester 6	**Credits**
SWS 3022 Intro to Soils in the Environment	3
ALS 3133 Agricultural and Environmental Quality or AOM 4521 Intro to Biofuels	3
AOM 4314C Power and Machinery Management	3
Approved electives (see advisor)	6
Total	15

Semester 7	**Credits**
AOM 4642 Environ. Systems for Ag Structures	3
AOM 4643 Environmental Hydrology: Principles and Issues	3
AOM 3734 Irrigation Principles & Practices in Fla	3
AEB 4085, AEB 4123, AEB 4126 OR BUL 4310 Business law, ethics or human resources (see adviser)	3-4
AOM 4933 Professional Practices in AOM	1

Approved electives (see adviser)	4
Total	17-18
Semester 8	**Credits**
AOM 4434 Precision Agriculture	3
AOM 4455 Agricultural Operations and Systems	3
AOM 4444C Electrical Power and Instrum. for AOM	3
AOM 4461 Sustainable Ag Systems	3
Approved electives (see advisor)	3
Total	15

120 Credits required for graduation. Elective hours may be adjusted based on required courses taken.

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Back to Top

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ECO 2023 Principles of Microeconomics (if needed) or Approved elective	4

UF Core (GE-S or GE-B/P)	3
~~Composition (GE-C, WR)~~ Elective for Concentration	3
Total	16~~3~~

Back to Top

Summer	**Credits**
AOM 3734 Irrigation Principles & Practices in Fla	3
Elective for concentration	3
Total	6

Semester 5	**Credits**
AOM 3220 Ag Construction and Maintenance	3
AEB 3300 Agricultural and Food Marketing (3) or MAR 3023 Principles of Marketing (4)	3-4
AOM 3333 Pesticide Application Techniques	3
AEB 3133 Principles of Agribusiness Management (3) or MAN 3025 Principles of Management (4)	3-4
Elective for concentration	3
Total	15-17

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ALS 3133 Agricultural and Environmental Quality or AOM 4521 Intro to Biofuels	3
AOM 4314C Power and Machinery Management	3
Elective for concentration	6
Total	15

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AOM 4643Environmental Hydrology: Principles and Issues	3
AEB 4085, AEB 4123, AEB 4126 OR BUL 4310 Business law, ethics or human resources (see adviser)	4
AOM 4933 Professional Practices in AOM	1
Elective for concentration	1
Total	12
Semester 8	**Credits**
AOM 4434 Precision Agriculture	3
AOM 4455 Agricultural Operations and Systems	3
AOM 4444C Electrical Power and Instrum. for AOM	3
AOM 4461 Sustainable Ag Systems	3
Elective for concentration	2~~3~~
Total	1~~5~~4

To graduate, students may need additional credits to reach the total of 120.