

Cover Sheet: Request 14976

Common Prerequisite Manual for Programs in the College of Agriculture and Life Sciences

Info

Process	Degree Change Common Prereqs
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Casey Griffith cgriffith@aa.ufl.edu
Created	5/5/2020 3:47:49 PM
Updated	5/11/2020 2:36:51 PM
Description of request	<p>The College of Agriculture and Life Sciences is requesting a modification to the Common Prerequisite Manual (CPM) for the following programs;</p> <ol style="list-style-type: none"> 1. Food and Resource Economics 2. Animal Sciences 3. Plant Science 4. Soil and Water Sciences 5. Forest Resources and Conservation 6. Geomatics 7. Entomology 8. Interdisciplinary Studies 9. Dietetics. 10. Horticultural Science 11. Wildlife Ecology and Conservation 12. Human Resource Development (FYCS) 13. Nutritional Science 14. Food Science 15. Landscape and Nursery Horticulture (Deletion, program closed in 2012) <p>The college has been working with the Office of Undergraduate Affairs since Spring of 2019 regarding these changes.</p>

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Agricultural and Life Sciences - General 514903000	Joel H Brendemuhl	Approved by CALS.	5/5/2020
No document changes					
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Approved by CALS.	5/5/2020
No document changes					
Associate Provost for Undergrad Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Casey Griffith		5/5/2020
CALS -CPM modifications requests_email review chain.pdf					5/5/2020
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Lee Morrison	Added to the UCC May agenda.	5/7/2020

Step	Status	Group	User	Comment	Updated
CALS Memo re-CPM Requests May 2020.pdf					5/6/2020
01.0103 Food and Resource Economics CPM Modifications.pdf					5/6/2020
01.1101 Plant Science CPM Modifications.pdf					5/6/2020
01.1201 Soil and Water Sciences CPM Modifications.pdf					5/6/2020
03.0501 Forest Resources and Conservation CPM Modifications.pdf					5/6/2020
15.1102 Geomatics CPM Modifications.pdf					5/6/2020
26.0702 Entomology CPM Modifications.pdf					5/6/2020
30.9999 Interdisciplinary Studies CPM Modifications.pdf					5/6/2020
51.3101 Dietetics CPM Modifications.pdf					5/6/2020
01.0603 CPM REQUESTED DELETION.pdf					5/6/2020
01.1001 Food Science CPM Modifications.pdf					5/6/2020
03.0601 Wildlife Ecology and Conservation CPM Modifications.pdf					5/6/2020
30.1901 Nutritional Sciences CPM Modifications.pdf					5/6/2020
01.1103 Horticultural Science CPM Modifications.pdf					5/6/2020
19.0707 FYCS CPM Modifications.pdf					5/6/2020
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			5/7/2020
No document changes					
Faculty Senate Steering Committee					
No document changes					
Faculty Senate					
No document changes					
Board of Trustees					
No document changes					
Board of Governors					
No document changes					
Academic Affairs					
Notified					
No document changes					
Articulation Coordinating Committee					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
Academic Assessment Committee					
Notified					
No document changes					
College Notified					
No document changes					

Program: Agricultural (Food & Resource) Economics **CIP:** 01.0103
Track: 1
Offered At: UF **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09
 Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
ACGX021	3
or — ACGX001	
& — ACGX011	
& — BSCX005/X005L	4
or — BSCX007/X007L	4
& — CHMX083	3
or — CHMX032/X032L	4
or — CHMX025/X025L	4
& — MACX233	3
& — STAX023	3
or — STAX014	3
or — STAX122	3
& — SPCX608	3

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<p>X <i>Angela Lindner</i></p> <hr/> First Name, Last Name Title: Email: alindner@aa.ufl.edu Phone: 352.846.1761
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Food and Resource Economics	CIP Code: 01.0103	Track (if appropriate):
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major): None		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
ACGX021	Accounting Principles (Condensed)	3
BSCX005/L	General Biology and Laboratory	4
CHMX083	Consumer Chemistry	3
MACX233	Calculus for Business & Social Science I	3
STAX023	Statistical Methods I	3
SPCX608	Public Speaking	3
Current Approved Common Prerequisite Credit Hours		19

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
ACGX021	3	21	11	Existing prerequisite
MACX233	3	28	10	Existing prerequisite
STAX023	3	28	11	Existing prerequisite (GE Core)
ECO013	3	28	11	Prerequisite for upper-level courses (GE Core)

1/31/2019



Common Prerequisite Proposal

Deleting: BSCX005/L, CHMX083, SPCX608. Physical and Biological Sciences are completed as part of General Education. Public Speaking is a degree requirement, but not required for admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited

IV. Review of Completion within 60 semester hours.

- A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX233	MAC1105 College Algebra	3
Number of College Level Prerequisites for Common Prerequisite Courses		3

- B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 12	Minus Number of Proposed Common Prerequisite Credit Hours
- 3	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 6	Plus Number of Common Prerequisites in General Education Core
51	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: ~~Agricultural (Food & Resource)~~ EconomicsCIP: 01.0103Track: 1Offered At: UFProgram Length: 120 Cr. Hrs.

REVISED 2/25/09

Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
ACGX021	3
or	
ACGX001	
&	
ACGX011	
&	
BSCX005/X005L	4
or	
BSCX007/X007L	4
&	
CHMX083	3
or	
CHMX032/X032L	4
or	
CHMX025/X025L	4
&	
MACX233	3
&	
STAX023	3
or	
STAX014	3
or	
STAX122	3
&	
SPCX608 <u>ECO013</u>	3

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

Food and Resource Economics Food and Agribusiness Marketing and Management Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BSC 2005 & 2005L	Biological Sciences and Laboratory in Biological Sciences	
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	
FOS 3042	Introductory Food Science	
FOR 3153C	Forest Ecology	
PLS 3004C	Principles of Plant Science	
WIS 2552	Biodiversity Conservation: Global Perspectives (Gen Ed Biological Sciences) ¹	
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

MAC 1147	Precalculus Algebra and Trigonometry (Gen Ed Mathematics; if needed, or select one elective)	4
	State Core Gen Ed Composition; Writing Requirement ²	3
	Elective	1
	Credits	15-16
Semester Two		
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 2233	Survey of Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	3
	Gen Ed Composition; Writing Requirement ²	3
	State Core Gen Ed Humanities ²	3
	Elective	3
	Credits	15
Semester Three		
ACG 2021	Introduction to Financial Accounting (Critical Tracking)	4
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
	State Core Gen Ed Biological or Physical Sciences ¹	3

Select one:		3
Gen Ed Social and Behavioral Sciences		
Gen Ed Humanities ²		
Credits		16
Semester Four		
ACG 2071 or AEB 3122	Introduction to Managerial Accounting or Financial Planning for Agribusiness	3-4
AEB 3103	Principles of Food and Resource Economics (Gen Ed Social and Behavioral Sciences)	4
AEC 3030C	Effective Oral Communication	3
Gen Ed Physical Sciences ¹		3
Elective		1
Credits		14-15
Semester Five		
AEB 2451	Economics of Resource Use	3
AEB 3300	Agricultural and Food Marketing	3
AEB 3510	Quantitative Methods in Food and Resource Economics	3
AEB 3935	Food and Resource Economics Seminar	1

Electives		5
Credits		15
Semester Six		
AEB 3133	Principles of Agribusiness Management	3
AEB 3144	Introduction to Agricultural Finance	3
AEB 3550	Agricultural Data Analysis in Food and Resource Economics	3
Electives		6
Credits		15
Semester Seven		
AEB 4138	Advanced Agribusiness Management	3
AEB 4242	International Trade Policy in Agriculture	3
Select one:		3-4
AEB 4334	Agricultural Price Analysis and Consumer Behavior	
ECO 3101	Intermediate Microeconomics ((students pursuing graduate studies should take this course))	
Approved Food and agribusiness marketing and management electives		6
Credits		15-16
Semester Eight		

AEB 3281	Agricultural Macroeconomics	3
AEB 4325	Contemporary Issues in Agribusiness Management	3
AEB 4342	Agribusiness and Food Marketing Management	3
Approved Food and agribusiness marketing and management elective		3
Elective		3
Credits		15
Total Credits		120

Plan of Study Grid

¹ At least one science course (e.g., SWS 3022L) must include a laboratory component.

² The order in which these courses are taken is not important.

APPROVED ELECTIVES

Code	Title	Credits
AEB 3315	Futures Markets and Risk Management in Agriculture	3
AEB 3341	Selling Strategically	3
AEB 3671	Comparative World Agriculture (Gen Ed Social and Behavioral Sciences with International)	3
AEB 4309	Food Wholesaling and Retail Marketing	3

Code	Title	Credits
AEB 4343	International Agribusiness Marketing (Gen Ed Social and Behavioral Sciences)	3
AEB 4380	Agricultural Marketing Strategies	3
AEB 4424	Human Resources Management in Agribusiness	3
AEC 3414	Leadership Development	3
ALS 4404	International Studies	3
ENT 3003	Principles of Entrepreneurship	4
Course List		

Food and Resource Economics International Food and Resource Economics Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BSC 2005 & 2005L	Biological Sciences and Laboratory in Biological Sciences	
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	
FOS 3042	Introductory Food Science	
FOR 3153C	Forest Ecology	
PLS 3004C	Principles of Plant Science	
WIS 2552	Biodiversity Conservation: Global Perspectives (Gen Ed Biological Sciences) ¹	
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

MAC 1147	Precalculus Algebra and Trigonometry (Gen Ed Mathematics; if needed, or select one elective)	4
	State Core Gen Ed Composition; Writing Requirement ²	3
	Elective	1
	Credits	15-16
Semester Two		
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 2233	Survey of Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	3
	Gen Ed Composition; Writing Requirement ²	3
	State Core Gen Ed Humanities ²	3
	Elective	3
	Credits	15
Semester Three		
ACG 2021	Introduction to Financial Accounting (Critical Tracking)	4
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
	State Core Gen Ed Biological or Physical Sciences ¹	3

Select one:		3
Gen Ed Social and Behavioral Sciences		
Gen Ed Humanities ²		
Credits		16
Semester Four		
ACG 2071 or AEB 3122	Introduction to Managerial Accounting or Financial Planning for Agribusiness	3-4
AEB 3103	Principles of Food and Resource Economics (Gen Ed Social and Behavioral Sciences)	4
AEC 3030C	Effective Oral Communication	3
Gen Ed Physical Sciences ¹		3
Elective		1
Credits		14-15
Semester Five		
AEB 2451	Economics of Resource Use	3
AEB 3300	Agricultural and Food Marketing	3
AEB 3510	Quantitative Methods in Food and Resource Economics	3
AEB 3935	Food and Resource Economics Seminar	1

Electives		6
	Credits	16
Semester Six		
AEB 3133	Principles of Agribusiness Management	3
AEB 3144	Introduction to Agricultural Finance	3
AEB 3550	Agricultural Data Analysis in Food and Resource Economics	3
AEB 3671	Comparative World Agriculture (Gen Ed Social and Behavioral Sciences with International)	3
Elective		3
	Credits	15
Semester Seven		
Select one:		3-4
AEB 4334	Agricultural Price Analysis and Consumer Behavior	
ECO 3101	Intermediate Microeconomics (students pursuing graduate studies should take this course)	
AEB 4242	International Trade Policy in Agriculture (Gen Ed Social and Behavioral Sciences)	3
AEB 4343	International Agribusiness Marketing (Gen Ed Social and Behavioral Sciences)	3
Approved International electives		6

Credits		15-16
Semester Eight		
AEB 3281	Agricultural Macroeconomics	3
ECO 3704	International Trade	4
Electives		4
Approved International elective		3
Credits		14
Total Credits		120
Plan of Study Grid		

¹ At least one science course (e.g., SWS 3022L) must include a laboratory component.

² The order in which these courses are taken is not important.

APPROVED ELECTIVES

Code	Title	Credits
AEB 4282	International Humanitarian Assistance (Gen Ed Social and Behavioral Sciences with International)	3
AEB 4283	International Development Policy (Gen Ed Social and Behavioral Sciences)	3

Code	Title	Credits
ALS 4404	International Studies	1-3
URP 3001	Cities of the World (Gen Ed Social and Behavioral Sciences with International)	3
Any 3000 level or above course in LAS, EUS or AFS		3
Course List		

Certificate Of Completion

Envelope Id: 61CE61E1EB954FABBF19E2B787E9AA80	Status: Completed
Subject: Please DocuSign: 01.0103 Food and Resource Economics CPM Modifications.pdf	
Source Envelope:	
Document Pages: 16	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/5/2020 2:24:55 PM	k.bagley@ufl.edu	

Signer Events

Signer Events	Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/5/2020 2:26:05 PM Viewed: 5/5/2020 4:59:16 PM Signed: 5/5/2020 4:59:27 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

In Person Signer Events	Signature	Timestamp

Editor Delivery Events

Editor Delivery Events	Status	Timestamp

Agent Delivery Events

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events

Certified Delivery Events	Status	Timestamp

Carbon Copy Events

Carbon Copy Events	Status	Timestamp
Casey Griffith lilgriff@ufl.edu Security Level: Email, Account Authentication (None)		Sent: 5/5/2020 2:26:06 PM Viewed: 5/5/2020 2:26:35 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Witness Events	Signature	Timestamp

Notary Events

Notary Events	Signature	Timestamp

Envelope Summary Events

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/5/2020 2:26:06 PM
Certified Delivered	Security Checked	5/5/2020 4:59:16 PM
Signing Complete	Security Checked	5/5/2020 4:59:27 PM
Completed	Security Checked	5/5/2020 4:59:27 PM

Payment Events

Status

Timestamps

Program: Landscape and Nursery Horticulture **CIP:** 01.0603
Track: 1
Offered At: UF **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09
 Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.	
MACX147	4	
or- MACX140		
&- MACX114		
or- MACX105		
&- MACX114		
&- CHMX045/X045L	4	General Chemistry I w/ Lab
or- CHMX045C	4	General Chemistry I w/ Lab
or- CHMX040		
&- CHMX041		
&- CHMX045L		
&- BOTX010C	4	Botany I w/ Lab
or- BOTX010/X010L	4	Botany I w/ Lab
or- BSCX010/X010L	4	Biology I w/ Lab
or- BSCX010C	4	Biology I w/ Lab
&- BOTX011C	4	Plant Diversity and Lab
or- BOTX011/X011L	4	Plant Diversity and Lab
or- BSCX011/X011L	4	Biology II w/ Lab
or- BSCX011C	4	Biology II w/ Lab
&- PHYX004	3	Applied Physics I
or- PHYX020	3	Introduction to Physics
&- ECOX023	3	Microeconomics
&- SPCX608	3	
&- ENCX210	3	
or- ENCX213	3	

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

 NOTE: Students who select the Restoration Horticulture option must complete CHMX046/X046L and MACX233 with grades of C or better.

Program: Landscape and Nursery Horticulture **CIP:** 01.0603
Track: 1
Offered At: UF **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09

Technical 12/11/2018

DELETE: B.S. degree closed in 2012 and merged into Plant Science (01.1101)

LOWER LEVEL COURSES

	Cr. Hrs.	
MACX147	4	
or MACX140		
&- MACX114		
or MACX105		
&- MACX114		
&- CHMX045/X045L	4	General Chemistry I w/ Lab
or CHMX045C	4	General Chemistry I w/ Lab
or CHMX040		
&- CHMX041		
&- CHMX045L		
&- BOTX010C	4	Botany I w/ Lab
or BOTX010/X010L	4	Botany I w/ Lab
or BSCX010/X010L	4	Biology I w/ Lab
or BSCX010C	4	Biology I w/ Lab
&- BOTX011C	4	Plant Diversity and Lab
or BOTX011/X011L	4	Plant Diversity and Lab
or BSCX011/X011L	4	Biology II w/ Lab
or BSCX011C	4	Biology II w/ Lab
&- PHYX004	3	Applied Physics I
or PHYX020	3	Introduction to Physics
&- ECO203	3	Microeconomics
&- SPCX608	3	
&- ENCX210	3	
or ENCX213	3	

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

NOTE: Students who select the Restoration Horticulture option must complete CHMX046/X046L and MACX233 with grades of C or better.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges:	<p>X <i>Angela Lindner</i></p> <hr/> First Name, Last Name Title: Email: alindner@aa.ufl.edu Phone: 352.846.1761
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Food Science & Technology	CIP Code: 01.1001	Track (if appropriate): Track 1
Does this proposal align with a current track?	Yes: Food Science	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
BSCX011/L	General Biology II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX045/L	General Chemistry II and Laboratory	4
ECOX013	Macroeconomics	3
PHYX004/L	Technical Physics I with Laboratory	4
STAX023	Statistical Methods	3
MACX311	Analytic Geometry & Calculus I	4
Current Approved Common Prerequisite Credit Hours		30

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite (GE Core)
BSCX011/L	4	28	11	Existing prerequisite
CHMX045/L	4	28	11	Existing prerequisite (GE Core)

1/31/2019



Common Prerequisite Proposal

CHMX046/L	4	28	11	Existing prerequisite
MACX311	4	28	11	Existing prerequisite (GE Core)

Deleting ECOX013, PHYX004/L and STAX023 as prerequisites. While a course in economics, physics and statistics are required for the degree, these are not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited.

IV. Review of Completion within 60 semester hours.

- A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX311	A COURSE FROM MAC _100 - _109 AND MAC _110 - 119,	6
Number of College Level Prerequisites for Common Prerequisite Courses		6

- B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 20	Minus Number of Proposed Common Prerequisite Credit Hours
- 6	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 9	Plus Number of Common Prerequisites in General Education Core
43	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

1/31/2019



Common Prerequisite Proposal

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: Food Science & Technology **CIP:** 01.1001
Food Science **Track:** 1/2
Offered At: UF **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09
 Technical revision 7/5/2018
 Technical 12/11/2018

**There are no longer multiple tracks in this CIP code.
 Two previous tracks: Dietetics and Nutritional
 Sciences were moved to new CIP codes in 2014.**

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
& _____ BSCX011/X011L	4
or- BSCX011C	4
or- BOTX011/X011L	4
or- BOTX011C	4
& _____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& _____ CHMX046/X046L	4
or- CHMX046C	4
& _____ ECOX013	3
or- ECOX023	3
& _____ PHYX004/X004L	4
or- PHYX053C	4
& _____ STAX023	3
or- STAX014	3
or- STAX122	3
&- MACX311 ⁽¹⁾	4

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

 Students MUST achieve a 2.5 GPA or better in all of the above science and math courses.

Program:	<u>Animal Science</u>	CIP:	<u>01.0901</u>
	<u>Animal Industry</u>	Track:	<u>2/2</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

NEW 2/25/09
 Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
&_____ BSCX011/X011L	4
or- BSCX011C	4
&_____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
&_____ ECOX023	3
or- ECOX013	3
&_____ ENCX213	3
or- ENCX210	3
&_____ MACX147	4
or- MACX114	
&- MACX140	
or- MACX105	
&- MACX114	
&- SPCX608	3
&- MCBX000/X000L	4

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

Cover Sheet: Request 9045

Food Science

Info

Process	Undergraduate Degree Programs
Status	Approved
Submitter	Anne Casella kendall@ufl.edu
Created	12/24/2013 11:22:20 AM
Updated	12/10/2014 1:23:44 PM
Description of request	CIP 01.1001 The FSHN Department is proposing to rename its major Food Science once the proposals to elevate the Dietetics and Nutritional Sciences specializations to major status have been approved..

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Food Science and Human Nutrition 514915000	Susan Percival		12/24/2013
FSHN major change cover letter.doc					12/24/2013
College	Approved	CALS - College of Agricultural and Life Sciences	R Turner	Approved by CALS Curriculum Committee	12/29/2013
Food Science catalog copy-1.docx					12/27/2013
UCC_memo_FSHNmajorchanges.doc					12/29/2013
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Sarah Barker	This request will be on the January 2014 UCC agenda.	1/6/2014
No document changes					
University Curriculum Committee	Approved	PV - University Curriculum Committee (UCC)	Sarah Barker		1/24/2014
No document changes					
Faculty Senate Steering Committee	Approved	FAC - Faculty Senate Steering Committee	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Information Item	Approved	FAC - Faculty Senate	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Action Item	Approved	FAC - Faculty Senate	Susan Alvers		3/21/2014
No document changes					
Office of the Provost	Approved	PV - Office of the Provost	Cheryl May	Will present to the Board of Trustees at the March 27, 2014 meeting.	3/21/2014
No document changes					
Board of Trustees	Approved	Board of Trustees	Cheryl May	Approved at the March 28, 2014 BOT meeting.	3/31/2014
No document changes					

Step	Status	Group	User	Comment	Updated
Board of Governors	Approved	Board of Governors	Cheryl May	Board of Governors approval not required.	11/7/2014
No document changes					
Office of the Registrar	Approved	REG - Office of the Registrar (OUR)	Mallori Wojcik	Added bachelor level to existing FSC major. Ended bachelor level of FS major.	12/10/2014
No document changes					
Office of Institutional Planning and Research	Approved	PV - Office of Institutional Planning and Research	Marie Zeglen		12/10/2014
No document changes					

Food Science

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Humanities		3
Elective		1
Credits		15
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You	

AEB 3103	Principles of Food and Resource Economics	
ECO 2013	Principles of Macroeconomics	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Electives		4
Credits		14-15
Semester Three		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	4
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1 (Gen Ed Physical Sciences)	4
Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		1
Credits		15
Semester Four		

AEB 3114L	Introduction to Agricultural Computer Applications	1
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2210	Organic Chemistry 1 (minimum grade of C within two attempts, including withdrawals) ¹	3
FOS 3042	Introductory Food Science	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
Elective		1
Credits		15
Semester Five		
AEC 3030C	Effective Oral Communication	3
CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
FOS 4722C	Quality Control in Food Systems	3
Elective		4
Credits		15
Semester Six		
FOS 4311 & 4311L	Food Chemistry and Food Chemistry Laboratory	4

FOS 4731	Government Regulations and the Food Industry	2
HUN 2201	Fundamentals of Human Nutrition	3
MCB 2000 & 2000L	Microbiology and Microbiology Laboratory	4
Elective		3
Credits		16
Semester Seven		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
AOM 4062	Principles of Food Engineering	4
BCH 3025	Fundamentals of Biochemistry	4
FOS 4321C	Food Analysis	4
Credits		15
Semester Eight		
FOS 4222 & 4222L	Food Microbiology and Food Microbiology Laboratory	5
FOS 4427C	Principles of Food Processing	4
FOS 4435C	Food Product Development	3
Elective		3

Credits	15
Total Credits	120
Plan of Study Grid	

¹ Take (CHM 2210 and CHM 2211/CHM 2211L) or (MAC 2312 and CHM 2200/CHM 2200L).

Additional electives may be needed to complete the 120 credits required for graduation.

Certificate Of Completion

Envelope Id: 3B2D73762D854B84AE4909AA0AE05336	Status: Completed
Subject: Please DocuSign: 01.1001 Food Science CPM Modifications.pdf	
Source Envelope:	
Document Pages: 12	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/6/2020 10:45:39 AM	k.bagley@ufl.edu	

Signer Events

Signer Events	Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/6/2020 10:46:13 AM Viewed: 5/6/2020 1:50:27 PM Signed: 5/6/2020 1:50:36 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

In Person Signer Events	Signature	Timestamp
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Editor Delivery Events

Editor Delivery Events	Status	Timestamp
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Agent Delivery Events

Agent Delivery Events	Status	Timestamp
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Intermediary Delivery Events

Intermediary Delivery Events	Status	Timestamp
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Certified Delivery Events

Certified Delivery Events	Status	Timestamp
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Carbon Copy Events

Carbon Copy Events	Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)		Sent: 5/6/2020 10:46:13 AM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Witness Events	Signature	Timestamp
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Notary Events

Notary Events	Signature	Timestamp
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Envelope Summary Events

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/6/2020 10:46:13 AM
Certified Delivered	Security Checked	5/6/2020 1:50:27 PM
Signing Complete	Security Checked	5/6/2020 1:50:36 PM
Completed	Security Checked	5/6/2020 1:50:36 PM

Payment Events

Status

Timestamps

Program:	<u>Food Science & Technology</u>	CIP:	<u>01.1001</u>
	<u>Food Science</u>	Track:	<u>1/2</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 2/25/09

Technical revision 7/5/2018

Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
& _____ BSCX011/X011L	4
or- BSCX011C	4
or- BOTX011/X011L	4
or- BOTX011C	4
& _____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& _____ CHMX046/X046L	4
or- CHMX046C	4
& _____ ECOX013	3
or- ECOX023	3
& _____ PHYX004/X004L	4
or- PHYX053C	4
& _____ STAX023	3
or- STAX014	3
or- STAX122	3
&- MACX311 ⁽¹⁾	4

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

Students MUST achieve a 2.5 GPA or better in all of the above science and math courses.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges:	<p>X <i>Angela Lindner</i></p> <hr/> First Name, Last Name Title: Email: alindner@aa.ufl.edu Phone: 352.846.1761
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Food Science & Technology	CIP Code: 01.1001	Track (if appropriate): Track 1
Does this proposal align with a current track?	Yes: Food Science	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
BSCX011/L	General Biology II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX045/L	General Chemistry II and Laboratory	4
ECOX013	Macroeconomics	3
PHYX004/L	Technical Physics I with Laboratory	4
STAX023	Statistical Methods	3
MACX311	Analytic Geometry & Calculus I	4
Current Approved Common Prerequisite Credit Hours		30

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite (GE Core)
BSCX011/L	4	28	11	Existing prerequisite
CHMX045/L	4	28	11	Existing prerequisite (GE Core)

1/31/2019



Common Prerequisite Proposal

CHMX046/L	4	28	11	Existing prerequisite
MACX311	4	28	11	Existing prerequisite (GE Core)

Deleting ECOX013, PHYX004/L and STAX023 as prerequisites. While a course in economics, physics and statistics are required for the degree, these are not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited.

IV. Review of Completion within 60 semester hours.

- A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX311	A COURSE FROM MAC _100 - _109 AND MAC _110 - 119,	6
Number of College Level Prerequisites for Common Prerequisite Courses		6

- B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 20	Minus Number of Proposed Common Prerequisite Credit Hours
- 6	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 9	Plus Number of Common Prerequisites in General Education Core
43	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

1/31/2019



Common Prerequisite Proposal

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: Food Science & Technology **CIP:** 01.1001
Food Science **Track:** 1/2
Offered At: UF **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09
 Technical revision 7/5/2018
 Technical 12/11/2018

**There are no longer multiple tracks in this CIP code.
 Two previous tracks: Dietetics and Nutritional
 Sciences were moved to new CIP codes in 2014.**

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
& _____ BSCX011/X011L	4
or- BSCX011C	4
or- BOTX011/X011L	4
or- BOTX011C	4
& _____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& _____ CHMX046/X046L	4
or- CHMX046C	4
& _____ ECOX013	3
or- ECOX023	3
& _____ PHYX004/X004L	4
or- PHYX053C	4
& _____ STAX023	3
or- STAX014	3
or- STAX122	3
&- MACX311 ⁽¹⁾	4

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

 Students MUST achieve a 2.5 GPA or better in all of the above science and math courses.

Cover Sheet: Request 9045

Food Science

Info

Process	Undergraduate Degree Programs
Status	Approved
Submitter	Anne Casella kendall@ufl.edu
Created	12/24/2013 11:22:20 AM
Updated	12/10/2014 1:23:44 PM
Description of request	CIP 01.1001 The FSHN Department is proposing to rename its major Food Science once the proposals to elevate the Dietetics and Nutritional Sciences specializations to major status have been approved..

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Food Science and Human Nutrition 514915000	Susan Percival		12/24/2013
FSHN major change cover letter.doc					12/24/2013
College	Approved	CALS - College of Agricultural and Life Sciences	R Turner	Approved by CALS Curriculum Committee	12/29/2013
Food Science catalog copy-1.docx UCC_memo_FSHNmajorchanges.doc					12/27/2013 12/29/2013
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Sarah Barker	This request will be on the January 2014 UCC agenda.	1/6/2014
No document changes					
University Curriculum Committee	Approved	PV - University Curriculum Committee (UCC)	Sarah Barker		1/24/2014
No document changes					
Faculty Senate Steering Committee	Approved	FAC - Faculty Senate Steering Committee	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Information Item	Approved	FAC - Faculty Senate	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Action Item	Approved	FAC - Faculty Senate	Susan Alvers		3/21/2014
No document changes					
Office of the Provost	Approved	PV - Office of the Provost	Cheryl May	Will present to the Board of Trustees at the March 27, 2014 meeting.	3/21/2014
No document changes					
Board of Trustees	Approved	Board of Trustees	Cheryl May	Approved at the March 28, 2014 BOT meeting.	3/31/2014
No document changes					

Step	Status	Group	User	Comment	Updated
Board of Governors	Approved	Board of Governors	Cheryl May	Board of Governors approval not required.	11/7/2014
No document changes					
Office of the Registrar	Approved	REG - Office of the Registrar (OUR)	Mallori Wojcik	Added bachelor level to existing FSC major. Ended bachelor level of FS major.	12/10/2014
No document changes					
Office of Institutional Planning and Research	Approved	PV - Office of Institutional Planning and Research	Marie Zeglen		12/10/2014
No document changes					

Food Science

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Humanities		3
Elective		1
Credits		15
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You	

AEB 3103	Principles of Food and Resource Economics	
ECO 2013	Principles of Macroeconomics	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Electives		4
Credits		14-15
Semester Three		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	4
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1 (Gen Ed Physical Sciences)	4
Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		1
Credits		15
Semester Four		

AEB 3114L	Introduction to Agricultural Computer Applications	1
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2210	Organic Chemistry 1 (minimum grade of C within two attempts, including withdrawals) ¹	3
FOS 3042	Introductory Food Science	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
Elective		1
Credits		15
Semester Five		
AEC 3030C	Effective Oral Communication	3
CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
FOS 4722C	Quality Control in Food Systems	3
Elective		4
Credits		15
Semester Six		
FOS 4311 & 4311L	Food Chemistry and Food Chemistry Laboratory	4

FOS 4731	Government Regulations and the Food Industry	2
HUN 2201	Fundamentals of Human Nutrition	3
MCB 2000 & 2000L	Microbiology and Microbiology Laboratory	4
Elective		3
Credits		16
Semester Seven		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
AOM 4062	Principles of Food Engineering	4
BCH 3025	Fundamentals of Biochemistry	4
FOS 4321C	Food Analysis	4
Credits		15
Semester Eight		
FOS 4222 & 4222L	Food Microbiology and Food Microbiology Laboratory	5
FOS 4427C	Principles of Food Processing	4
FOS 4435C	Food Product Development	3
Elective		3

Credits	15
Total Credits	120
Plan of Study Grid	

¹ Take (CHM 2210 and CHM 2211/CHM 2211L) or (MAC 2312 and CHM 2200/CHM 2200L).

Additional electives may be needed to complete the 120 credits required for graduation.

Certificate Of Completion

Envelope Id: 3B2D73762D854B84AE4909AA0AE05336	Status: Completed
Subject: Please DocuSign: 01.1001 Food Science CPM Modifications.pdf	
Source Envelope:	
Document Pages: 12	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/6/2020 10:45:39 AM	k.bagley@ufl.edu	

Signer Events

Signer Events	Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/6/2020 10:46:13 AM Viewed: 5/6/2020 1:50:27 PM Signed: 5/6/2020 1:50:36 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

In Person Signer Events	Signature	Timestamp

Editor Delivery Events

Editor Delivery Events	Status	Timestamp

Agent Delivery Events

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events

Certified Delivery Events	Status	Timestamp

Carbon Copy Events

Carbon Copy Events	Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)		Sent: 5/6/2020 10:46:13 AM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Witness Events	Signature	Timestamp

Notary Events

Notary Events	Signature	Timestamp

Envelope Summary Events

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/6/2020 10:46:13 AM
Certified Delivered	Security Checked	5/6/2020 1:50:27 PM
Signing Complete	Security Checked	5/6/2020 1:50:36 PM
Completed	Security Checked	5/6/2020 1:50:36 PM

Payment Events

Status

Timestamps

Program: Plant Sciences **CIP:** 01.1101
Track: 1
Offered At: UF **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09
 Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
— BOTX010/X010L	4
or— BOTX010C	4
or— BSCX010/X010L	4
or— BSCX010C	4
&— BOTX011/X011L	4
or— BOTX011C	4
or— BSCX011/X011L	4
or— BSCX011C	4
&— CHMX045/X045L	4
or— CHMX045C	4
or— CHMX040	
&— CHMX041	
&— CHMX045L	
&— CHMX046/X046L	4
or— CHMX046C	4
&— ECOX023	4
or— ECOX013	4
&— ENCX213	3
or— ENCX210	3
&— MACX147	4
or— MACX140	
&— MACX114	
or— MACX105	
&— MACX114	
&— PHYX004L	1
or— PHYX053L	1
&— SPCX608	3

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: 2em; margin: 0;">X</p> <p style="font-family: cursive; margin: 0;">Angela Lindner</p> <hr style="border: 0.5px solid black;"/> <p>First Name, Last Name</p> <p>Title:</p> <p>Email: alindner@aa.ufl.edu</p> <p>Phone: 352.846.1761</p> </div>
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Plant Science	CIP Code: 01.1101	Track (if appropriate):
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BOTX010/L	Botany I and Laboratory	4
BOTX011/L	Botany II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX046/L	General Chemistry II and Laboratory	4
ECOX023	Microeconomics	3
ENCX213	Technical and Business Writing	3
MACX147	Precalculus Algebra/Trigonometry	4
PHYX004L	Technical Physics Laboratory	1
SPCX608	Public Speaking	3
Current Approved Common Prerequisite Credit Hours		30

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	21	11	Alternative to existing prerequisite (GE Core)
BSCX011/L	4	28	10	Alternative to existing prerequisite

1/31/2019



Common Prerequisite Proposal

CHMX045/L	4	28	11	Existing prerequisite (GE Core)
CHMX046/L	4	28	11	Existing prerequisite
ECOX013	3	28	11	Existing prerequisite as alternative to ECOX023
MACX147	4	28	11	Existing prerequisite

Deleting: ENCX213, PHYX004L, SPCX608: while these courses are required for the degree, they are not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited

IV. Review of Completion within 60 semester hours.

A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX147	MAC1105 or placement score	3
Number of College Level Prerequisites for Common Prerequisite Courses		3

B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 23	Minus Number of Proposed Common Prerequisite Credit Hours
- 3	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 6	Plus Number of Common Prerequisites in General Education Core
40	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

1/31/2019



Common Prerequisite Proposal

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program:	<u>Plant Sciences</u>	CIP:	<u>01.1101</u>
		Track:	<u>1</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 2/25/09
 Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
<u>BOTX040BSCX010/X01</u> 0L	4
<u>BOTX040CBSCX010C</u>	4
or- <u>BSCX040BOTX010/X01</u> 0L	4
or- <u>BOTSCX010C</u>	4
or- <u>BOTX044BSCX011/X01</u> 1L	4
& <u>BOTX044CBSCX011C</u>	4
or- <u>BSCX044BOTX011/X01</u> 1L	4
or- <u>BSCX044CBOTX011C</u>	4
& CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& CHMX046/X046L	4
or- CHMX046C	4
& ECOX023	4
or- ECOX013	4
& <u>ENCX213</u>	3
or- <u>ENCX210</u>	3
& MACX147	4
or- MACX140	
&- MACX114	
or- MACX105	
&- MACX114	
& <u>PHYX004L</u>	1
or- <u>PHYX053L</u>	1
&- <u>SPCX608</u>	3

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

-
- (1) BSCX011/X011L is NOT required for the Soil Management and Plant Productivity specialization.
 - (2) CHMX046/X046L is NOT required for specializations in General Plant Science, Greenhouse and Landscape Industries, Sustainable Crop Production or Turfgrass Science.

Plant Science Plant Breeding and Genetics Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement: 6,000 words)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
	Credits	13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

Credits		14
Semester Four		
AGR 3303	Genetics	3
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking: Gen Ed Biological Sciences and Physical Sciences)	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory	4
Approved elective		3
Credits		14
Summer After Semester Four		
CHM 2210	Organic Chemistry 1	3
Elective (Writing Requirement: 6,000 words)		3
Credits		6
Semester Five		
CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
PLS 3004C	Principles of Plant Science	3
Ethical and social issues elective		3

Production agriculture elective		3
Credits		14
Semester Six		
AGR 4320	Plant Breeding	3
BCH 3025 or BCH 4024	Fundamentals of Biochemistry or Introduction to Biochemistry and Molecular Biology	4
MCB 3020 & 3020L	Basic Biology of Microorganisms and Laboratory for Basic Biology of Microorganisms	4
Molecular biology and genetics elective		3
Credits		14
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
PLP 3002C	Fundamentals of Plant Pathology	4
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3
Ecology and the environment elective		3
Molecular biology and genetics elective		3

Production agriculture elective		3
Credits		16
Semester Eight		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3
AGR 4304	Plant Chromosomes and Genomes	3
AGR 4512	Physiology and Ecology of Crops	3
PLS 4950	Plant Science Capstone	3
ORH 4933	Professional Seminar in Environmental Horticulture	1
Credits		13
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 21 CREDITS

Choose courses from each focus area; minimum credits for each area listed below. Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Molecular Biology and Genetics | Minimum 6 Credits

Code	Title	Credits
HOS 3305	Introduction to Plant Molecular Biology	3
HOS 4313C	Laboratory Methods in Plant Molecular Biology	2
MCB 4304	Genetics of Microorganisms	3
MCB 4320C	The Microbiome	3
MCB 5305L	Microbial Genetics Lab	2
PCB 4522	Molecular Genetics	3
Course List		

Production Agriculture | Minimum 6 Credits

Code	Title	Credits
AGR 4212	Alternative Cropping Systems	3
AGR 4214C	Applied Field Crop Production	3
AGR 4231C	Forage Science and Range Management	4
AGR 4932	Agronomy Topics (Tropical Cropping Systems)	3
AOM 3734	Irrigation Principles and Practices in Florida	3
AOM 4434	Precision Agriculture	3
AOM 4455	Agricultural Operations and Systems	3

Code	Title	Credits
HOS 3281C	Organic and Sustainable Crop Production	3
HOS 4283C	Advanced Organic and Sustainable Crop Production	3
PLS 4242C	Micropropagation of Horticultural Crops	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory	4
Course List		

Ecology and the Environment | Minimum 3 Credits

Code	Title	Credits
ALS 3133	Agricultural and Environmental Quality	3
ALS 3153	Agricultural Ecology	3
ALS 4154	Global Agroecosystems	3
EES 4103	Applied Ecology	2
EVS 3000	Environmental Science	3
PCB 3601C	Plant Ecology	3
PCB 4043C	General Ecology	4
Course List		

Ethical and Social Issues | Minimum 3 Credits

Code	Title	Credits
AEB 4123	Agricultural and Natural Resource Law	3
AGG 3501	Environment, Food and Society	3
IDS 2154	Facets of Sustainability	3
PHM 3032	Ethics and Ecology	3
POT 3503	Environmental Ethics and Politics	3
Course List		

Other Advisor-Approved Electives | Minimum 3 Credits

Plant Science Community Food Systems Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Biological or Physical Sciences		2
State Core Gen Ed Humanities		3
Credits		15-16

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
Select one:		3
ESC 1000	Introduction to Earth Science (Gen Ed Physical Sciences)	
GEO 2200	Physical Geography (Gen Ed Physical Sciences)	
PHY 2004	Applied Physics 1 (Gen Ed Physical Sciences)	
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences)	
SWS 2007	The World of Water (Gen Ed Physical Sciences)	
State Core Gen Ed Social and Behavioral Sciences		3
Credits		16
Semester Three		
Select one:		3-4

AEB 2014	Economic Issues, Food and You (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Physical Sciences)	3
HUN 2201	Fundamentals of Human Nutrition	3
Select one:		3
Gen Ed Humanities		
Gen Ed Social and Behavioral Sciences		
Credits		15-16
Semester Four		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
CHM 1031	Basic Chemistry Concepts and Applications 2 (Gen Ed Biological and Physical Sciences)	3

Select one (Gen Ed Physical Sciences):	3
ESC 1000 Introduction to Earth Science	
GEO 2200 Physical Geography	
PHY 2004 Applied Physics 1	
PHY 2020 Introduction to Principles of Physics	
SWS 2007 The World of Water	
Gen Ed Composition; Writing Requirement	3
Elective	2
Credits	14
Semester Five	
FYC 3001 Principles of Family, Youth and Community Sciences	3
PLS 3004C Principles of Plant Science	3
Cultural and social issues elective	3
Ecology and the environment elective	3
Ethics elective	3
Credits	15
Semester Six	

SWS 3022	Introduction to Soils in the Environment	3
Business and organizational management elective		3
Ecology and the environment elective		3
Economic issues elective		3
Production issues elective		3
Credits		15
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
URP 4000	Preview of Urban and Regional Planning	3
Approved elective		3
Business and organizational management elective		3
Cultural and social issues elective		3
Economic issues elective		3
Credits		15
Semester Eight		

PLS 4950	Plant Science Capstone	3
URP 4273	Survey of Planning Information Systems	3
Approved elective		3
Production issues elective		3
Credits		12
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 39 CREDITS

Choose courses from each focus area; minimum credits for each area listed below. Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Ethics | Minimum 3 Credits

Code	Title	Credits
AEB 4126	Agricultural and Natural Resource Ethics	3
REL 3171	Ethics in America	3
Course List		

Ecology and the Environment | Minimum 6 Credits

Code	Title	Credits
AGG 3501	Environment, Food and Society	3
AGR 4212	Alternative Cropping Systems	3
ALS 3133	Agricultural and Environmental Quality	3
AOM 2520	Global Sustainable Energy: Past, Present and Future	3
GEO 3372	Conservation of Resources	3
IPM 3022	Fundamentals of Pest Management	3
Course List		

Cultural and Social Issues | Minimum 6 Credits

Code	Title	Credits
EES 4103	Applied Ecology (Food and Culture)	2
FYC 3401	Introduction to Social and Economic Perspectives on the Community	3
FYC 4126	Urban and Rural America in Transition	3
GEA 1000	Geography for a Changing World	3
GEO 2410	Social Geography	3

Code	Title	Credits
GEO 2420	Introduction to Human Geography	3
SYD 4020	Population	3
URP 3001	Cities of the World	3
Course List		

Production Issues | Minimum 6 Credits

Code	Title	Credits
AGR 4214C	Applied Field Crop Production	3
AGR 4932	Agronomy Topics (Tropical Cropping Systems)	3
GEO 3315	Geography of Crop Plants	3
HOS 3281C	Organic and Sustainable Crop Production	3
PLS 2003C	Plants That Feed the World	3
VEC 2100	World Herbs and Vegetables	3
Course List		

Economic Issues | Minimum 6 Credits

Code	Title	Credits
AEB 3450	Introduction to Natural Resource and Environmental Economics	3
AEB 3671	Comparative World Agriculture	3
AEB 4123	Agricultural and Natural Resource Law	3
AEB 4283	International Development Policy	3
GEO 2500	Global and Regional Economies	3
GEO 3502	Economic Geography	3
Course List		

Business and Organizational Management | Minimum 6 Credits

Code	Title	Credits
AEC 3413	Working with People: Interpersonal Leadership Skills	3
AEC 3414	Leadership Development	3
FYC 4408	Organizational Leadership for Nonprofits	3
FYC 4409	Working with Nonprofit Organizations in Community Settings	3
FYC 4410	Fund Raising for Community Nonprofit Organizations	3
FYC 4426	Risk Management in Nonprofit Organizations	3
PUR 3000	Principles of Public Relations	3

Code	Title	Credits
Course List		

Plant Science General Plant Science Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement: 6,000 words)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
	Credits	13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4
	Credits	14

Semester Four		
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	3
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1 (Gen Ed Biological and Physical Sciences)	4
PLS 3004C	Principles of Plant Science (Gen Ed Biological and Physical Sciences)	3
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological and Physical Sciences)	4
Credits		14
Summer After Semester Four		
ORH 3513 & 3513L	Environmental Plant Identification and Use and Environmental Plant Identification and Use Laboratory	3
Elective (Writing Requirement: 6,000 words)		3
Credits		6
Semester Five		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3
BCH 3023	Elementary Organic and Biological Chemistry	3
PLP 3002C	Fundamentals of Plant Pathology	4

PLS 4601C	Principles of Weed Science	3
Approved elective		3
Credits		16
Semester Six		
AGR 4512 or HOS 4304	Physiology and Ecology of Crops or Horticultural Physiology	3
Approved electives		9
Credits		12
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3
Approved electives		11
Credits		14
Semester Eight		
ORH 4933	Professional Seminar in Environmental Horticulture	1

PLS 4950	Plant Science Capstone	3
Approved electives		11
Credits		15
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 34 CREDITS

Choose courses from the focus areas below. Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Code	Title	Credits
Entomology and Pest Management		
AOM 3333	Pesticide Application Techniques	3
ENY 3510C	Turf and Ornamental Entomology	3
ENY 4161	Insect Classification	3
ENY 4573	Beekeeping	3
IPM 3022	Fundamentals of Pest Management	3

Code	Title	Credits
IPM 4254	Landscape Integrated Pest Management: Ornamentals and Turf	3
NEM 3002	Principles of Nematology	3
Plants and Soils		
BOT 2710C	Practical Plant Taxonomy	3
BOT 3503	Physiology and Molecular Biology of Plants	3
BOT 4650	Plant Symbiosis	3
BOT 4935/5225C	Special Topics	4
BSC 2862	Global Change Ecology and Sustainability	3
ORH 3222C	Turfgrass Culture	4
ORH 3253C	Introductory Nursery Management	4
ORH 4236C	Ornamental Landscape Management	3
ORH 4242C	Arboriculture	4
ORH 4256	Nutritional Management of Nursery Crops	3
ORH 4264	Greenhouse and Nursery Crop Culture	3
ORH 4280	Orchidology	3
ORH 4804 & 4804L	Annual and Perennial Gardening and Annual and Perennial Gardening Laboratory	3

Code	Title	Credits
ORH 4848	Landscape Plant Establishment	2
PLS 4242C	Micropropagation of Horticultural Crops	4
SWS 4116	Environmental Nutrient Management	3
Agribusiness		
AEB 3133	Principles of Agribusiness Management	3
AEB 3341	Selling Strategically	3
AEB 4424	Human Resources Management in Agribusiness	3
Course List		

Plant Science Greenhouse and Landscape Industries Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement: 6,000 words)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
	Credits	13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

Credits		14
Semester Four		
Select one:		3
AEB 3133	Principles of Agribusiness Management	
AEB 3341	Selling Strategically	
AEB 4424	Human Resources Management in Agribusiness	
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1	4
PLS 3004C	Principles of Plant Science	3
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological and Physical Sciences)	4
Credits		14
Summer After Semester Four		
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	3
Elective (Writing Requirement: 6,000 words)		3
Credits		6
Semester Five		

BCH 3023	Elementary Organic and Biological Chemistry	3
ORH 3513C	Environmental Plant Identification and Use	3
ORH 3253C or ORH 4236C	Introductory Nursery Management or Ornamental Landscape Management	3-4
PLP 3002C	Fundamentals of Plant Pathology	4
Credits		13-14
Semester Six		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3
AGR 4512 or HOS 4304	Physiology and Ecology of Crops or Horticultural Physiology	3
Approved electives		9
Credits		15
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3

PLS 4601C	Principles of Weed Science	3
Approved electives		9
Credits		15
Semester Eight		
ORH 4933	Professional Seminar in Environmental Horticulture	1
PLS 4950	Plant Science Capstone	3
Approved electives		10
Credits		14
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 28 CREDITS

Choose courses from the areas below and focus electives toward a specific minor or area of expertise. An advisor can help establish a plan for these electives. For a broader program, choose a minimum of three credits from each area. Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Code	Title	Credits
Entomology and Pest Management		
AOM 3333	Pesticide Application Techniques	3
ENY 3510C	Turf and Ornamental Entomology	3
ENY 4161	Insect Classification	3
ENY 4573	Beekeeping	3
IPM 3022	Fundamentals of Pest Management	3
IPM 4254	Landscape Integrated Pest Management: Ornamentals and Turf	3
NEM 3002	Principles of Nematology	3
Plants and Soils		
AOM 3734	Irrigation Principles and Practices in Florida	3
EVR 3323	Introduction to Ecosystem Restoration	4
LDE 4404C	Advanced Residential Landscape Design	3
ORH 2752	Sensory Gardening	2
ORH 3222C	Turfgrass Culture	4
ORH 3253C	Introductory Nursery Management	4
ORH 3773 & 3773L	Public Gardens and Public Gardens Laboratory	4

Code	Title	Credits
ORH 3815C	Florida Native Landscaping	3
ORH 4223	Golf and Sports Turf Management	2
ORH 4236C	Ornamental Landscape Management	3
ORH 4242C	Arboriculture	4
ORH 4256	Nutritional Management of Nursery Crops	3
ORH 4264	Greenhouse and Nursery Crop Culture	3
ORH 4280	Orchidology	3
ORH 4804 & 4804L	Annual and Perennial Gardening and Annual and Perennial Gardening Laboratory	3
ORH 4848	Landscape Plant Establishment	2
PLS 4242C	Micropropagation of Horticultural Crops	4
SWS 4116	Environmental Nutrient Management	3
WIS 4443C	Wetland Wildlife Ecology	4
Agribusiness		
AEB 3133	Principles of Agribusiness Management	3
AEB 3144	Introduction to Agricultural Finance	3
AEB 3300	Agricultural and Food Marketing	3

Code	Title	Credits
AEB 3341	Selling Strategically	3
AEB 4424	Human Resources Management in Agribusiness	3
Course List		

Plant Science Plant Health and Protection Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement: 6,000 words)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
	Credits	13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

Credits		14
Semester Four		
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological Sciences and Physical Sciences)	4
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory (Gen Ed Biological Sciences and Physical Sciences)	3
PLS 3004C	Principles of Plant Science	3
Credits		14
Summer After Semester Four		
Elective (Writing Requirement: 6,000 words)		3
Approved elective		3
Credits		6
Semester Five		
CHM 2210	Organic Chemistry 1	3
Select one:		3

ORH 3513C	Environmental Plant Identification and Use	
BOT 2710C	Practical Plant Taxonomy	
BOT 3151C	Local Flora of North Florida	
PLP 3002C	Fundamentals of Plant Pathology	4
Approved elective		3
Credits		13
Semester Six		
AGR 3303	Genetics	3
ORH 4256 or SWS 4116	Nutritional Management of Nursery Crops or Environmental Nutrient Management	3
IPM 3022	Fundamentals of Pest Management	3
Approved electives		6
Credits		15
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
Entomology elective		3

Plant Pathology elective		3
Approved electives		8
Credits		14
Semester Eight		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3
AGR 4512 or HOS 4304	Physiology and Ecology of Crops or Horticultural Physiology	3
ORH 4933	Professional Seminar in Environmental Horticulture	1
PLS 4950	Plant Science Capstone	3
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3
Approved elective		2
Credits		15
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 22 CREDITS

In addition to the Plant Pathology elective and the Entomology elective in Semester 7, there are 22 additional elective credits to be completed. Choose courses from each focus area; minimum credits for each area listed below. Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Plant Pathology | Minimum 3 credits

Code	Title	Credits
PLP 3103C	Control of Plant Diseases	3
PLP 4104	Applied Plant Disease Management	3
PLP 4222C	Introduction to Plant Virology	3
PLP 4242C	Introduction to Plant Bacteriology	3
PLP 4260C	Introduction to Plant Pathogenic Fungi	3
PLP 4653C	Basic Fungal Biology	4
PLP 4905	Problems in Intermediate Plant Pathology	1-4
PLP 4931	Seminar in Plant Pathology	1
Course List		

Entomology | Minimum 3 credits

Code	Title	Credits
ALS 3153	Agricultural Ecology	3
ALS 4161	Exotic Species and Biosecurity Issues	3
ALS 4162	Consequences of Biological Invasions	3
ALS 4163	Challenges in Plant Resource Protection	3
ENY 3005	Principles of Entomology	2
ENY 3510C	Turf and Ornamental Entomology	3
ENY 4161	Insect Classification	3
ENY 4573	Beekeeping	3
NEM 3002	Principles of Nematology	3
Course List		

Ethical and Social Issues | Minimum 3 credits

Code	Title	Credits
AEB 4123	Agricultural and Natural Resource Law	3
AGG 3501	Environment, Food and Society	3
IDS 2154	Facets of Sustainability	3
PHM 3032	Ethics and Ecology	3

Code	Title	Credits
POT 3503	Environmental Ethics and Politics	3
Course List		

Microbiology and Molecular Biology | Minimum 3 credits

Code	Title	Credits
BCH 4024	Introduction to Biochemistry and Molecular Biology	4
CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
HOS 3305	Introduction to Plant Molecular Biology	3
HOS 4313C	Laboratory Methods in Plant Molecular Biology	2
MCB 4304	Genetics of Microorganisms	3
MCB 4320C	The Microbiome	3
PCB 4522	Molecular Genetics	3
SWS 4303C	Soil Microbial Ecology	3
Course List		

Production Agriculture | Minimum 3 credits

Code	Title	Credits
AEB 3122	Financial Planning for Agribusiness	3
AEB 3133	Principles of Agribusiness Management	3
AEB 4342	Agribusiness and Food Marketing Management	3
AGR 4212	Alternative Cropping Systems	3
AGR 4214C	Applied Field Crop Production	3
AGR 4231C	Forage Science and Range Management	4
AGR 4932	Agronomy Topics	1-3
AOM 3734	Irrigation Principles and Practices in Florida	3
AOM 4434	Precision Agriculture	3
AOM 4455	Agricultural Operations and Systems	3
HOS 3281C	Organic and Sustainable Crop Production	3
HOS 4283C	Advanced Organic and Sustainable Crop Production	3
PLS 4242C	Micropropagation of Horticultural Crops	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory	4
Course List		

Other Approved Electives

Code	Title	Credits
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1	4
Course List		

Plant Science Native Plant Conservation Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement: 6,000 words)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
	Credits	13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

Credits		14
Semester Four		
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	4
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	3
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological and Physical Sciences)	4
WIS 3401	Wildlife Ecology and Management	3
Credits		14
Summer After Semester Four		
BOT 3151C	Local Flora of North Florida	3
Elective (Writing Requirement: 6,000 words)		3
Credits		6
Semester Five		
BCH 3023	Elementary Organic and Biological Chemistry	3
ORH 3513C	Environmental Plant Identification and Use (Gen Ed Biological and Physical Sciences)	3
PCB 2441	Biological Invaders (Gen Ed Biological and Physical Sciences)	3

PLP 3002C	Fundamentals of Plant Pathology (Gen Ed Biological and Physical Sciences)	4
PLS 3004C	Principles of Plant Science (Gen Ed Biological and Physical Sciences)	3
Credits		16
Semester Six		
EVR 3323	Introduction to Ecosystem Restoration	4
ORH 4933	Professional Seminar in Environmental Horticulture	1
PCB 3601C	Plant Ecology	3
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1	4
Credits		12
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
AGR 4512 or HOS 4304	Physiology and Ecology of Crops or Horticultural Physiology	3
ORH 4848	Landscape Plant Establishment	2
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3

PLS 4601C	Principles of Weed Science	3
PLS 4613	Aquatic Weed Control	3
Credits		14
Semester Eight		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3
PCB 4043C	General Ecology	4
PLS 4950	Plant Science Capstone	3
Approved electives		5
Credits		15
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 5 CREDITS

Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Code	Title	Credits
ALS 3133	Agricultural and Environmental Quality	3
ALS 3153	Agricultural Ecology	3
ALS 4154	Global Agroecosystems	3
AOM 3333	Pesticide Application Techniques	3
BOT 2710C	Practical Plant Taxonomy	3
BOT 3503	Physiology and Molecular Biology of Plants	3
BOT 4650	Plant Symbiosis	3
BOT 4935/5225C	Special Topics (Plant Anatomy)	4
BSC 2862	Global Change Ecology and Sustainability	3
EES 4050	Environmental Planning and Design	3
EES 4103	Applied Ecology	2
EVS 3000	Environmental Science	3
FOR 3214	Fire Ecology and Management	2
FOR 4110	Ecology and Restoration of Longleaf Pine Ecosystems	3
FOR 3153C	Forest Ecology	3
FOR 4090C	Urban Forestry	3

Code	Title	Credits
GIS 4121	Geospatial Analysis	3
LDE 4404C	Advanced Residential Landscape Design	3
ORH 3815C	Florida Native Landscaping	3
ORH 4932	Special Topics in Environmental Horticulture (Hydroponic Systems)	2
PLS 4242C	Micropropagation of Horticultural Crops	4
STA 3024	Introduction to Statistics 2	3
SWS 4244	Wetlands	3
SWS 4720C	GIS in Soil and Water Science	3
SWS 4800	Environmental Soil and Water Monitoring Techniques	3
WIS 3402	Wildlife of Florida	3
WIS 4203C	Landscape Ecology and Conservation	3
WIS 4427C	Wildlife Habitat Management	3
WIS 4934	Topics in Wildlife Ecology and Conservation (Wetland Management and Research Techniques)	3
Course List		

Plant Science Soil Management and Plant Productivity Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
Credits		13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4
Credits		14
Semester Four		

PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1 (Gen Ed Biological and Physical Sciences)	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological and Physical Sciences)	4
Approved electives		6
Credits		14
Summer After Semester Four		
Approved elective		3
Elective (Writing Requirement: 6,000 words)		3
Credits		6
Semester Five		
PLP 3002C	Fundamentals of Plant Pathology	4
PLS 3004C	Principles of Plant Science	3
SWS 4116	Environmental Nutrient Management	3
Approved elective		3
Credits		13
Semester Six		
AGR 4214C	Applied Field Crop Production	3

SWS 4303C	Soil Microbial Ecology	3
SWS 4715C	Environmental Pedology	4
Approved electives		6
Credits		16
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3
SWS 4451	Soil and Water Chemistry	3
SWS 4602C	Soil Physics	3
Approved electives		6
Credits		15
Semester Eight		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3
AGR 4512 or HOS 4304	Physiology and Ecology of Crops or Horticultural Physiology	3

ORH 4933	Professional Seminar in Environmental Horticulture	1
PLS 4950	Plant Science Capstone	3
Approved elective		3
Credits		13
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 27 CREDITS

Choose courses from each focus area; minimum credits for each area listed below. Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Soils, Agriculture, and the Environment | Minimum 6 Credits

Code	Title	Credits
ALS 4154	Global Agroecosystems	3
SWS 4207	Sustainable Agricultural and Urban Land Management	3
SWS 4231C	Soil, Water and Land Use	3
SWS 4233	Soil and Water Conservation	3

Code	Title	Credits
SWS 4720C	GIS in Soil and Water Science	3
Course List		

Plant Pests, Disease, and Pathology | Minimum 6 Credits

Code	Title	Credits
AOM 3333	Pesticide Application Techniques	3
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	3
IPM 3022	Fundamentals of Pest Management	3
NEM 3002	Principles of Nematology	3
PLP 3103C	Control of Plant Diseases	3
PLP 4242C	Introduction to Plant Bacteriology	3
PLS 4601C	Principles of Weed Science	3
Course List		

Production Agriculture and Management | Minimum 6 Credits

Code	Title	Credits
AGR 4231C	Forage Science and Range Management	4
AGR 4320	Plant Breeding	3
AGR 4932	Agronomy Topics (Tropical Cropping Systems)	3
AOM 3734	Irrigation Principles and Practices in Florida	3
AOM 4434	Precision Agriculture	3
AOM 4455	Agricultural Operations and Systems	3
HOS 4341	Advanced Horticultural Physiology	3
ORH 4256	Nutritional Management of Nursery Crops	3
Course List		

Organic and Alternative Agriculture | Minimum 3 Credits

Code	Title	Credits
AGR 4212	Alternative Cropping Systems	3
HOS 3281C	Organic and Sustainable Crop Production	3
HOS 4283C	Advanced Organic and Sustainable Crop Production	3
HOS 4905	Independent Study in Horticultural Science (Organic Weed Management)	3
Course List		

Agribusiness | Minimum 3 Credits

Code	Title	Credits
AEB 3122	Financial Planning for Agribusiness	3
AEB 3133	Principles of Agribusiness Management	3
AEB 4342	Agribusiness and Food Marketing Management	3
Course List		

Other Advisor-Approved Electives | Minimum 3 Credits

Plant Science Sustainable Crop Production Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement: 6,000 words)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
	Credits	13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

Credits		14
Semester Four		
AGR 3303	Genetics	3
ALS 2410	Challenge 2050: Global Uncertainty	3
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological and Physical Sciences)	4
Approved elective		3
Credits		13
Summer After Semester Four		
Approved elective		3
Elective (Writing Requirement: 6,000 words)		3
Credits		6
Semester Five		
BCH 3023	Elementary Organic and Biological Chemistry	3
PLP 3002C	Fundamentals of Plant Pathology (Gen Ed Biological and Physical Sciences)	4
PLS 3004C	Principles of Plant Science	3
Approved elective		3

Credits		13
Semester Six		
AGG 3501	Environment, Food and Society	3
AGR 4214C	Applied Field Crop Production	3
Approved electives		8
Credits		14
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3
PLS 4601C	Principles of Weed Science	3
Approved electives		9
Credits		15
Semester Eight		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3

AGR 4212	Alternative Cropping Systems	3
AGR 4512 or HOS 4304	Physiology and Ecology of Crops or Horticultural Physiology	3
ORH 4933	Professional Seminar in Environmental Horticulture	1
PLS 4950	Plant Science Capstone	3
Approved elective		3
Credits		16
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 29 CREDITS

Choose courses from each focus area; minimum credits for each area listed below. Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Plant Production and Management | Minimum 6 Credits

Code	Title	Credits
AGR 4231C	Forage Science and Range Management	4

Code	Title	Credits
AGR 4932	Agronomy Topics (Tropical Cropping Systems)	3
AOM 3734	Irrigation Principles and Practices in Florida	3
AOM 4434	Precision Agriculture	3
AOM 4455	Agricultural Operations and Systems	3
HOS 3281C	Organic and Sustainable Crop Production	3
HOS 4283C	Advanced Organic and Sustainable Crop Production	3
Course List		

Management and Sales | Minimum 6 Credits

Code	Title	Credits
AEB 3122	Financial Planning for Agribusiness	3
AEB 3133	Principles of Agribusiness Management	3
AEB 3300	Agricultural and Food Marketing	3
AEB 3341	Selling Strategically	3
AEB 4424	Human Resources Management in Agribusiness	3
FIN 3403	Business Finance	4
MAR 3231	Introduction to Retailing Systems and Management	4

Code	Title	Credits
Course List		

Plant Pest Management | Minimum 6 Credits

Code	Title	Credits
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	3
ENY 4905	Problems in Entomology	3
HOS 4905	Independent Study in Horticultural Science (Organic Weed Management)	3
NEM 3002	Principles of Nematology	3
Course List		

Ecology and the Environment | Minimum 6 Credits

Code	Title	Credits
ALS 3133	Agricultural and Environmental Quality	3
ALS 3153	Agricultural Ecology	3
ALS 4154	Global Agroecosystems	3
EES 4103	Applied Ecology	2

Code	Title	Credits
EVS 3000	Environmental Science	3
FOR 3153C	Forest Ecology	3
FOR 4090C	Urban Forestry	3
ORH 3815C	Florida Native Landscaping	3
SWS 4244	Wetlands	3
WIS 3401	Wildlife Ecology and Management	3
WIS 3402	Wildlife of Florida	3
WIS 4203C	Landscape Ecology and Conservation	3
Course List		

Ethical and Social Issues | Minimum 5 Credits

Code	Title	Credits
AEB 4123	Agricultural and Natural Resource Law	3
IDS 2154	Facets of Sustainability	3
PHM 3032	Ethics and Ecology	3
POT 3503	Environmental Ethics and Politics	3
Course List		

Plant Science Turfgrass Science Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition; Writing Requirement: 6,000 words)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
MUL 2010	Experiencing Music (State Core Gen Ed Humanities and International)	3
Credits		13-14

Semester Two		
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	
ENC 2210	Technical Writing (Gen Ed Composition; Writing Requirement: 6,000 words)	3
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
	Credits	13
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
AMH 2020	United States Since 1877 (Gen Ed Social and Behavioral Sciences and Diversity)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
ECO 2013	Principles of Macroeconomics (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	4

Credits		14
Semester Four		
ALS 3133	Agricultural and Environmental Quality	3
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1 (Gen Ed Biological and Physical Sciences)	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological and Physical Sciences)	4
Agribusiness elective		3
Credits		14
Summer After Semester Four		
Select one:		3
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory (Gen Ed Biological and Physical Sciences)	
ENY 3510C	Turf and Ornamental Entomology	
Elective (Writing Requirement: 6,000 words)		3
Credits		6
Semester Five		
BCH 3023	Elementary Organic and Biological Chemistry	3

ORH 3222C	Turfgrass Culture	4
ORH 3513C	Environmental Plant Identification and Use	3
PLS 3004C	Principles of Plant Science	3
Credits		13
Semester Six		
AGR 4512 or HOS 4304	Physiology and Ecology of Crops or Horticultural Physiology	3
ORH 4223	Golf and Sports Turf Management	2
ORH 4236C	Ornamental Landscape Management	3
SWS 4116	Environmental Nutrient Management	3
Agribusiness elective		3
Credits		14
Summer After Semester Six		
PLS 4941	Practical Work Experience	3
Credits		3
Semester Seven		
AEB 4126	Agricultural and Natural Resource Ethics (Gen Ed Humanities or Social and Behavioral Sciences; Writing Requirement: 6,000 words)	3

PLP 3002C	Fundamentals of Plant Pathology	4
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3
PLS 4601C	Principles of Weed Science	3
Agribusiness elective		3
Credits		16
Semester Eight		
ORH 4933	Professional Seminar in Environmental Horticulture	1
PLS 4950	Plant Science Capstone	3
Pest Management electives		6
Approved electives		4
Credits		14
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES | MINIMUM 19 CREDITS

Students must consult with their advisor for assistance in selecting the designated listed electives in order to take applicable and appropriate courses for the students' job and career aspirations. Consult an advisor for other options, which may include study abroad courses.

Pest Management | Minimum 6 Credits

Code	Title	Credits
AOM 3333	Pesticide Application Techniques	3
ENY 4161	Insect Classification	3
IPM 3022	Fundamentals of Pest Management	3
IPM 4254	Landscape Integrated Pest Management: Ornamentals and Turf	3
NEM 3002	Principles of Nematology	3
Course List		

Professional Electives | Minimum 4 Credits

Code	Title	Credits
AOM 3734	Irrigation Principles and Practices in Florida	3
ORH 4242C	Arboriculture	4
ORH 4804 & 4804L	Annual and Perennial Gardening and Annual and Perennial Gardening Laboratory	3
ORH 4848	Landscape Plant Establishment	2

Code	Title	Credits
ORH 4905	Independent Study of Environmental Horticulture	1-3
WIS 4443C	Wetland Wildlife Ecology	4
Course List		

Agribusiness | Minimum 9 Credits

Code	Title	Credits
AEB 3133	Principles of Agribusiness Management	3
AEB 3144	Introduction to Agricultural Finance	3
AEB 3300	Agricultural and Food Marketing	3
AEB 3341	Selling Strategically	3
AEB 4424	Human Resources Management in Agribusiness	3
Course List		

Certificate Of Completion

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	k.bagley@ufl.edu
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5/5/2020 2:31:34 PM	k.bagley@ufl.edu	

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Notary Events

Signature	Timestamp
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Envelope Summary Events

Status	Timestamps
Envelope Sent	Hashed/Encrypted 5/5/2020 2:32:26 PM
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Completed	Security Checked 5/5/2020 4:58:06 PM

Payment Events

Status

Timestamps

Program:	<u>Horticulture Science</u>	CIP:	<u>01.1103</u>
		Track:	<u>1</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 2/25/09
 Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
— BOTX010/X010L	4
&— BOTX011/X011L	4
or— BOTX010C	4
&— BOTX011C	4
or— BSCX010/X010L	4
&— BSCX011/X011L	4
or— BSCX010C	4
&— BSCX011C	4
&— CHMX045/X045L	4
or— CHMX045C	4
or— CHMX040	
&— CHMX041	
&— CHMX045L	
&— ECOX023	4
or— ECOX013	4
&— ENCX213	
or— ENCX210	
&— MACX147	4
or— MACX140	
&— MACX114	
or— MACX105	
&— MACX114	
&— PHYX004	3
or— PHYX053	3
&— SPCX608	3


FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

NOTE: Students who select the Plant Molecular and Cellular Biology option must also complete CHMSX046/X046L, MACX233, and PHYX053/X053L with grades of C or better.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<div style="text-align: center;">  </div> <hr/> First Name, Last Name Title: Email: alindner@aa.ufl.edu Phone: 352.846.1761
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Plant Science	CIP Code: 01.1103	Track (if appropriate):
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BOTX010/L	Botany I and Laboratory	4
BOTX011/L	Botany II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
ECOX023	Microeconomics	3
ENCX213	Technical and Business Writing	3
MACX147	Precalculus Algebra/Trigonometry	4
PHYX004	Technical Physics	3
SPCX608	Public Speaking	3
Current Approved Common Prerequisite Credit Hours		30

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite as alternative to BOTX010/L (GE Core)
BSCX011/L	4	28	10	Existing prerequisite as alternative to BOTX011/L

1/31/2019



Common Prerequisite Proposal

CHMX045/L	4	28	11	Existing prerequisite (GE Core)
MACX140	3	28	11	Existing prerequisite as alternative to MACX147
MACX114	3	28	11	Existing prerequisite as alternative to MACX147
PHYX020 or PHYX004	3	19	9	Alternative to existing PHYX004 prerequisite (GE Core)

Deleting: ECOX023, ENCX213, SPCX608: while these courses are required for the degree, they are not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited

IV. Review of Completion within 60 semester hours.

A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX140	MAC1105	3
MACX114	MAC1105 or placement score	3
Number of College Level Prerequisites for Common Prerequisite Courses		3

B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 21	Minus Number of Proposed Common Prerequisite Credit Hours
- 3	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 9	Plus Number of Common Prerequisites in General Education Core
45	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.

1/31/2019



Common Prerequisite Proposal

- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: Horticultural Science **CIP:** 01.1103
Track: 1
Offered At: UF **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09
 Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
BOTX010 BSCX010/X01 0L	4
BOTX014 BSCX011/X01 1L	4
&- BOTX010 CBScX010C	4
or- BOTX011 CBSCX011C	4
&- BSCX010 BOTX010/X01 0L	4
or- BSCX014 BOTX011/X01 1L	4
or- BSCX010 CBOTX010C	4
&- BSC OTX011C	4
&- CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
&- ECO X023	4
or- ECO X013	4
&- ENG X213	
or- ENG X210	
&- MACX147	4
or- MACX140	
&- MACX114	
or- MAC X105	
&- MAC X114	
&- PHYX004	3
or- PHY X053PHYX020	3
&- SPC X608	3

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

NOTE: Students who select the Plant Molecular and Cellular Biology option must also complete CHMSX046/X046L, ~~MACX233~~MACX311, and PHYX053/X053L with grades of C or better.

Horticultural Science Horticultural Science Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		15
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	

ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	4
State Core Gen Ed Humanities		3
Electives		5
Credits		15-16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
Gen Ed Composition; Writing Requirement		3
Gen Ed Mathematics		2
Electives		4

Credits		15-16
Semester Four		
AEC 3030C	Effective Oral Communication	3
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	
Select one:		3
PHY 2004	Applied Physics 1 (Critical Tracking ; Gen Ed Physical Sciences)	
PHY 2020	Introduction to Principles of Physics (Critical Tracking ; Gen Ed Physical Sciences)	
Electives		5
Credits		15
Semester Five		
HOS 3020C	Principles of Horticulture Crop Production	4
ORH 3513C	Environmental Plant Identification and Use	3
Approved electives		5
Pest management course		3-4

Credits		15-16
Semester Six		
HOS 3430C	Nutrition of Horticultural Crops	3
HOS 4933	Professional Development in Horticulture	1
Approved electives		8
Pest management course		3-4
Credits		15-16
Semester Seven		
AGR 3303	Genetics	3
HOS 4304	Horticultural Physiology	3
Approved electives		9
Credits		15
Semester Eight		
HOS 4341	Advanced Horticultural Physiology	3
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory	4
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3

Approved electives	5
Credits	15
Total Credits	120
Plan of Study Grid	

PEST MANAGEMENT COURSES | SELECT TWO

Code	Title	Credits
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory (fall, spring and summer semesters)	3
IPM 3022	Fundamentals of Pest Management (spring semester)	3
NEM 3002	Principles of Nematology (spring semester, even years)	3
PLP 3002C	Fundamentals of Plant Pathology (fall semester)	4
PLS 4601C	Principles of Weed Science (fall semester)	3
Course List		

Horticultural Science Organic Crop Production Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		15
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	

ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	4
State Core Gen Ed Humanities		3
Electives		5
Credits		15-16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
Gen Ed Composition; Writing Requirement		3
Electives		4
Gen Ed Mathematics		2

Credits		15-16
Semester Four		
AEC 3030C	Effective Oral Communication	3
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	
Select one:		3
PHY 2004	Applied Physics 1 (Critical Tracking ; Gen Ed Physical Sciences)	
PHY 2020	Introduction to Principles of Physics (Critical Tracking ; Gen Ed Physical Sciences)	
Electives		5
Credits		15
Semester Five		
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	3
HOS 3020C	Principles of Horticulture Crop Production	4
PLP 3002C	Fundamentals of Plant Pathology	4
Commodity electives or approved electives		5

Credits		16
Semester Six		
AGR 3303	Genetics	3
AGR 4212	Alternative Cropping Systems	3
HOS 3430C	Nutrition of Horticultural Crops	3
Commodity electives or approved electives		6
Credits		15
Semester Seven		
HOS 3281C	Organic and Sustainable Crop Production	3
HOS 4304	Horticultural Physiology	3
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory	4
Commodity elective or approved elective		3
Practical work experience		1-3
Credits		14-16
Semester Eight		
HOS 4283C	Advanced Organic and Sustainable Crop Production	3
HOS 4341	Advanced Horticultural Physiology	3

HOS 4933	Professional Development in Horticulture	1
Commodity electives or approved electives		5-6
Select one pest management course:		3
HOS 4932	Special Topics in Horticultural Sciences (Organic Weed Management; spring semester even years)	
PLS 4601C	Principles of Weed Science (fall semester)	
Credits		15-16
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES

Commodity Electives | Select 19-20 Credits

Code	Title	Credits
FRC 3212	Introduction to Citrus Culture and Production (fall semester odd years)	3
FRC 3252	Tropical and Subtropical Fruits (fall semester even years)	2
FRC 3274	Tree and Small Fruit Production (fall semester, odd years)	3

Code	Title	Credits
HOS 3222C	Greenhouse and Protected Agriculture (spring semester, even years)	3
VEC 3221C	Vegetable Production (fall semester)	4

For other approved electives, see advisor

Course List

Practical Work Experience | Select One

Code	Title	Credits
HOS 4905	Independent Study in Horticultural Science	1-6
HOS 4941	Practical Work Experience in Horticultural Sciences	1-4

Other practical work experience course options, such as relevant study abroad experiences, may be approved by the advisor

Course List

Horticultural Science Plant Molecular and Cellular Biology Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 1147	Precalculus Algebra and Trigonometry (State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
Credits		14
Semester Two		
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	4
Select one:		4-5

PHY 2053 & 2053L	Physics 1 and Laboratory for Physics 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
PHY 2048 & 2048L	Physics with Calculus 1 and Laboratory for Physics with Calculus 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		14-15
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	4
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; Gen Ed Mathematics)	4
State Core Gen Ed Humanities		3
Elective		2
Credits		16
Semester Four		

Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
AEC 3030C	Effective Oral Communication	3
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking)	4
Gen Ed Composition; Writing Requirement		3
Elective		3
Credits		16-17
Semester Five		
AGR 3303	Genetics	3
CHM 2210	Organic Chemistry 1	3
HOS 3020C	Principles of Horticulture Crop Production	4
HOS 3305	Introduction to Plant Molecular Biology	3
HOS 4313C	Laboratory Methods in Plant Molecular Biology	2
Credits		15
Semester Six		

CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
HOS 4933	Professional Development in Horticulture	1
Approved electives		9
Credits		15
Semester Seven		
BCH 3025 or BCH 4024	Fundamentals of Biochemistry or Introduction to Biochemistry and Molecular Biology	4
HOS 4304	Horticultural Physiology	3
PLP 3002C	Fundamentals of Plant Pathology	4
Approved elective		3
Credits		14
Semester Eight		
AGR 4320	Plant Breeding	3
MCB 3020 & 3020L	Basic Biology of Microorganisms and Laboratory for Basic Biology of Microorganisms	4
Approved electives		9
Credits		16
Total Credits		120

Plan of Study Grid

Horticultural Science Horticultural Production Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		15
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	

ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	4
State Core Gen Ed Humanities		3
Electives		5
Credits		15-16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
Select one:		3-4
BOT 2010C	Introductory Botany (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
Gen Ed Composition; Writing Requirement		3
Gen Ed Mathematics		2
Electives		4

Credits		15-16
Semester Four		
AEC 3030C	Effective Oral Communication	3
Select one:		4
BOT 2011C	Plant Diversity (Critical Tracking ; Gen Ed Biological Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	
Select one:		3
PHY 2004	Applied Physics 1 (Critical Tracking ; Gen Ed Physical Sciences)	
PHY 2020	Introduction to Principles of Physics (Critical Tracking ; Gen Ed Physical Sciences)	
Electives		5
Credits		15
Semester Five		
HOS 3020C	Principles of Horticulture Crop Production	4
PLP 3002C	Fundamentals of Plant Pathology	4
PLS 4601C	Principles of Weed Science	3
Approved electives		3

Credits		14
Semester Six		
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	3
HOS 3430C	Nutrition of Horticultural Crops	3
HOS 4933	Professional Development in Horticulture	1
Approved electives		6
Commodity elective ²		3
Credits		16
Semester Seven		
AGR 3303	Genetics	3
HOS 4304	Horticultural Physiology	3
Commodity electives ²		7
Select 1-3 credits from practical work experiences: ¹		1-3
HOS 4905	Independent Study in Horticultural Science	
HOS 4941	Practical Work Experience in Horticultural Sciences	
Credits		14-16
Semester Eight		

HOS 4341	Advanced Horticultural Physiology	3
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory	4
Approved electives		6
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	3
Credits		16
Total Credits		120

Plan of Study Grid

- ¹ Other practical work experience course options, such as relevant study abroad experiences, may be approved by the advisor.
- ² Any FRC, VEC, or HOS course, 3000 level or above.

Certificate Of Completion

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	k.bagley@ufl.edu
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Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/6/2020 10:42:49 AM Viewed: 5/6/2020 1:51:24 PM Signed: 5/6/2020 1:51:30 PM

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In Person Signer Events

In Person Signer Events	Signature	Timestamp

Editor Delivery Events

Editor Delivery Events	Status	Timestamp

Agent Delivery Events

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events

Certified Delivery Events	Status	Timestamp

Carbon Copy Events

Carbon Copy Events	Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)		Sent: 5/6/2020 10:42:49 AM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Witness Events	Signature	Timestamp

Notary Events

Notary Events	Signature	Timestamp

Envelope Summary Events

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/6/2020 10:42:49 AM
Certified Delivered	Security Checked	5/6/2020 1:51:24 PM
Signing Complete	Security Checked	5/6/2020 1:51:30 PM
Completed	Security Checked	5/6/2020 1:51:30 PM

Payment Events

Status

Timestamps

Program:	<u>Soils Science</u>	CIP:	<u>01.1201</u>
		Track:	<u>1</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 2/25/09

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
&_____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
&_____ ECOX023	3
or- ECOX013	3
&_____ CHMX046/X046L	4
or- CHMX046C	4
&_____ ENCX213	3
or- ENCX210	3
&- MACX311	4
&_____ PHYX004/X004L	4
or- PHYX053/X053L	4
or- PHYX053C	4
&- MCBX000/X000L	4
&- SPCX608	3

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: 2em; margin: 0;">X</p> <p style="font-family: cursive; margin: 0;">Angela Lindner</p> <hr style="border: 0.5px solid black;"/> <p style="margin: 0;">First Name, Last Name</p> <p style="margin: 0;">Title:</p> <p style="margin: 0;">Email: alindner@aa.ufl.edu</p> <p style="margin: 0;">Phone: 352.846.1761</p> </div>
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Soil and Water Science	CIP Code: 01.1201	Track (if appropriate): 1
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX046/L	General Chemistry II and Laboratory	4
ECOX023	Microeconomics	3
ENCX213	Technical and Business Writing	3
MACX311	Calculus I	4
PHYX004/L	Technical Physics and Laboratory	4
MCBX000/L	Intro Microbiology and Laboratory	4
SPCX608	Public Speaking	3
Current Approved Common Prerequisite Credit Hours		33

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite (GE Core)
CHMX045/L	4	28	11	Existing prerequisite (GE Core)

1/31/2019



Common Prerequisite Proposal

CHMX046/L	4	28	11	Existing prerequisite
MACX311	4	28	11	Existing prerequisite (GE Core)
PHYX004/L or PHYX020C	4	11	4	PHYX004/L prerequisite with alternative (GE Core)

Deleting: ECOX023, ENCX213, MCBX000/L, SPCX608: while these courses are required for the degree, they are not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited

IV. Review of Completion within 60 semester hours.

- A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX311	A COURSE FROM MAC _100 - _109 AND MAC _110 - 119,	6
Number of College Level Prerequisites for Common Prerequisite Courses		6

- B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 20	Minus Number of Proposed Common Prerequisite Credit Hours
- 6	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 12	Plus Number of Common Prerequisites in General Education Core
46	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.

1/31/2019



Common Prerequisite Proposal

- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program:	<u>Soil and Waters Sciences</u>	CIP:	<u>01.1201</u>
		Track:	<u>1</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 2/25/09

LOWER LEVEL COURSES

	Cr. Hrs.
BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- <u>BSCX005/X005L</u>	
&	
CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
& CHMX041	
& CHMX045L	
&	
<u>ECOX023</u>	<u>3</u>
or- <u>ECOX013</u>	<u>3</u>
&	
CHMX046/X046L	4
or- CHMX046C	4
&	
<u>ENGX213</u>	<u>3</u>
or- <u>ENGX210</u>	<u>3</u>
&	
MACX311	4
&	
PHYX004/X004L	4
or- <u>PHYX020C or</u>	4
or- <u>PHYX020/X020L</u>	
<u>PHYX053/X053L</u>	
&	
<u>PHYX053C</u>	4
&	
<u>MCBX000/X000L</u>	4
<u>SPCX608</u>	<u>3</u>

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

Soil and Water Sciences Soil Science Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
Select one:		4
BSC 2005 & 2005L	Biological Sciences and Laboratory in Biological Sciences (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
State Core Gen Ed Composition; Writing Requirement		3

Electives		4
Credits		14-15
Semester Two		
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	4
MCB 2000 & 2000L	Microbiology and Microbiology Laboratory	4
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		16
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
Select one:		3-4
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	
MAC 2312	Analytic Geometry and Calculus 2 (Gen Ed Mathematics)	

Gen Ed Composition		3
Elective		2
Credits		15-16
Semester Four		
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1 (Critical Tracking ; Gen Ed Physical Sciences)	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Physical Sciences)	4
State Core Gen Ed Humanities		3
Credits		15
Semester Five		
Select one:		4
CHM 2200 & 2200L	Fundamentals of Organic Chemistry and Fundamentals of Organic Chemistry Laboratory	
CHM 3120 & 3120L	Introduction to Analytical Chemistry and Analytical Chemistry Laboratory	
SWS 4451	Soil and Water Chemistry	3
Approved electives		8

Credits		15
Semester Six		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
SWS 4231C	Soil, Water and Land Use	3
SWS 4715C	Environmental Pedology	4
Approved elective		3
Credits		13
Summer After Semester Six		
SWS 4905 or SWS 4941	Individual Work or Full-time Practical Work Experience in Soil and Water Science	1-3
Approved elective		2
Credits		3-5
Semester Seven		
SWS 4303C	Soil Microbial Ecology	3
SWS 4602C	Soil Physics (State Core Gen Ed Physical Sciences)	3
Approved electives		10
Credits		16

Semester Eight		
SWS 4244	Wetlands	3
Approved electives		10-11
Credits		13-14
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES

Code	Title	Credits
ALS 3133	Agricultural and Environmental Quality	3
EES 4401	Public Health Engineering	3
GEO 3162C	Introduction to Quantitative Analysis for Geographers	4
GEO 3250	Climatology	3
GEO 3280	Principles of Geographic Hydrology	4
GLY 1150L	Florida Geology Laboratory	1
SWS 2007	The World of Water	3

Code	Title	Credits
SWS 2008	Land and Life	3
SWS 3023L	Soil Judging	2
SWS 4116	Environmental Nutrient Management	3
SWS 4180	Earth System Analysis	3
SWS 4207	Sustainable Agricultural and Urban Land Management	3
SWS 4223	Environmental Biogeochemistry	3
SWS 4233	Soil and Water Conservation	3
SWS 4245	Water Resource Sustainability	3
SWS 4307	Ecology of Waterborne Pathogens	3
SWS 4550	Soils, Water and Public Health	3
SWS 4720C	GIS in Soil and Water Science	3
SWS 4905	Individual Work	1-3
SWS 4911	Supervised Research in Soil and Water Science	3
SWS 4915	Honors Thesis Research in Soil and Water Science	3
SWS 4932	Special Topics in Soil and Water Science	1-3
Course List		

Electives are chosen with the student's advisor. There are four areas of specialization: soil, water and land use, environmental soil and water management, physical sciences and biological sciences. The student is encouraged to take electives from a range of course groupings that include biology, building construction, chemistry, earth science, environmental science, hydrology, mathematics, physics, policy, production systems, programming and statistics.

Soil and Water Sciences Water Science Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
Select one:		4
BSC 2005 & 2005L	Biological Sciences and Laboratory in Biological Sciences (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
State Core Gen Ed Composition; Writing Requirement		3

Elective		4
Credits		14-15
Semester Two		
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MCB 2000 & 2000L	Microbiology and Microbiology Laboratory	4
SWS 2007	The World of Water (Gen Ed Physical Sciences)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		15
Semester Three		
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	4
Gen Ed Composition; Writing Requirement		3
Elective		2

Credits		16
Semester Four		
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1 (Critical Tracking ; Gen Ed Physical Sciences)	4
Select one:		3-4
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	
MAC 2312	Analytic Geometry and Calculus 2 (Gen Ed Mathematics)	
State Core Gen Ed Humanities		3
Credits		14-15
Semester Five		
Select one:		4
CHM 2200 & 2200L	Fundamentals of Organic Chemistry and Fundamentals of Organic Chemistry Laboratory	
CHM 3120 & 3120L	Introduction to Analytical Chemistry and Analytical Chemistry Laboratory	
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Biological and Physical Sciences)	4

SWS 4451	Soil and Water Chemistry	3
Approved elective		3
Elective		3
Credits		17
Semester Six		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
SWS 4223	Environmental Biogeochemistry	3
SWS 4244	Wetlands	3
Approved electives		6
Credits		15
Summer After Semester Six		
SWS 4905 or SWS 4941	Individual Work or Full-time Practical Work Experience in Soil and Water Science	1-3
Approved elective		2
Credits		3-5
Semester Seven		
FNR 4660 or PUP 4224	Natural Resource Policy and Economics or Florida Environmental Politics	3

SWS 4602C	Soil Physics (Gen Ed Physical Sciences)	3
Approved electives		7
Credits		13
Semester Eight		
SWS 4245	Water Resource Sustainability	3
SWS 4307	Ecology of Waterborne Pathogens	3
Approved electives		7-8
Credits		13-14
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES

Code	Title	Credits
ALS 3133	Agricultural and Environmental Quality	3
AOM 3734	Irrigation Principles and Practices in Florida	3
AOM 4643	Environmental Hydrology: Principles and Issues	3

Code	Title	Credits
EES 4201	Water Chemistry	3
EES 4401	Public Health Engineering	3
FAS 4305C	Introduction to Fishery Science	3
FNR 4343C	Forest Water Resources	3
GEO 3162C	Introduction to Quantitative Analysis for Geographers	4
GEO 3250	Climatology	3
GEO 3280	Principles of Geographic Hydrology	4
GLY 1150L	Florida Geology Laboratory	1
GLY 3083C	Fundamentals of Marine Sciences	3
OCE 3016	Introduction to Coastal and Oceanographic Engineering	3
SWS 4231C	Soil, Water and Land Use	3
SWS 4233	Soil and Water Conservation	3
SWS 4550	Soils, Water and Public Health	3
SWS 4715C	Environmental Pedology	4
SWS 4720C	GIS in Soil and Water Science	3
SWS 4905	Individual Work	1-3

Code	Title	Credits
SWS 4911	Supervised Research in Soil and Water Science	3
SWS 4915	Honors Thesis Research in Soil and Water Science	3
SWS 4932	Special Topics in Soil and Water Science	1-3

Course List

Electives are chosen with the student's advisor. The student is encouraged to take electives from a range of course groupings that include biology, building construction, chemistry, earth science, environmental science, geology, hydrology, mathematics, physics, policy, production systems, programming, soils, and statistics.

Certificate Of Completion

Envelope Id: 37C2EA9C60A944E69C6C126F13261323	Status: Completed
Subject: Please DocuSign: 01.1201 Soil and Water Sciences CPM Modifications.pdf	
Source Envelope:	
Document Pages: 19	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/5/2020 2:33:20 PM	k.bagley@ufl.edu	

Signer Events

Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	<i>Angela Lindner</i> Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Timestamp Sent: 5/5/2020 2:33:56 PM Viewed: 5/5/2020 4:57:29 PM Signed: 5/5/2020 4:57:37 PM
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Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Casey Griffith
lilgriff@ufl.edu
University of Florida
Security Level: Email, Account Authentication (None)

COPIED

Sent: 5/5/2020 2:33:57 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events

Status

Timestamps

Envelope Sent	Hashed/Encrypted	5/5/2020 2:33:57 PM
Certified Delivered	Security Checked	5/5/2020 4:57:29 PM
Signing Complete	Security Checked	5/5/2020 4:57:37 PM
Completed	Security Checked	5/5/2020 4:57:37 PM

Payment Events

Status

Timestamps

Program:	<u>Forest Resources & Conservation</u>	CIP:	<u>03.0501</u>
	<u>Forest Resources and Conservation</u>	Track:	<u>2/2</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 10/28/2008
 Technical revision 7/5/2018
 Technical revision 7/18/2018
 Technical Revision 1/23/2019
 Technical clarification 6/17/2019

LOWER LEVEL COURSES

Cr. Hrs.

Select from the following:	
Or- Select both courses:	
&- BSCX010/X010L	
Or- BSCX010C	
&- Select from the following:	
Or- BSCX011C	
Or- Select both courses:	
&- BSCX011/X011L	
Or- Select both courses:	
&- BOTX010/X010L	
Or- BOTX010C	
Or- Select both courses:	
&- ZOOX010/X010L	
Or- ZOOX010C	
&- ECOX023	
&- SPCX608	3
&- STAX023	
&- CGSXXXX (2)	3
&- Select from the following:	
Or- Take both courses:	
&- CHMX045/X045L	
Or- Take both courses:	
&- CHMX040	
&- Take either course:	
Or- CHMX040L	
Or- CHMX045L	
Or- Take both courses:	
&- CHMX041	
&- CHMX045L	
&- Select one of the following:	
Or- MACX233	
Or- MACX311	
&- Select from the following:	
Or- PHYX020	
Or- Take both courses:	
&- PHYX004/X004L	
Or- Take both courses:	
&- PHYX053/X053L	
Or- Take both courses:	
&- PHYX048/X048L	
&- Take one of the following:	
Or- PSYXXXX (3)	3
Or- SYGXXXX (4)	3
&- ENCX210 (1)	

PLEASE NOTE: Students MUST achieve a 2.5 GPA or better in all prerequisites

PLEASE NOTE: UF has a Forest Resources/Conservation and a Natural Resource Conservation track.

- (1) Not a requirement for admission for the Natural Resource Conservation track.
 FOR ALL MAJORS: Students are strongly encouraged to select lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Consult with an academic advisor in your major degree area.
- (2) CGS1000-CGSX2999
- (3) PSY1000-PSY2999
- (4) SYG1000-SYG2999



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges:	<p>X <u>Angela Lindner</u></p> <p>First Name, Last Name</p> <p>Title:</p> <p>Email: alindner@aa.ufl.edu Phone: 352.846.1761</p>
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Forest Resources and Conservation	CIP Code: 03.0501	Track (if appropriate): Track 1
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
ECOX023	Macroeconomics	3
SPCX608	Public Speaking	3
STAX023	Statistical Methods	3
CGSXXXX	Computer General Studies	3
CHMX045/L	General Chemistry I and Laboratory	4
MACX233	Calculus for Business and Social Science 1	3
PHYX020	Fundamentals of Physics	3
PSYXXX	General Psychology	3
ENCX210	Technical Writing	3
Current Approved Common Prerequisite Credit Hours		32

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite (GE Core)

1/31/2019



Common Prerequisite Proposal

ECOX013	3	28	11	Alternative to existing prerequisite ECOX023 (GE Core)
SPCX608	3	28	11	Existing prerequisite
STAX023	3	28	11	Existing prerequisite (GE Core)
CHMX045	3	28	11	Existing prerequisite (GE Core)
MACX105	3	28	11	Alternative to existing prerequisite (GE Core)
ENCX210	3	28	11	Existing prerequisite

Deleting CHM2045L, CGSXXXX, PSYXXX – these courses are no longer required for the degree. Deleting MACX233 – replaced with MACX105. Deleting PHYX020 – while this course is required for the degree, it is not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student’s success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student’s success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited.

IV. Review of Completion within 60 semester hours.

A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
Number of College Level Prerequisites for Common Prerequisite Courses		

B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 22	Minus Number of Proposed Common Prerequisite Credit Hours
-	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 15	Plus Number of Common Prerequisites in General Education Core
53	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

1/31/2019



Common Prerequisite Proposal

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: Forest Resources & Conservation
Forest Resources and Conservation
Offered At: UF

CIP: 03.0501
Track: 2/21
Program Length: 120 Cr. Hrs.

REVISED 10/28/2008
 Technical revision 7/5/2018
 Technical revision 7/18/2018
 Technical Revision 1/23/2019
 Technical clarification 6/17/2019

LOWER LEVEL COURSES

Cr. Hrs.

- Select from the following:
- or- Select both courses:
 - &- BSCX010/X010L
- or- BSCX010C
- &- Select from the following:
 - or- BSCX011C
 - or- Select both courses:
 - &- BSCX011/X011L
 - or- Select both courses:
 - &- BOTX010/X010L
 - or- BOTX010C
 - or- Select both courses:
 - &- ZOOX010/X010L
 - or- ZOOX010C
- &- ~~ECO023~~ECOX
- &- ~~013~~ or ECOX023
- &- SPCX608 3
- &- STAX023
- &- ~~CGSXXXX~~(?) 3
- or- ~~Select from the following:~~
 - &- ~~Select both courses:~~
 - or- ~~CHMX045/X045L~~
 - &- ~~Select both courses:~~
 - &- CHMX040
 - or- ~~Select either course:~~
 - or- ~~CHMX040L~~
 - or- ~~CHMX045L~~
 - &- ~~Select both courses:~~
 - &- CHMX041
- &- ~~CHMX045L~~
- or- ~~Select one of the following:~~
 - or- ~~MACX233~~MAC1105
- &- ~~MACX311~~
- or- ~~Select from the following:~~
 - or-

~~PHYX020~~

~~Take both courses:-~~

~~PHYX004/X004L~~

~~Take both courses:-~~

~~PHYX053/X053L~~

~~Take both courses:-~~

~~PHYX048/X048L~~

~~Take one of the following:~~

~~PSYXXXX⁽³⁾ ————— 3~~

~~SYGXXXX⁽⁴⁾ ————— 3~~

~~ENCX210⁽⁴⁾~~

PLEASE NOTE: Students MUST achieve a 2.5 GPA or better in all prerequisites

PLEASE NOTE: UF has a Forest Resources and Conservation track and a Natural Resource Conservation track. Prerequisites are the same for both tracks.

~~(1) — Not a requirement for admission for the Natural Resource Conservation track.~~

FOR ALL MAJORS: Students are strongly encouraged to select lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Consult with an academic advisor in your major degree area.

~~(2) — CGS1000 CGSX2999~~

~~(3) — PSY1000 PSY2999~~

~~(4) — SYG1000 SYG2999~~

Forest Resources and Conservation Environmental Pre-Law Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	
CHM 2045	General Chemistry 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
State Core Gen Ed Composition; Writing Requirement		3
FOR 2662	Forests for the Future (Gen Ed Social and Behavioral Sciences; recommended course)	3
Elective		3
Credits		15

Semester Two		
MAC 1105	Basic College Algebra (Critical Tracking ; State Core Gen Ed Mathematics)	3
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
FAS 2024	Sustainable Fisheries (recommended elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement) ¹	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 2662	Forests for the Future (recommended, if not already taken) ²	3
Gen Ed Composition		3
Elective		2
Credits		14
Semester Four		
Select one:		3-4

AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
FAS 2024	Sustainable Fisheries (recommended elective, if not already taken)	3
PHY 2020	Introduction to Principles of Physics (recommended; or other Gen Ed Physical Sciences)	3
State Core Gen Ed Humanities		3
Credits		15-16
Summer After Semester Four		
FOR 3200C	Foundations of Natural Resources and Conservation (Summer B only)	3
FOR 3434C	Forest Resources Information Systems (Summer B only)	3
Credits		6
Semester Five		
FNR 3131C	Dendrology/Forest Plants	3

FNR 3410C	Natural Resource Sampling	3
FOR 3153C	Forest Ecology	3
Select one:		3
SWS 3022	Introduction to Soils in the Environment	
SUR 3103C	Geomatics	
GIS 3072C	Geographic Information Systems	
Directed elective		1
	Credits	13
Semester Six		
BUL 4310	The Legal Environment of Business	4
CPO 4793	Environmental Politics in the Global South	3
FOR 3162C	Silviculture	4
FOR 3202	Society and Natural Resources	3
	Credits	14
Semester Seven		
AEB 4085	Agricultural Risk Management and the Law	3
AEB 4126 or POT 3503	Agricultural and Natural Resource Ethics or Environmental Ethics and Politics	3

FNR 4660	Natural Resource Policy and Economics	3
FOR 4020	Seminar in Contemporary Issues in Forest Resources and Conservation	1
SUR 4403	Cadastral Principles	3
Credits		13
Semester Eight		
AEB 4123	Agricultural and Natural Resource Law	3
AEB 4242	International Trade Policy in Agriculture	3
FNR 4343C	Forest Water Resources	3
FNR 4623C	Integrated Natural Resource Management	3
FOR 3214	Fire Ecology and Management	2
FOR 3214L	Fire Ecology and Management Laboratory (optional)	0-1
Credits		14-15
Total Credits		120

Plan of Study Grid

¹ Can substitute ENC 2210 or ENC 3254.

² Elective: FOR 2662 recommended, if not already taken; or FOR 3004 recommended.

Placement tests and/or prerequisites may be necessary for access to certain courses.

Course availability may necessitate departure from this course sequence. Except for certain courses where sequence is important, successful completion is more important than the sequence in which the courses are taken.

The summer term between the junior and senior year is normally reserved for professional work experience. For questions regarding opportunities, email the SFRC Student Services office.

Forest Resources and Conservation Forest Business Management Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	
CHM 2045	General Chemistry 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
State Core Gen Ed Composition; Writing Requirement		3
FOR 2662	Forests for the Future (Gen Ed Social and Behavioral Sciences; recommended course)	3
Elective		3
Credits		15

Semester Two		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 1105	Basic College Algebra (Critical Tracking ; or higher; State Core Gen Ed Mathematics)	3
FAS 2024	Sustainable Fisheries (recommended elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement) ¹	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 2662	Forests for the Future (recommended, if not already taken) ²	3
Gen Ed Composition		3
Elective		2
Credits		14
Semester Four		
Select one:		3-4

AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
FAS 2024	Sustainable Fisheries (recommended elective, if not already taken)	3
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences; recommended course)	3
State Core Gen Ed Humanities		3
Credits		15-16
Summer After Semester Four		
FOR 3200C	Foundations of Natural Resources and Conservation (Summer B only)	3
FOR 3434C	Forest Resources Information Systems (Summer B only)	3
Credits		6
Semester Five		
AEB 3133	Principles of Agribusiness Management	3

FNR 3131C	Dendrology/Forest Plants	3
FNR 3410C	Natural Resource Sampling	3
FOR 3153C	Forest Ecology	3
Credits		12
Semester Six		
AEB 3122	Financial Planning for Agribusiness	3
FOR 3162C	Silviculture	4
FOR 3202	Society and Natural Resources	3
FOR 3430C	Forest Mensuration	3
Credits		13
Semester Seven		
FNR 4624C	Field Operations for Management of Ecosystems	3
FNR 4660	Natural Resource Policy and Economics	3
FOR 4020	Seminar in Contemporary Issues in Forest Resources and Conservation	1
FOR 4621	Forest Economics and Management	4
Approved elective		3
Credits		14

Semester Eight		
ACG 2021	Introduction to Financial Accounting	4
AEB 4123	Agricultural and Natural Resource Law	3
FNR 4343C	Forest Water Resources	3
FNR 4623C	Integrated Natural Resource Management	3
FOR 3214	Fire Ecology and Management	2
FOR 3214L	Fire Ecology and Management Laboratory (optional)	0-1
Credits		15-16
Total Credits		120
Plan of Study Grid		

¹ Can substitute ENC 2210 or ENC 3254.

² Elective: FOR 2662 recommended, if not already taken; or FOR 3004 recommended.

Placement tests and/or prerequisites may be necessary for access to certain courses.

Course availability may necessitate departure from this course sequence. Except for certain courses where sequence is important, successful completion is more important than the sequence in which the courses are taken.

The summer term between the junior and senior year is normally reserved for professional work experience. For questions regarding opportunities, email the SFRC Student Services office.

Forest Resources and Conservation Forest Resource Management Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	
CHM 2045	General Chemistry 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
FOR 2662	Forests for the Future (Gen Ed Social and Behavioral Sciences; recommended course)	3
State Core Gen Ed Composition; Writing Requirement		3
Elective		3
Credits		15

Semester Two		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 1105	Basic College Algebra (Critical Tracking ; or higher; State Core Gen Ed Mathematics)	3
FAS 2024	Sustainable Fisheries (recommended elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement) ¹	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 2662	Forests for the Future (recommended, if not already taken) ²	3
Gen Ed Composition		3
Elective		2
Credits		14
Semester Four		

Select one:		3-4
AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
FAS 2024	Sustainable Fisheries (recommended elective, if not already taken)	3
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences; recommended course)	3
State Core Gen Ed Humanities		3
Credits		15-16
Summer After Semester Four		
FOR 3200C	Foundations of Natural Resources and Conservation (Summer B only)	3
FOR 3434C	Forest Resources Information Systems (Summer B only)	3
Credits		6
Semester Five		

FNR 3131C	Dendrology/Forest Plants	3
FNR 3410C	Natural Resource Sampling	3
FOR 3153C	Forest Ecology	3
SWS 3022	Introduction to Soils in the Environment	3
SWS 3022L	Introduction to Soils in the Environment Laboratory (optional)	0-1
Credits		12-13
Semester Six		
FOR 3162C	Silviculture	4
FOR 3202	Society and Natural Resources	3
FOR 3342C	Tree Biology	3
FOR 3430C	Forest Mensuration	3
Credits		13
Semester Seven		
FNR 4624C	Field Operations for Management of Ecosystems	3
FNR 4660	Natural Resource Policy and Economics	3
FOR 4020	Seminar in Contemporary Issues in Forest Resources and Conservation	1
FOR 4621	Forest Economics and Management	4

WIS 3401	Wildlife Ecology and Management	3
Credits		14
Semester Eight		
FNR 4343C	Forest Water Resources	3
FNR 4623C	Integrated Natural Resource Management	3
FOR 3214 & 3214L	Fire Ecology and Management and Fire Ecology and Management Laboratory	3
FOR 4060 or FOR 4090C	Global Forests or Urban Forestry	3
FOR 4624C	Forest Health Management	3
Credits		15
Total Credits		120
Plan of Study Grid		

¹ Can substitute ENC 2210 or ENC 3254.

² Elective: FOR 2662 recommended, if not already taken; or FOR 3004 recommended.

Placement tests and/or prerequisites may be necessary for access to certain courses.

Course availability may necessitate departure from this course sequence. Except for certain courses where sequence is important, successful completion is more important than the sequence in which the courses are taken.

The summer term between the junior and senior year is normally reserved for professional work experience. For questions regarding opportunities, email the SFRC Student Services office.

Forest Resources and Conservation Protected Areas Management Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	
CHM 2045	General Chemistry 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
FOR 2662	Forests for the Future (Gen Ed Social and Behavioral Sciences; recommended course)	3
State Core Gen Ed Composition; Writing Requirement		3
Elective		3
Credits		15

Semester Two		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 1105	Basic College Algebra (Critical Tracking ; or higher; State Core Gen Ed Mathematics)	3
FAS 2024	Sustainable Fisheries (recommended elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement) ¹	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 2662	Forests for the Future (recommended, if not already taken) ²	3
Gen Ed Composition		3
Elective		2
Credits		14
Semester Four		
Select one:		3-4

AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
FAS 2024	Sustainable Fisheries (recommended elective, if not already taken)	3
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences; recommended course)	3
State Core Gen Ed Humanities		3
Credits		15-16
Summer After Semester Four		
FOR 3200C	Foundations of Natural Resources and Conservation (Summer B only)	3
FOR 3434C	Forest Resources Information Systems (Summer B only)	3
Credits		6
Semester Five		
FNR 3131C	Dendrology/Forest Plants	3

FNR 3410C	Natural Resource Sampling	3
FOR 3153C	Forest Ecology	3
FOR 4664	Sustainable Ecotourism Development	3
SWS 3022	Introduction to Soils in the Environment	3
SWS 3022L	Introduction to Soils in the Environment Laboratory (optional)	0-1
Credits		15-16
Semester Six		
FOR 3162C	Silviculture	4
FOR 3202	Society and Natural Resources	3
FOR 3430C or WIS 4554	Forest Mensuration or Conservation Biology	3
FOR 4110	Ecology and Restoration of Longleaf Pine Ecosystems	3
FOR 4941	Internship in Natural Resources (often completed during this summer term)	2
Credits		15
Semester Seven		
AEB 3450	Introduction to Natural Resource and Environmental Economics	3
FNR 4624C	Field Operations for Management of Ecosystems	3
FNR 4660	Natural Resource Policy and Economics	3

FOR 4020	Seminar in Contemporary Issues in Forest Resources and Conservation	1
WIS 3401	Wildlife Ecology and Management	3
Credits		13
Semester Eight		
FNR 4343C	Forest Water Resources	3
FNR 4623C	Integrated Natural Resource Management	3
FOR 3214	Fire Ecology and Management	2
FOR 3214L	Fire Ecology and Management Laboratory (optional)	0-1
FOR 4624C	Forest Health Management	3
Credits		11-12
Total Credits		120

Plan of Study Grid

¹ Can substitute ENC 2210 or ENC 3254.

² Elective: FOR 2662 recommended, if not already taken; or FOR 3004 recommended.

Placement tests and/or prerequisites may be necessary for access to certain courses.

Course availability may necessitate departure from this course sequence. Except for certain courses where sequence is important, successful completion is more important than the sequence in which the courses are taken.

The summer term between the junior and senior year is normally reserved for professional work experience. For questions regarding opportunities, email the SFRC Student Services office.

Forest Resources and Conservation Recreation Resources Management Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	
CHM 2045	General Chemistry 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
FOR 2662	Forests for the Future (Gen Ed Social and Behavioral Sciences; recommended course)	3
State Core Gen Ed Composition; Writing Requirement		3
Elective		3
Credits		15

Semester Two		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 1105	Basic College Algebra (Critical Tracking ; or higher; State Core Gen Ed Mathematics)	3
FAS 2024	Sustainable Fisheries (recommended elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
Select one: ¹		3
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement)	
ENC 2210	Technical Writing (Critical Tracking ; Writing Requirement)	
ENC 3254	Professional Writing in the Discipline (Critical Tracking ; Writing Requirement)	
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 2662	Forests for the Future (recommended, if not already taken) ²	3
Gen Ed Composition		3
Elective		2

Credits		14
Semester Four		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
FAS 2024	Sustainable Fisheries (recommended elective, if not already taken)	3
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences; recommended course)	3
State Core Gen Ed Humanities		3
Credits		15-16
Summer After Semester Four		
FOR 3200C	Foundations of Natural Resources and Conservation (Summer B only)	3
FOR 3434C	Forest Resources Information Systems (Summer B only)	3

Credits		6
Semester Five		
FNR 3131C	Dendrology/Forest Plants	3
FNR 3410C	Natural Resource Sampling	3
FOR 3153C	Forest Ecology	3
FOR 4664	Sustainable Ecotourism Development	3
Credits		12
Semester Six		
FOR 3162C	Silviculture	4
FOR 3202	Society and Natural Resources	3
Business management elective		3
Directed electives		4
Credits		14
Semester Seven		
FNR 4660	Natural Resource Policy and Economics	3
FOR 4020	Seminar in Contemporary Issues in Forest Resources and Conservation	1
Forest resources and management elective		3

Recreation elective	3
Recreation resources elective	3
Credits	13
Semester Eight	
FNR 4343C Forest Water Resources	3
FNR 4623C Integrated Natural Resource Management	3
FOR 3214 Fire Ecology and Management	2
FOR 3214L Fire Ecology and Management Laboratory (optional)	0-1
MAN 3025 Principles of Management	4
Recreation elective	3
Credits	15-16
Total Credits	120
Plan of Study Grid	

¹ Fulfills CALS Advanced Communication Writing Requirement.

² Elective: FOR 2662 recommended, if not already taken; or FOR 3004 recommended.

Placement tests and/or prerequisites may be necessary for access to certain courses.

Course availability may necessitate departure from this course sequence. Except for certain courses where sequence is important, successful completion is more important than the sequence in which the courses are taken.

The summer term between the junior and senior year is normally reserved for professional work experience. For questions regarding opportunities, email the SFRC Student Services office.

Forest Resources and Conservation Urban Forestry Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	
CHM 2045	General Chemistry 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
FOR 2662	Forests for the Future (Gen Ed Social and Behavioral Sciences; recommended course)	3
State Core Gen Ed Composition; Writing Requirement		3
Elective		3
Credits		15

Semester Two		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 1105	Basic College Algebra (Critical Tracking ; or higher; State Core Gen Ed Mathematics)	3
FAS 2024	Sustainable Fisheries (recommended elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement) ¹	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 2662	Forests for the Future (recommended, if not already taken) ²	3
Gen Ed Composition		3
Elective		2
Credits		14
Semester Four		

Select one:		3-4
AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
FAS 2024	Sustainable Fisheries (recommended elective, if not already taken)	3
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences; recommended course)	3
State Core Gen Ed Humanities		3
Credits		15-16
Summer After Semester Four		
FOR 3200C	Foundations of Natural Resources and Conservation (Summer B only)	3
FOR 3434C	Forest Resources Information Systems (Summer B only)	3
Credits		6
Semester Five		

FNR 3131C	Dendrology/Forest Plants	3
FNR 3410C	Natural Resource Sampling	3
FOR 3153C	Forest Ecology	3
SWS 3022	Introduction to Soils in the Environment	3
SWS 3022L	Introduction to Soils in the Environment Laboratory (optional)	0-1
Credits		12-13
Semester Six		
FOR 3162C	Silviculture	4
FOR 3202	Society and Natural Resources	3
FOR 3342C	Tree Biology	3
ORH 4242C	Arboriculture	4
Credits		14
Semester Seven		
FNR 4624C or ORH 3513C	Field Operations for Management of Ecosystems or Environmental Plant Identification and Use	3
FNR 4660	Natural Resource Policy and Economics	3
FOR 4020	Seminar in Contemporary Issues in Forest Resources and Conservation	1
WIS 3401	Wildlife Ecology and Management	3

Directed elective		2
Social dimensions elective		2
Credits		14
Semester Eight		
FOR 3214	Fire Ecology and Management	2
FOR 3214L	Fire Ecology and Management Laboratory (optional)	0-1
FOR 4090C	Urban Forestry	3
FNR 4343C	Forest Water Resources	3
FNR 4623C	Integrated Natural Resource Management	3
FOR 4624C	Forest Health Management	3
Credits		14-15
Total Credits		120
Plan of Study Grid		

¹ Can substitute ENC 2210 or ENC 3254.

² Elective: FOR 2662 recommended, if not already taken; or FOR 3004 recommended.

Placement tests and/or prerequisites may be necessary for access to certain courses.

Course availability may necessitate departure from this course sequence. Except for certain courses where sequence is important, successful completion is more important than the sequence in which the courses are taken.

The summer term between the junior and senior year is normally reserved for professional work experience. For questions regarding opportunities, email the SFRC Student Services office.

Forest Resources and Conservation Watershed Science and Management Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	
CHM 2045	General Chemistry 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	
State Core Gen Ed Composition; Writing Requirement		3
FOR 2662	Forests for the Future (Gen Ed Social and Behavioral Sciences; recommended course)	3
Elective		3
Credits		15

Semester Two		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 1105	Basic College Algebra (Critical Tracking ; or higher; State Core Gen Ed Mathematics)	3
FAS 2024	Sustainable Fisheries (recommended elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement) ¹	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 2662	Forests for the Future (recommended, if not already taken) ²	3
Gen Ed Composition		3
Elective		2
Credits		14
Semester Four		
Select one:		3-4

AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
FAS 2024	Sustainable Fisheries (recommended elective, if not already taken)	3
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences; recommended course)	3
State Core Gen Ed Humanities		3
Credits		15-16
Summer After Semester Four		
FOR 3200C	Foundations of Natural Resources and Conservation (Summer B only)	3
FOR 3434C	Forest Resources Information Systems (Summer B only)	3
Credits		6
Semester Five		
FNR 3131C	Dendrology/Forest Plants	3

FNR 3410C	Natural Resource Sampling	3
FOR 3153C	Forest Ecology	3
SWS 3022	Introduction to Soils in the Environment	3
SWS 3022L	Introduction to Soils in the Environment Laboratory (optional)	0-1
Credits		12-13
Semester Six		
FOR 3162C	Silviculture	4
FOR 3202	Society and Natural Resources	3
GEO 3250	Climatology	3
GLY 2010C	Physical Geology	4
Credits		14
Semester Seven		
FNR 4461	Spatial Models and Decision Analysis	3
FNR 4660	Natural Resource Policy and Economics	3
FOR 4020	Seminar in Contemporary Issues in Forest Resources and Conservation	1
Management and social dimensions elective		3
Physical dimensions elective		3

Credits		13
Semester Eight		
FNR 4343C	Forest Water Resources	3
FNR 4345	Models for Water Resources	1
FNR 4623C	Integrated Natural Resource Management	3
FOR 3214	Fire Ecology and Management	2
FOR 3214L	Fire Ecology and Management Laboratory (optional)	0-1
Chemical and biological dimensions elective		3
Management and social dimensions elective		3
Credits		15-16
Total Credits		120

Plan of Study Grid

¹ Can substitute ENC 2210 or ENC 3254.

² Elective: FOR 2662 recommended, if not already taken; or FOR 3004 recommended.

Placement tests and/or prerequisites may be necessary for access to certain courses.

Course availability may necessitate departure from this course sequence. Except for certain courses where sequence is important, successful completion is more important than the sequence in which the courses are taken.

The summer term between the junior and senior year is normally reserved for professional work experience. For questions regarding opportunities, email the SFRC Student Services office.

Natural Resource Conservation

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Select one:		3
CHM 1030	Basic Chemistry Concepts and Applications 1 (Critical Tracking)	
CHM 2045	General Chemistry 1 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	
State Core Gen Ed Composition; Writing Requirement		3
FOR 2662	Forests for the Future (recommended; Gen Ed Social and Behavioral Sciences and Diversity)	3
Elective		3
Credits		15
Semester Two		

MAC 1105	Basic College Algebra (Critical Tracking ; State Core Gen Ed Mathematics) ¹	3
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
FAS 2024	Sustainable Fisheries (recommended; or elective)	3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		3
Credits		16
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking ; Writing Requirement) ²	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
FOR 3004	Forests, Conservation and People (recommended; or elective)	3
Gen Ed Composition		3
Elective		2
Credits		14
Semester Four		
Select one:		3-4

AEB 2014	Economic Issues, Food and You (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
PHY 2020	Introduction to Principles of Physics (recommended; Gen Ed Physical Sciences)	3
State Core Gen Ed Humanities		3
Elective ³		3
Credits		15-16
Summer After Semester Four		
<i>Summer B</i>		
Select one:		3
FOR 3200C	Foundations of Natural Resources and Conservation	
FOR 4934	Topics in Natural Resources (Professional Practice in Natural Resources)	
Credits		3

Semester Five		
Select one:		3-4
FAS 4202C	Biology of Fishes	
FNR 3131C	Dendrology/Forest Plants (fall only)	
WIS 3402 & 3402L	Wildlife of Florida and Wildlife of Florida Laboratory (spring only)	
Select one:		3-4
FAS 4932	Topics in Fisheries and Aquatic Sciences (Applied Fisheries Statistics)	
FNR 3410C	Natural Resource Sampling	
WIS 4601	Quantitative Wildlife Ecology	
WIS 4945C	Wildlife Techniques	
Select one:		3-4
FAS 4270	Marine Ecological Processes	
FAS 4932	Topics in Fisheries and Aquatic Sciences (Freshwater Ecology)	
FOR 3153C	Forest Ecology	
WIS 3404	Natural Resource Ecology	
WIS 4443	Wetland Ecology	
FOR 3434C	Forest Resources Information Systems	3

or GIS 3072C	or Geographic Information Systems	
	Credits	12-15
Semester Six		
Select one:		3
FOR 3202	Society and Natural Resources	
FOR 4060	Global Forests	
FOR 4934	Topics in Natural Resources (Environment and Society)	
Approved courses		12
	Credits	15
Semester Seven		
Select one:		3
FAS 4305C	Introduction to Fishery Science	
FAS 4932	Topics in Fisheries and Aquatic Sciences (Field Ecology of Aquatic Organisms)	
FNR 4070C	Environmental Education Program Development	
FNR 4624C	Field Operations for Management of Ecosystems	
FOR 3214 & 3214L	Fire Ecology and Management and Fire Ecology and Management Laboratory	
FOR 4664	Sustainable Ecotourism Development	

WIS 4427C	Wildlife Habitat Management	
FNR 4660 or FOR 4621	Natural Resource Policy and Economics or Forest Economics and Management	3
Approved courses		9
Credits		15
Semester Eight		
Select one:		3
FAS 4905	Individual Study	
FOR 4905	Individual Study in Natural Resources	
FOR 4934 & FNR 4623C	Topics in Natural Resources and Integrated Natural Resource Management	
FOR 4941	Internship in Natural Resources	
WIS 4905	Individual Problems	
Approved courses		12
Credits		15
Total Credits		120
Plan of Study Grid		

¹ Or higher level course.

² May substitute ENC 2210 or ENC 3254.

³ FAS 2024 recommended, if not already taken.

APPROVED COURSES

Given the flexible, advisor/student-driven nature of this major, students may deviate significantly from this plan relative to course timing. As part of their curriculum plan, students are required to complete at least one course from the following nine content areas:

Code	Title	Credits
Professional Seminar		
FOR 3200C	Foundations of Natural Resources and Conservation	3
FOR 4934	Topics in Natural Resources (Professional Practice in Natural Resources)	1-4
Ecology		
FAS 4270	Marine Ecological Processes	3
FAS 4932	Topics in Fisheries and Aquatic Sciences (Freshwater Ecology)	1-4
FOR 3153C	Forest Ecology	3
WIS 3404	Natural Resource Ecology	3
WIS 4443	Wetland Ecology	3

Code	Title	Credits
Quantitative Analysis and Assessment		
FAS 4932	Topics in Fisheries and Aquatic Sciences	1-4
FNR 3410C	Natural Resource Sampling	3
WIS 4601	Quantitative Wildlife Ecology	3
WIS 4935C	Wildlife Techniques	3
Natural History		
FAS 4202C	Biology of Fishes	4
FNR 3131C	Dendrology/Forest Plants	3
WIS 3402 & 3402L	Wildlife of Florida and Wildlife of Florida Laboratory	4
Human Dimensions		
FOR 3202	Society and Natural Resources	3
FOR 4060	Global Forests	3
FOR 4934	Topics in Natural Resources (Environment and Society)	1-4
Policy and Economics		
FNR 4660	Natural Resource Policy and Economics	3
FOR 4621	Forest Economics and Management	4

Code	Title	Credits
Field Applications		
FAS 4305C	Introduction to Fishery Science	3
FAS 4932	Topics in Fisheries and Aquatic Sciences (Field Ecology of Aquatic Organisms)	1-4
FNR 4070C	Environmental Education Program Development	3
FNR 4624C	Field Operations for Management of Ecosystems	3
FOR 3214 & 3214L	Fire Ecology and Management and Fire Ecology and Management Laboratory	3
FOR 4664	Sustainable Ecotourism Development	3
WIS 4427C	Wildlife Habitat Management	3
Spatial Analysis		
FOR 3434C	Forest Resources Information Systems	3
GIS 3072C	Geographic Information Systems	3
Capstone Experience		
FAS 4905	Individual Study	1-4
FOR 4905	Individual Study in Natural Resources	1-4
FOR 4934 & FNR 4623C	Topics in Natural Resources and Integrated Natural Resource Management (Integrated Management and Assessment)	6

Code	Title	Credits
FOR 4941	Internship in Natural Resources	1-4
WIS 4905	Individual Problems	1-4
Course List		
The summer term between the junior and senior year is normally reserved for professional work experience.		

Certificate Of Completion

Envelope Id: 64F8A78379494249A8C204A2F6999F89	Status: Completed
Subject: Please DocuSign: 03.0501 Forest Resources and Conservation CPM Modifications.pdf	
Source Envelope:	
Document Pages: 57	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/5/2020 2:26:10 PM	k.bagley@ufl.edu	

Signer Events

Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	Sent: 5/5/2020 2:27:26 PM Viewed: 5/5/2020 4:58:58 PM Signed: 5/5/2020 4:59:04 PM
Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

Signature	Timestamp

Editor Delivery Events

Status	Timestamp

Agent Delivery Events

Status	Timestamp

Intermediary Delivery Events

Status	Timestamp

Certified Delivery Events

Status	Timestamp

Carbon Copy Events

Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	Sent: 5/5/2020 2:27:26 PM
<div style="border: 2px solid blue; padding: 5px; display: inline-block; color: blue; font-weight: bold; font-size: 1.2em;">COPIED</div>	

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Signature	Timestamp

Notary Events

Signature	Timestamp

Envelope Summary Events

Status	Timestamps
Envelope Sent	Hashed/Encrypted 5/5/2020 2:27:26 PM
Certified Delivered	Security Checked 5/5/2020 4:58:59 PM
Signing Complete	Security Checked 5/5/2020 4:59:04 PM
Completed	Security Checked 5/5/2020 4:59:04 PM

Payment Events

Status

Timestamps

Program:	<u>Forest Resources & Conservation</u>	CIP:	<u>03.0501</u>
	<u>Wildlife Ecology & Conservation</u>	Track:	<u>1/2</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 10/28/2009
 Technical revision 7/5/2018
 Technical Change 1/23/2019

LOWER LEVEL COURSES

Cr. Hrs.

	BSCX010C		
	or—	BSCX010/X010L	
	or—	BOTX010/X010L	
	or—	BOTX010C	
	or—	ZOOX010/X010L	
	or—	ZOOX010C	
&—	BSCX011C		
	or—	BSCX011/X011L	
	or—	BOTX011/X011L	
	or—	BOTX011C	
&—	ECOX023		
&—	STAX023		
	or—	STAX014	
	or—	STAX122	
&—	CHMX045/X045L		
	or—	CHMX040	
	&—	Take either course:	
	or—	CHMX040L	
	or—	CHMX045L	
	or—	CHMX041	
	&—	CHMX045L	
	or—	CHMX045C	4
&—	MACX311		
&—	CHMX046C		4
	or—	Take both courses	
	&—	CHMX046/X046L	4

UF has a Wildlife Ecology/Wildlife Conservation and a Preprofessional, Biology Education track within Wildlife Ecology & Conservation.

(1) This course is only a requirement for the Preprofessional, Biology Education track.

FOR ALL MAJORS: Students are strongly encouraged to select lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Consult with an academic advisor in your major degree area.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges:	<p>X <u>Angela Lindner</u></p> <p>First Name, Last Name Title:</p> <p>Email: alindner@aa.ufl.edu Phone: 352.846.1761</p>
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Wildlife Ecology and Conservation	CIP Code: 03.0601	Track (if appropriate): Track 1
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major): NOTE: This was a track in CIP 03.0501 but moved to a separate degree program		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
BSCX011/L	General Biology II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX046/L	General Chemistry II and Laboratory	4
ECOX023	Macroeconomics	3
MACX311	Calculus I	4
STAX023	Statistical Methods	3
Current Approved Common Prerequisite Credit Hours		26

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite (GE Core)
BSCX011/L	4	28	11	Existing prerequisite
CHMX045/L	4	28	11	Existing prerequisite (GE Core)
CHMX046/L	4	28	11	Existing prerequisite

1/31/2019



Common Prerequisite Proposal

MACX311	4	28	11	Existing prerequisite (GE Core)
ECOX023	3	28	11	Existing prerequisite
STAX023	3	28	11	Existing prerequisite (GE Core)

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited.

IV. Review of Completion within 60 semester hours.

A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX311	A COURSE FROM MAC _100 - _109 AND MAC _110 - 119,	6
Number of College Level Prerequisites for Common Prerequisite Courses		

B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 26	Minus Number of Proposed Common Prerequisite Credit Hours
- 6	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 12	Plus Number of Common Prerequisites in General Education Core
40	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

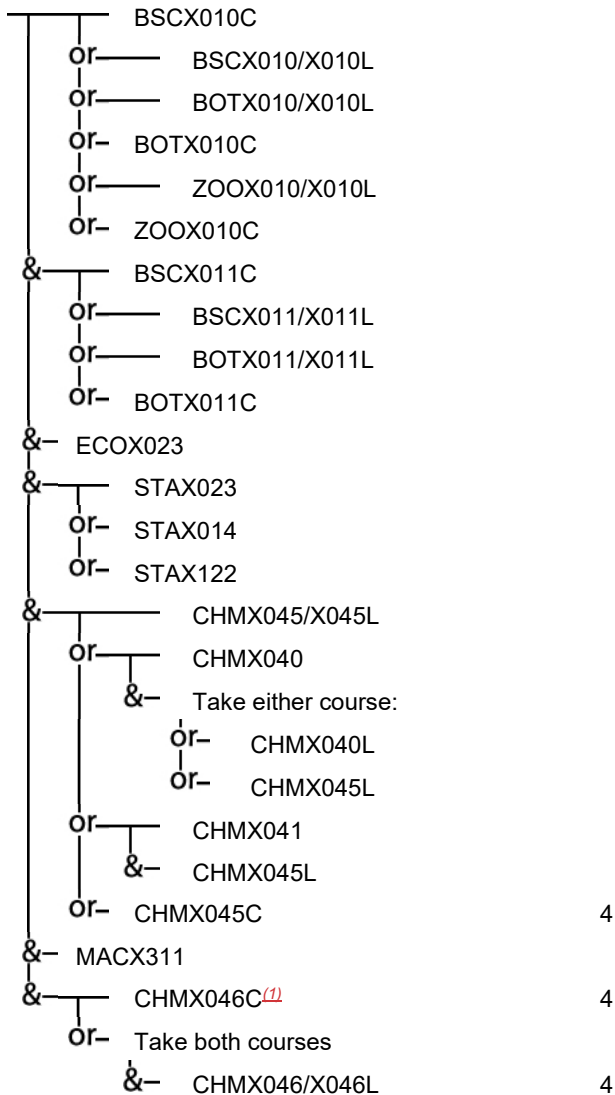
Program: Forest Resources Wildlife Ecology & Conservation CIP: 03.050103.0601
Wildlife Ecology & Conservation Track: 1/2
Offered At: UF Program Length: 120 Cr. Hrs.

REVISED 10/28/2009
Technical revision 7/5/2018
Technical Change 1/23/2019

NOTE: This was Track 1 of CIP 03.0501 but was moved to a separate degree program as CIP 03.0601 in 2010. See SUS Approved Program Inventory.

LOWER LEVEL COURSES

Cr. Hrs.



UF has a Wildlife Ecology/~~Wildlife and~~ Conservation and a Preprofessional/~~Biology Education~~ track within Wildlife Ecology & Conservation.

(1) This course is only a requirement for the Preprofessional/~~Biology Education~~ track.

FOR ALL MAJORS: Students are strongly encouraged to select lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Consult with an academic advisor in your major degree area.

Wildlife Ecology and Conservation Bachelor of Science

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	4
WIS 2920	Wildlife Colloquium	1
State Core Gen Ed Composition; Writing Requirement: 6,000 words		3
State Core Gen Ed Humanities		3
Elective		2
Credits		13
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Critical Tracking)	

AEB 3103	Principles of Food and Resource Economics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; State Core Gen Ed Mathematics)	3
State Core Gen Ed Social and Behavioral Sciences		3
Credits		16-17
Semester Three		
AEC 3030C	Effective Oral Communication	3
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement: 6,000 words)	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences)	4
Select one:		3-4
FOR 3153C	Forest Ecology	
PCB 3601C	Plant Ecology	

PCB 4043C	General Ecology	
WIS 3404	Natural Resource Ecology	
Gen Ed Composition; Writing Requirement: 6,000 words		3
Credits		16-17
Semester Four		
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; Gen Ed Mathematics)	4
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory (Gen Ed Physical Sciences)	4
WIS 3402 & 3402L	Wildlife of Florida and Wildlife of Florida Laboratory	4
Select one:		3
Gen Ed Humanities		
Gen Ed Social and Behavioral Sciences		
Credits		15
Semester Five		
Select one plant diversity and taxonomy course (1 of 2):		3-4
BOT 2011C	Plant Diversity	
BOT 2710C	Practical Plant Taxonomy	

BOT 3151C	Local Flora of North Florida	
FNR 3131C	Dendrology/Forest Plants	
ORH 3513C	Environmental Plant Identification and Use	
Select one:		3-4
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	
ENY 4210	Insects and Wildlife	
ZOO 4205C	Invertebrate Biodiversity	
Select one:		3-4
FOR 3434C	Forest Resources Information Systems	
GIS 3043	Foundations of Geographic Information Systems	
GIS 3072C	Geographic Information Systems	
URP 4273	Survey of Planning Information Systems	
WIS 3401	Wildlife Ecology and Management	3
Select one:		4
WIS 4934	Topics in Wildlife Ecology and Conservation (Large Mammal Ecology and Management)	
ZOO 4307C	Vertebrate Biodiversity	

ZOO 4472C	Avian Biology	
ZOO 4926	Special Topics in Zoology (Mammalogy)	
ZOO 4926	Special Topics in Zoology (Herpetology)	
Credits		16-19
Semester Six		
Select one plant diversity and taxonomy course (2 of 2):		3-4
BOT 2011C	Plant Diversity	
BOT 2710C	Practical Plant Taxonomy	
BOT 3151C	Local Flora of North Florida	
FNR 3131C	Dendrology/Forest Plants	
ORH 3513C	Environmental Plant Identification and Use	
WIS 3553C	Introduction to Conservation Genetics	4
WIS 4945C	Wildlife Techniques	4
Focus course		3
Credits		14-15
Semester Seven		
FNR 4660 or ECP 3302	Natural Resource Policy and Economics or Environmental Economics and Resource Policy	3-4

Select one:		3
FNR 4070C	Environmental Education Program Development	
FOR 3202	Society and Natural Resources	
FOR 4664	Sustainable Ecotourism Development	
WIS 4523	Human Dimensions of Natural Resource Conservation	
WIS 4554 or WIS 4203C	Conservation Biology or Landscape Ecology and Conservation	3
WIS 4601C	Quantitative Wildlife Ecology	3
Focus course		3
	Credits	15-16
Semester Eight		
WIS 4501	Introduction to Wildlife Population Ecology	3
Focus courses		6
Electives		6
	Credits	15
	Total Credits	120
Plan of Study Grid		

Additional electives may be needed to complete the 120 credits required for graduation. Students can choose any courses as electives.

State core courses can be selected to meet the university's requirements for writing, international and diversity focused courses.

Wildlife ecology and Conservation Preprofessional

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Physical Sciences)	4
WIS 2920	Wildlife Colloquium	1
State Core Gen Ed Composition; Writing Requirement: 6,000 words		3
Select one:		3
Gen Ed Humanities		
Gen Ed Social and Behavioral Sciences		
Credits		15

Semester Two		
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Gen Ed Composition; Writing Requirement: 6,000 words		3
Credits		14
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement: 6,000 words)	3
CHM 2210	Organic Chemistry 1	3
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; Gen Ed Mathematics)	4
State Core Gen Ed Humanities		3
State Core Gen Ed Social and Behavioral Sciences		3
Credits		16
Semester Four		
Select one:		3-4

AEB 2014	Economic Issues, Food and You (Critical Tracking)	
AEB 3103	Principles of Food and Resource Economics (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
STA 2023	Introduction to Statistics 1 (Critical Tracking ; State Core Gen Ed Mathematics)	3
WIS 3402 & 3402L	Wildlife of Florida and Wildlife of Florida Laboratory	4
	Credits	15-16
Semester Five		
	Select one:	3-4
FOR 3153C	Forest Ecology	
PCB 3601C	Plant Ecology	
PCB 4043C	General Ecology	
WIS 3404	Natural Resource Ecology	
PHY 2053 & 2053L	Physics 1 and Laboratory for Physics 1	5
WIS 3401	Wildlife Ecology and Management	3

Elective		3
Credits		14-15
Semester Six		
AGR 3303 or PCB 3063	Genetics or Genetics	3-4
PHY 2054 & 2054L	Physics 2 and Laboratory for Physics 2	5
WIS 4501	Introduction to Wildlife Population Ecology	3
Elective		4
Credits		15-16
Semester Seven		
AEC 3030C	Effective Oral Communication	3
BCH 4024 or CHM 3218	Introduction to Biochemistry and Molecular Biology or Organic Chemistry/Biochemistry 2	4
Select one:		3
WIS 4523	Human Dimensions of Natural Resource Conservation	
FNR 4070C	Environmental Education Program Development	
FOR 3202	Society and Natural Resources	
FOR 4664	Sustainable Ecotourism Development	

WIS 4554 or WIS 4203C	Conservation Biology or Landscape Ecology and Conservation	3
Elective		3
Credits		16
Semester Eight		
Select 9-11 credits:		9-11
ANS 3006 & 3006L	Introduction to Animal Science and Introduction to Animal Science Laboratory	
ANS 3440	Principles of Animal Nutrition	
WIS 4203C	Landscape Ecology and Conservation	
WIS 4427C	Wildlife Habitat Management	
WIS 4601C	Quantitative Wildlife Ecology	
WIS 4941	Internship in Wildlife Ecology and Conservation	
WIS 4945C	Wildlife Techniques	
MCB 3020 & 3020L	Basic Biology of Microorganisms and Laboratory for Basic Biology of Microorganisms	4
Elective		2
Credits		15-17
Total Credits		120

Plan of Study Grid

Additional electives may be needed to complete the 120 credits required for graduation. Students can choose any courses as electives.

State core courses can be selected to meet the university's requirements for writing, international and diversity focused courses.

From: [Turner,R Elaine](#)
To: [Turner,R Elaine](#)
Subject: FW: BSWEC
Date: Saturday, September 7, 2019 3:50:35 PM
Attachments: [WEC New Degree Proposal Form Revised \(2\).docx](#)

From: Turner,R Elaine
Sent: Tuesday, July 9, 2019 5:21 PM
To: Griffith,Casey Todd <cgriffith@aa.ufl.edu>
Cc: Lindner,Angela S <alindner@aa.ufl.edu>
Subject: FW: BSWEC

Casey

I found the email trail for Wildlife – we did a new degree program proposal, but it was fast-tracked by Angel Kwolek-Folland through the BOT and BOG. I can't get to the final version any longer with the EEO signature, but attached is the version with only that missing. It appears that it was updated in the SUS Inventory, but never in the CPM. We started this process because in a CPM manual project in 2008, I submitted a request for Wildlife Ecology and Conservation CIP 03.0601 and was told there was no such thing. I have other documents related to this if you need to see them. Now that I've jogged my memory, it didn't go through the curriculum process because we were simply correcting a 15 year long oversight that no one was aware of.

I'll respond to your other questions about Natural Resource Conservation shortly.

ET

From: Kwolek-Folland,Angel
Sent: Monday, November 9, 2009 11:37 AM
To: Gater,Cheryl L <cgater@aa.ufl.edu>
Cc: Glover,Joseph <jglover@aa.ufl.edu>; Turner,R Elaine <returner@ufl.edu>; Barrick,R Kirby <kbarrick@ufl.edu>
Subject: FW: BSWEC

Cheryl—

Attached is an e-version of a BS proposal from CALS for Wildlife Ecology and Conservation. I have a version with the signed EEO page I will pass on to you. This needs to go to the BOT for approval— technically it is not a new degree; we are trying to close the approval loop created by what appears to be an oversight in the original request.

I have discussed this previously with Joe. By way of summary: In June 1994, CALS requested adding a Bachelor's, master's and doctoral program in Wildlife Ecology and Conservation (CIP 03.0601). The

Original file: 03.0601 Wildlife Ecology and Conservation CPM Modifications.pdf

BOR was notified of and approved the Master's and Doctorate in November 1995, but due to an oversight the Bachelor's was left out. We don't have full records on this, but UF thought it had approval and moved forward offering the bachelor's under the new CIP and title in 1994. CALS has continuously produced graduates in that degree program at all levels since.

With this proposal, we would be asking BOT to approve the program so that we can then provide that information to BOG. We asked CALS to fill out the new proposal form since that seemed the best way to get the information needed.

Let me know if you have any questions.
Angel

Angel Kwolek-Folland, Ph.D.
Associate Provost for Academic Affairs
University of Florida
PO Box 113175
Gainesville, FL 32611
Office 1-352-392-4792
FAX 1-352-392-8735

From: Turner,R Elaine
Sent: Thursday, November 05, 2009 3:22 PM
To: Kwolek-Folland,Angel
Cc: Hayes,John P; Giuliano,William M; Barrick,R Kirby
Subject: RE: BSWEC

Here's our latest version. I put in a page break surrounding the EEO signature so that page can just be added later to the document. I think everything is covered. Let me know if you see anything that needs changing or more details. There are no changes to the Tables I sent earlier.

Elaine

From: Kwolek-Folland,Angel
Sent: Thursday, November 05, 2009 2:32 PM
To: Turner,R Elaine
Subject: RE: BSWEC

OK!

Angel Kwolek-Folland, Ph.D.
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PO Box 113175
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From: Turner,R Elaine
Sent: Thursday, November 05, 2009 2:28 PM
To: Kwolek-Folland,Angel
Subject: RE: BSWEC

It's on the way to him. I have the paragraph from the library and am working on the last curriculum part VIII.C. that I overlooked the first time.

From: Kwolek-Folland,Angel
Sent: Thursday, November 05, 2009 2:17 PM
To: Turner,R Elaine
Subject: BSWEC

Hi Elaine—

I'm still working on the BS proposal. Meanwhile, you will need to get the EEO signature from Larry Ellis in HR—can you work on that? We can include the page once it's signed.

Thanks—

Angel

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[wec_new_degree_proposal_form_revised\(2\).docx](#)





*Board of Trustees
Minutes
December 11, 2009*

A regular meeting of the University of Florida Board of Trustees was held on Friday, December 11, 2009 in 215B of Emerson Alumni Hall.

The meeting was called to order by Chair W. A. “Mac” McGriff, III, at 10:50 a.m. with a quorum confirmed. Chair McGriff announced it is an important meeting and that we are saddened by this being the last meeting of two of our inaugural Trustees, Mrs. Joelen Merkel and Mr. Roland Daniels and the two Trustees appointed by the Governor, Mr. Courtney Cunningham and Mr. Earl Powell. We welcome two new Trustees who will begin with us in January, Marshall Criser, III and Carolyn Roberts, who will also be at our February Retreat. Chair McGriff asked President Machen for the President’s report.

Dr. Machen began by acknowledging that UF is nearing the end of the fall semester and final exam time. He reminded everyone that commencement is next weekend and recognized that it is a very important and joyful event for the University of Florida. He added that he hopes many present will find the time to participate in this ceremony. Dr. Machen noted that this year’s activities have all been productive and positive and that we are coming to the close of a very eventful and challenging calendar year.

Dr. Machen observed that 2009 has been difficult for the country, the world, and that he, for one, is glad 2009 will be behind us and that he looks forward to 2010 with optimism for the University of Florida, the state, and the country. He stated that he is proud of the way that the University community has dealt with issues and worked together during this difficult time. He noted that the city of Gainesville has had to deal with the economic issues as well and he praised local leaders for doing a remarkable job keeping it a wonderful place to live. He thanked the state legislature for its support of the University of Florida in difficult times.

Dr. Machen noted the national media attention toward changes in higher education in the US. He noted that Florida’s financial condition has been as bad as any state, and that UF’s 22% reduction in state budget has been as significant as, or worse than, anywhere, including California. Dr. Machen then noted that UF has made all of its budget cuts to meet the funding reduction, which has enabled the university to consider future strategic options such as a special faculty hiring program.

Dr. Machen commended the leadership of students and faculty and noted the benefits of that exceptional leadership. He acknowledged the incredible efforts of the deans and department chairs and central administrators and noted the special efforts of some administrators present, including Larry Arrington, Interim Senior Vice President for Agricultural and Natural Resources, and his important efforts around the state. Dr. Machen also praised Matt Fajack, Vice President and CFO, who has taken on this new position and made some major changes, making UF more efficient and effective. Dr. Machen thanked Mr. Fajack for his leadership.

Lastly, Dr. Machen credited the exceptional achievements in athletics at UF. He recognized the outstanding graduating class in athletics, one of the best with which he has been associated, with 12 academic honor roll members and 24 graduating next weekend. Dr. Machen stated that he is particularly proud of the graduation rate, which was 2nd in the SEC and higher than the national average. He reminded everyone to reflect on the last four years in athletics and the amazing ride that it has been.

Dr. Machen closed by stating that he looks forward, with anticipation and optimism, to the next year. He noted his appreciation for the guidance and advice of the board, which has enabled UF to move forward and allows him to feel good about the future of UF.

Chair McGriff noted he appreciated the good remarks and felt he could speak on behalf of the Board that we appreciate the efforts Dr. Machen and his staff have made during this time. Mr. McGriff moved to the committee reports and noted that it would be the last report by Trustee Joelen Merkel. He thanked Trustees Courtney Cunningham, Roland Daniels, Joelen Merkel and Earl Powell for their commitment and hard work over the last several years.

Trustee Joelen Merkel gave the report of the Committee on Audit and Operations and began by noting the attendance of Trustees Daniels, Johnson, Mecholsky and O'Connell and the approval of the minutes of the September 10, 2009 meeting. She noted there were no consent agenda items on their committee's agenda. Trustee Merkel acknowledged the accomplishments of the Audit Committee over the years. She recognized Nur Erenguc for her efforts and valuable expertise, which really made easier the work of the committee for more than seven years. She thanked Brian Mikell, who took over the Chief Audit Executive role, for also helping the committee run smoothly. Trustee Merkel thanked trustees who served on the Audit Committee over the years, helping the committee accomplish much for UF. She also thanked Vice President Ed Poppell, who worked closely with the committee and always responded well to comments and thoughts from the committee.

Phil Ciano, Audit Supervisor with the Auditor General's Office, provided an update on external audit activities. He reported that fieldwork has been completed on the operational audit, which is performed every two years using a risk-based approach, and the report is currently in review. Preliminary and tentative findings are expected to be delivered in December, but no later than the first week of January. Mr. Ciano also reported that fieldwork continues on the audit of the university's financial statements for the year ended June 30, 2009. The university provided the final notes to the financial statements this week. Anticipated release date by his office of the year-end audited financial report is no later than the end of January 2010, consistent with last year. However, the report cannot be issued until after the delivery of the university's responses to the operational audit P&T findings, which are due 30 days after their receipt. Next, he reported fieldwork on the federal financial assistance audit is nearly complete and they plan to have an exit conference to discuss findings in early January. Preliminary and tentative findings should be released by late January, with the final report due to be released in March 2010. And, last, he discussed the audit of the Bright Futures scholarship program will be conducted later this fiscal year, but has not yet begun.

Chief Audit Executive Brian Mikell presented and summarized the internal audits that had been issued since the last Board meeting. The reports presented were the University of Florida Alumni Association Gator Clubs, the UFF Restricted Gifts (CY 2007), the UAA Student-Athlete Academic Eligibility, and the University Payroll and had been previously provided for detailed review. Brian and Audit Director Joe Cannella also reported on follow-up status of previously issued internal and other audits.

Chair Merkel discussed the proposed revisions to the Office of Audit and Compliance Review's Charter, which was last revised in 2006. Brian explained that revisions were necessary to address university administration organizational changes and to incorporate up-to-date language from the current Institute of Internal Auditor's standard internal audit charter. The audit committee approved the revised OACR Charter.

The committee considered information provided by Business Affairs relating to audits of university affiliated organizations. The university has 26 affiliated organizations, with the majority having FYE's of June 30. Required audit reports for all organizations with FYE of June 30 have been completed and included in the report. Committee members asked questions related to management letter comments, especially repeat comments from the prior year. Additional information was provided by various university employees from areas related to the organizations. At the committee's request, Brian agreed to follow-up on repeat comments noted in the audit reports.

Trustee Dianna Morgan gave the report of the Educational Policy and Strategy Committee on behalf of Chair Carlos Alfonso. A majority of the committee was present and reviewed and approved the minutes of the September 11, 2009 meeting.

The committee reviewed and approved three tenure upon hire cases: Dr. Gregory Gray, Professor and Chair in the newly created Department of Environmental and Global Health, College of Public Health and Health Professions; Dr. Paul Okunieff, Professor and Chair, Radiation Oncology, College of Medicine; and Dr. Laszlo Prokai, Professor, Department of Anesthesiology, College of Medicine.

The committee reviewed and approved University Regulations: 6C1-2.003 Distribution of Printed Material – 2 new modular units have been provided by UF where leaflets may be distributed on campus in addition to the current locations and units. 6C1-2.022 No Smoking and Tobacco Use – prohibits use of tobacco on campus effective July 1, 2010. The focus of this regulation is on education and assistance not policing or enforcement. The committee did request that in paragraph (4) a change is made from the Office of the Vice President for Student Affairs to the Office of Student Activities and Involvement for dealing with student compliance issues. 6C1-3.002 University Financial Services – clarifies that a returned check will cause a hold to be placed on a student's account. And 6C1-3.0022 Bill Paying, Returned Check and Electronic Transfer Items Service Charge – states that the University Cashier in Criser Hall no longer accepts cash as a form of payment and also allows each department to determine how it will accept payment for a returned check.

The committee reviewed and approved a B.S. in Wildlife Ecology, a technical approval to make sure BOG and BOT are in agreement of UF offering and issuing the B.S. in Wildlife Ecology and Conservation. The degree has been awarded in years past and is a fully approved degree, but approval necessary to get the degree on BOG's records of approved degrees.

The final consent agenda item the committee reviewed and approved was fees and it was noted all have been vetted through the students and the following are approved for increase: Activity and Service Fee – increase of \$0.53 per credit hour; Student Health Fee – increase of \$0.62 per credit hour; Transportation Fee – increase of \$0.54 per credit house; No increase in the Athletic fee; with the total increase of \$1.69 per credit hour.

The committee received an update from the Faculty Senate as well on the naming of two schools in the College of Education. Additionally three presentations were made to the committee. First, a Student Government update from Trustee Johnson regarding a renovation plan for the Reitz Union based on a \$20 semester fee and a \$3 credit hour fee. Trustee Johnson's presentation was a starting point to get the conversation started about renovating the Union. Second, a presentation from Vice President Win Phillips regarding Multidisciplinary Research:

Challenges and Opportunities. Dr. Phillips discussed multidisciplinary initiatives at UF such as Emerging Pathogens Institute, Water Institute, Institute on Aging, Florida Institute for Sustainable Energy, Nanoscience Institute for Medical and Engineering Technology, and the Digital Worlds Institute; multidisciplinary facilities at UF such as Cancer and Genetics Research Complex, Biomedical Sciences Building, Nanoscale Research Facility and the Pathogens Research Facility; and future multidiscipline growth areas such as sustainability, energy and transportation. Third was a presentation from Dean Glen Hoffsis regarding Expansion of Veterinary Medicine. He presented the committee with a plan for expanding enrollment in veterinary medicine without requiring additional state funding. Given the national need for veterinarians and only 28 accredited programs in the US, the college reviewed ways to increase enrollment and improve facilities to attract faculty hires for the increased enrollment. They are prepared to initiate the proposed plan starting in the fall. There was no new business and the committee adjourned.

The report of the Committee on External Relations was given by Trustee Danny Ponce with Trustees Carlos Alfonso, Roland Daniels, Jordan Johnson, Cindy O'Connell, and Earl Powell in attendance.

The committee discussed the university's list of research projects that will be submitted to members of the Florida Congressional delegation next year for funding. Many Members of Congress require earmark proposals to be approved by governing boards prior to submission, so committee approval of the list is required.

The government relations report began with an update on the status of this year's federal funding requests. To date, \$16.9 million has been appropriated for various UF projects. Another \$7 million is pending a final Congressional vote.

At the state level, the committee discussed the university's legislative priorities for FY10, including protection of the base budget, medical school funding, a building at Lake Nona for joint UF-Burnham Institute research, graduate student health insurance, Florida High Tech corridor funding, IFAS funding, PECO funding and Major Gift matches.

Committee members said they are available to meet with Members of Congress and state legislators in support of the university's government relations agendas.

The committee was presented with results of a six-month government relations effort to host Members of Congress and legislators on campus for tours and briefings. Two members of Congress and nine legislators have accepted invitations to visit campus since the program began.

An update of the programs Gators for Higher Education and the Flagship Councils was provided to committee members. Gator Clubs statewide have designated liaisons to the program for the purpose of increasing exposure and building membership for the program. Gator for Higher Education also has established social networking efforts, including Facebook, LinkedIn and Twitter.

The closure of the Shands at AGH Hospital and opening of the new Shands Cancer Hospital required a community relations strategy and was described to the committee by the Shands and UF team that developed and executed it. The effort included key message development, community meetings, and events at both facilities.

David Day, UF Office of Technology Licensing, followed with a briefing on the Florida Innovation Hub that will be constructed on the site of the Shands at AGH Hospital. The facility will provide resources to help UF researchers spin off companies from their research.

The Strategic Communications Planning Committee presented its report. This group of campus communicators developed an analysis of the university's strengths, weaknesses, opportunities and threats; identified key themes and messages; developed a plan, and created a tool kit to help communicators across campus. The External Relations Committee members

discussed the report and suggested that further actions be deferred until a new Associate Vice President of External Relations is hired. The meeting concluded with the quarterly report of media coverage generated over the past three months.

Trustee Steve Scott delivered the report of the Committee on Finance and Facilities and noted Trustees Joelen Merkel, Dianna Morgan, Courtney Cunningham and Jack Mecholsky were in attendance. The minutes of the Finance and Facilities Committee meeting of September 10, 2009 were approved and the committee asked that minutes from the conference call pre-meetings also be included in the committee materials in the future.

The first action item presented to the committee was the final 2010-11 fixed capital outlay legislative budget request was presented to the committee. The only change to the legislative budget request from September was to move PECO project priority #16 UF Research and Academic Center at Lake Nona up to priority #2. The final budget request was approved as presented.

Next, the committee was provided with a request to approve construction of a one story 14,000 square foot Data Center Annex. The facility will be constructed as an annex to the East Campus Office Building which is presently under construction. The request to construct the East Campus Data Center Annex was approved as presented.

The committee next moved to discussion items and began with the University financial report as of September 30. Assistant Vice President McKee answered questions regarding the September 30 balances reported for the Deposits Held in Custody, Nongovernmental Grants and Contracts, and Scholarships, Fellowship and Waivers accounts.

A construction update was provided to the committee. Several projects have been completed in the past quarter including the Biomedical Sciences Building and the Pathogen Research Facility. Five additional university facilities have been awarded LEED certifications. Trustee Cunningham commended Vice President Poppell and Assistant Vice President Walker for helping the university set such high standards of sustainable construction.

The committee was informed the Educational Policy and Strategy Committee would be asked to approve the Tobacco Free Campus policy at their meeting later today. The committee had no questions regarding the policy.

Mike Smith, Director of UFICO, reported on the results of UFICO investment activity. Shands Teaching Hospital has placed \$130 million with UFICO for investment and UFICO is preparing to market and accept investments from outside entities such as other colleges and universities within the state.

Marcus Brinson, an officer of the University of Florida Police Department, and his wife Deborah, also a university employee, were both recognized by the committee. Last month Officer Brinson and his wife prepared a Thanksgiving dinner for the student residents of Murphree Hall who were unable to go home for the holiday. The students of the residence hall raised some funding for the dinner, and Marcus and Deborah paid for the rest of the costs of the dinner. In doing so they provided the students not only a dinner but also a warm, family atmosphere on a holiday when these students could not go home.

Officer Brinson has been a school resource officer at the P.K. Yonge Laboratory School, and a member of the university police department's Student Community Oriented Police Effort (SCOPE). He is also a recipient of the Medal of Valor for helping to stop a carjacking while he was off duty. The committee members thanked Officer Brinson for his many efforts to assist students, the university and our community. With no further business to conduct the committee meeting was adjourned.

Trustee Earl Powell gave the report on the Committee on Governance and stated all members were present and the committee reviewed and approved the minutes.

The first action item was ratification of the collective bargaining contract with Graduate Assistants United. Vice President for Human Resource Services Paula Fussell summarized the contract changes from the previous contract. The new contract provides for increased stipends for Graduate Assistants for the next two years. Also, the University has agreed to provide additional office space for their use. After discussion, the recommendation was unanimously approved by the committee.

The second action item was the recommendation to approve an amendment to President Machen's employment contract which is beneficial to the University. The resolution and a summary were provided to the Board in advance. President Machen proposed to eliminate the contract's bonus payments, with a smaller annual retirement contribution being provided. If he ends up serving as a faculty member after his presidency, he will be able to earn the amounts he is forgoing over a longer period and likely when the economy is stronger. We extended Bernie's contract last year and we're merely making a few amendments to reflect that certain payments to Dr. Machen are conditioned on his later serving the University as a faculty member for a sufficient period. Each of the committee members recognized President Machen's accomplishments and praised his leadership efforts in difficult times as well as his willingness to help the University by proposing the change. The recommendation was unanimously approved by the committee.

Next were discussion items. First was the development of the Board's goals for President Machen. President Machen noted that he and Chair McGriff think that the general process we've been employing with an outside consultant is working. President Machen distributed to the committee a self-assessment which he had prepared to be used by the Board and its consultant as part of the goal-setting process. President Machen advised the committee that he would be submitting his proposed goals to the Board and suggested that they be discussed at the Board's retreat where there would be more time for discussion.

President Machen then gave the committee a brief update on the budget reductions. He noted that approximately 75% of the reductions previously approved by the Board had been made and the remaining reductions are in process. President Machen believes that with the stimulus payments and increased state revenue being forecast by Tallahassee there should not be a need for further reductions this year or next. However, the issue of how the state will fund expenditures after the stimulus payments cease is going to be very complex.

The next discussion item was an update on the UF Health Science Center and Shands. President Machen outlined the plans for creation of the Shands holding company previously approved by the Board and discussed how the Shands hospitals and potential future additional affiliates would report to the holding company. President Machen noted that the new structure will provide for better reporting and responsibility for each of the Shands entities, as well as a good mechanism for future alliances with other health care providers. The committee then met in executive session to receive an update from the collective bargaining team after which the meeting was adjourned.

Chair McGriff brought the Board's attention to the consent agenda items. Approval of the consent agenda was unanimous.

Chair McGriff then asked for any new business and as there was none, asked about public appearances. Sheila Bishop requested to speak regarding the fees presented in the Educational Policy and Strategy Committee. Chair McGriff thanked Ms. Bishop and her supporters and began his comments. He noted that we have had a history of recognizing our faculty. He noted that researchers at UF's Health Science Center have won a number of prestigious grants during

the past few months, including Dr. Marco Pahor, director of the UF Institute on Aging, who landed a \$60 million grant from the National Institute on Aging to conduct a six-year study on whether a program of structured physical activity can prevent or delay major movement disability in older adults. Chair McGriff observed that diabetes expert Dr. Mark Atkinson, also with the Health Science Center, and his team are taking the lead role in a \$28 million research consortium studying potential therapies to reverse type 1 diabetes and that the consortium includes Harvard, Columbia, UC San Francisco and seven other institutions around the country. He acknowledges that, in the College of Liberal Arts and Sciences, Dr. Carol Murphy, director of the France-Florida Research Institute and a professor of French, was inducted into the French Legion of Honor in November for her work in facilitating academic and research collaboration between France and the United States. Mr. McGriff illustrated the importance of this by listing other Americans who have been named to the Legion: Gen. Douglas MacArthur, Julia Child, Thomas Edison and Charles Lindbergh. That's some pretty impressive company. He closed with other faculty-related news, noting that a building dedication has been scheduled for Jan. 26 for UF's new Emerging Pathogens Institute, led by Dr. J. Glenn Morris. Mr. McGriff highlighted the institute and its UF researchers from eight different UF colleges who will become, in a sense, global detectives -- tracking diseases around the world, seeking solutions and cures, and helping to prevent those pathogens from coming to our shores. He stated that UF is very fortunate to have the faculty and their prestige in our institution.

Chair McGriff asked for any other business and hearing none, adjourned the meeting.

Committee on Educational Policy & Strategy Minutes
University of Florida Board of Trustees
November 16, 2009
10:00 a.m.
354 Tigert Hall
University of Florida

Committee Members Present via Telephone: Carlos Alfonso, Chair; Courtney Cunningham; Jordan Johnson; Dianna Morgan; Cynthia O'Connell; Danny Ponce; Steven Scott; and Al Warrington.

Committee Members Present: Jack Mecholsky

Committee Members Absent: Roland Daniels, Mac McGriff, Joelen Merkel, and Earl Powell

Others Present: Paula Fussell, Joe Glover, Patricia Telles-Irvin, and Barbara Wingo

Trustee Alfonso called the meeting to order at 10:03 a.m. and asked Provost Glover to take the committee through the agenda.

Review of Minutes

Dr. Glover reminded the committee that no approvals take place on the conference calls and the minutes would be reviewed and approved at the December 10th meeting.

Tenure Upon Hire

Dr. Glover briefly reviewed each of the three tenure upon hire cases and stated each candidate received positive votes from their respective departments.

Gregory Gray – Professor and Chair for Department of Environmental and Global Health in the College of Public Health and Health Professions

Paul Okunieff – Professor and Chair for the Department of Radiation Oncology in the College of Medicine

Laszlo Prokai – Professor in the Department of Anesthesiology in the College of Medicine

University of Florida Regulations

Dr. Glover stated that regulations affect faculty, students and staff. The following people were available to address the regulation changes: Paula Fussell, Patricia Telles-Irvin, and Barbara Wingo.

UF-2.003 Distribution of Printed Material

Dr. Wingo explained that the university has a long standing regulation regarding leafletting on campus. This regulation provides additional modular units at the law school and medical school for distribution of printed materials as well as establishing the manner in which printed materials may be distributed.

UF-2.018 No Smoking

Dr. Glover stated this regulation is being repealed and is being replaced by UF 2.022 No Smoking and Tobacco Use.

UF-2.022 No Smoking and Tobacco Use

Dr. Wingo explained this regulation expands the no smoking regulation to “no tobacco use on campus.” She defined campus as all areas under control of the university in the county and Jacksonville, all health care facilities as well as all fraternities and sororities. She also stated the Health Science Center areas would be affected as of the date of the regulation approval and the rest of campus would go into effect on July 1, 2010.

The committee had a lengthy discussion on the implications of the regulation as well as enforcement of it. After the discussion, the committee asked to have Vice President Fussell provide the background material on the topic and have someone available to speak to the committee at the December 10th meeting to have the committee better understand the reason for the regulation change.

UF-3.002 University Financial Services

Dr. Glover stated that this regulation clarifies that a returned check will cause a hold to be placed on a student’s account.

UF-3.0022 Bill Paying, Returned Check and Electronic Transfer Items Service Charge

Dr. Glover explained that this regulation gives an exact procedure to deal with returned checks.

Degrees

B.S. in Wildlife Ecology and Conservation

Dr. Glover explained that 10-15 years ago UF requested approval from the Board of Regents to offer the bachelor, master, and PhD in Wildlife Ecology and Conservation. For unknown reasons, all degrees but the bachelors were approved. UF has been awarding the bachelors degree for years so this is to formally document approval of the bachelor’s degree.

Fees

Dr. Telles-Irvin reviewed for the committee the annual request for increase of local fees: \$1.15 increase for activity, service and health fees, and \$0.54 increase for transportation fee. She explained the increases are required for cost of energy and cost to continue, no new projects.

The committee discussed the parking fee at Shands increase from \$3.00-\$4.00 and asked that Ed Poppell e-mail the committee an update on that process and the background information.

Discussion Items:

The committee said they would wait to hear the Faculty Senate Update and Student Government Update until the December 10th meeting.

Dr. Glover informed the committee of the College of Education department re-namings.

Dr. Glover explained the December 10th meeting discussion on multidisciplinary research and expansion of veterinary medicine. Dr. Win Phillips will address the committee regarding research and Dr. Glen Hoffsis will discuss the expansion of incoming class of veterinary medicine.

Trustee Morgan asked about the findings of the undergraduate report and what does the committee need to know and monitor to move forward. Dr. Glover replied that Associate Provost Bernard Mair is working on a number of initiatives, one of which is the humanities course to be piloted in the spring. Dr. Glover said he would ask Dr. Mair and Dr. Vasudha Narayanan to attend the March meeting to discuss undergraduate education.

There was no new business, and the committee adjourned at 10:50 a.m.

Florida Board of Governors

Request to Offer a New Degree Program

University of Florida
University Submitting Proposal

January 1, 2010
Proposed Implementation Date

Agricultural and Life Sciences
Name of College or School

Wildlife Ecology and Conservation
Name of Department(s)

Wildlife Ecology and Conservation
Academic Specialty or Field

B.S. in Wildlife Ecology and Conservation, CIP 3.0601
Complete Name of Degree
(Include Proposed CIP Code)

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met prior to the initiation of the program.

Date Approved by the University Board of Trustees	President	Date
Signature of Chair, Board of Trustees	Date	Vice President for Academic Affairs
		Date

Provide headcount (HC) and full-time equivalent (FTE) student estimates of majors for Years 1 through 5. HC and FTE estimates should be identical to those in Table 1. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Table 2. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 (Total E&G divided by FTE).

Implementation Timeframe	Projected Student Enrollment (From Table 1)		Projected Program Costs (From Table 2)		
	HC	FTE	Total E&G Funding	Contract & Grants Funding	E&G Cost per FTE
Year 1	150	112.5	\$495,268	\$0	\$4402
Year 2	155	116.25			
Year 3	160	120			
Year 4	165	123.75			
Year 5	170	127.5	\$621,985	\$0	\$4878

Note: This outline and the questions pertaining to each section must be reproduced within the body of the proposal to ensure that all sections have been satisfactorily addressed.

INTRODUCTION

I. Program Description and Relationship to System-Level Goals

- A. Briefly describe within a few paragraphs the degree program under consideration, including (a) level; (b) emphases, including concentrations, tracks, or specializations; (c) total number of credit hours; and (d) overall purpose, including examples of employment or education opportunities that may be available to program graduates.**

The degree program is a Bachelor of Science in Wildlife Ecology and Conservation, with specializations in Wildlife Ecology, Wildlife Conservation, and Pre-professional. The total number of credits hours required for the degree is 120. Students in the Wildlife Ecology and Conservation specializations are educated in the biological, social, physical, and management sciences, and excel at both the scientific and human dimensions of managing wildlife and natural resources. Successful completion of these specializations will lead to employment opportunities as researchers, biologists, managers and educators with natural resources agencies and NGO's, and prepare students for graduate study in ecology, natural resources and wildlife sciences. Students in the Pre-professional specialization obtain a broad education in the sciences as preparation for pursuing a Doctor of Veterinary Medicine degree and career in the veterinary sciences.

- A. Describe how the proposed program is consistent with the current State University System (SUS) Strategic Planning Goals. Identify which goals the program will directly support and which goals the program will indirectly support. (See the SUS Strategic Plan at <http://www.flbog.org/about/strategicplan/>)**

The degree program supports all four SUS Strategic Planning Goals. The program will provide access to a Bachelor's degree program not offered at any other campus in the SUS. It addresses statewide professional and workforce needs in the natural sciences and medical sciences. Some graduates will continue their education and contribute to the research capacity in this field. Finally, professionals in wildlife ecology and conservation address community issues that arise around the urban-wildlife interface.

INSTITUTIONAL AND STATE LEVEL ACCOUNTABILITY

II. Need and Demand

- A. Need: Describe national, state, and/or local data that support the need for more people to be prepared in this program at this level. Reference national, state, and/or local plans or reports that support the need for this program and requests for the proposed program which have emanated from a perceived need by agencies or industries in your service**

area. Cite any specific need for research and service that the program would fulfill.

Natural resources issues and conflicts in Florida and beyond continue to increase, and natural-resource based businesses (e.g., ecotourism) are expanding and becoming driving economic forces in many areas, particularly Florida. Thus, there is a continuing need and request for properly trained personnel from agencies (e.g., Florida Fish and Wildlife Conservation Commission (FWC) and U.S. Fish and Wildlife Service (USFWS)) and NGO's (e.g., The Nature Conservancy, Audubon) and private companies (e.g., consulting firms, ecotourism companies) to solve problems and support businesses. The Department of Wildlife Ecology and Conservation (WEC) is poised to provide properly trained professionals to meet the current and future need for people and address emerging challenges as described by Florida (e.g., WEC-FWC Joint Committee on Wildlife Education, WEC Advisory Council) and international wildlife leaders (e.g., Final Report to The Wildlife Society Council on Collegiate Wildlife Programs by the Wildlife Society Ad Hoc Committee on Collegiate Programs 2009, and Pivotal challenges for wildlife management and conservation: perspectives from 2008 TWS council, by Svedarsky et al. 2008. *Wildlife Professional* 2(2):11-13).

B. Demand: Describe data that support the assumption that students will enroll in the proposed program. Include descriptions of surveys or other communications with prospective students.

Students have been completing majors focused on wildlife management and/or wildlife ecology for more than 40 years, as part of programs in Forest Resources and Conservation. Wildlife Ecology and Conservation became a separate department in 1994. In the last five years, enrollment in the Wildlife Ecology and Conservation major has been fairly stable at 150-170 students.

C. If similar programs (either private or public) exist in the state, identify the institution(s) and geographic location(s). Summarize the outcome(s) of any communication with such programs with regard to the potential impact on their enrollment and opportunities for possible collaboration (instruction and research). Provide data that support the need for an additional program.

There are no similar programs in public or private colleges or universities in Florida.

D. Use Table 1 (A for undergraduate and B for graduate) to categorize projected student headcount (HC) and Full Time Equivalent (FTE) according to primary sources. Generally undergraduate FTE will be calculated as 40 credit hours per year and graduate FTE will be calculated as 32 credit hours per year. Describe the rationale underlying enrollment projections. If, initially, students within the institution are expected to change majors to enroll in the proposed program, describe the shifts from disciplines that will likely occur.

Enrollment projections in Table 1A are based on enrollment trends in the program over the last five years. Typically, about one-third of Wildlife Ecology and Conservation students enter the program as transfer students from a Florida public community college, 3-4% enter from a four-year institution and the remainder enter UF as freshmen. About half of the current students who entered UF as freshmen started their academic career in another major before changing the

Wildlife Ecology and Conservation. Many of these students started in Animal Sciences, Biology, Environmental Sciences, and Zoology.

E. Indicate what steps will be taken to achieve a diverse student body in this program, and identify any minority groups that will be favorably or unfavorably impacted. The university's Equal Opportunity Officer should read this section and then sign and date in the area below.

Current enrollment in Wildlife Ecology and Conservation is 79% white and 15% under-represented minorities. The current students are 64% female and 36% male. The department and college recruit students at a variety of events, including the Outstanding High School Scholars Program. The department also has a long-standing relationship with Tuskegee University which allows students to complete the fourth year of their Bachelor's degree at UF and the continue study for a Master's degree.

Equal Opportunity Officer

Date

III. Budget

- A. Use Table 2 to display projected costs and associated funding sources for Year 1 and Year 5 of program operation. Use Table 3 to show how existing Education & General funds will be shifted to support the new program in Year 1. In narrative form, summarize the contents of both tables, identifying the source of both current and new resources to be devoted to the proposed program. (Data for Year 1 and Year 5 reflect snapshots in time rather than cumulative costs.)**

All funding sources come from currently allocated Education and General funds for all years, and none will be shifted to support new programs. New sources of funds are not anticipated. See Tables 2 and 3.

- B. If other programs will be impacted by a reallocation of resources for the proposed program, identify the program and provide a justification for reallocating resources. Specifically address the potential negative impacts that implementation of the proposed program will have on related undergraduate programs (i.e., shift in faculty effort, reallocation of instructional resources, reduced enrollment rates, greater use of adjunct faculty and teaching assistants). Explain what steps will be taken to mitigate any such impacts. Also, discuss the potential positive impacts that the proposed program might have on related undergraduate programs (i.e., increased undergraduate research opportunities, improved quality of instruction associated with cutting-edge research, improved labs and library resources).**

No reallocation of resources is planned.

- C. Describe other potential impacts on related programs or departments (e.g., increased need for general education or common prerequisite courses, or increased need for required or elective courses outside of the proposed major).**

No changes are anticipated since the program has been active for many years.

- D. Describe what steps have been taken to obtain information regarding resources (financial and in-kind) available outside the institution (businesses, industrial organizations, governmental entities, etc.). Describe the external resources that appear to be available to support the proposed program.**

WEC awards roughly \$6,500 each year to support scholarships for undergraduates, and additional scholarship funds are periodically available through the college or university. Although outside funding is not available specifically for this undergraduate program, other funds received by WEC, primarily to support its research program, provide significant leverage opportunities for the undergraduate program. WEC faculty typically receive \$2.5 to \$3 million annually, primarily in support of their research programs; these funds significantly bolster the undergraduate teaching effort by providing “hands on” research and field experiences to complement their in-class education.

IV. Projected Benefit of the Program to the University, Local Community, and State

Use information from Table 1, Table 2, and the supporting narrative for “Need and Demand” to prepare a concise statement that describes the projected benefit to the university, local community, and the state if the program is implemented. The projected benefits can be both quantitative and qualitative in nature, but there needs to be a clear distinction made between the two in the narrative.

The program has been successfully producing graduates for decades and will continue to do so. Graduates are employed in the public and private sectors, in positions ranging from wildlife biologist to attorney for the Nature Conservancy. Students gain a thorough understanding of wildlife ecology and conservation at organismal, population and landscape levels. Graduates promote sound practices for protecting endangered wildlife, managing the urban-wildlife interface, controlling invasive and exotic species and forming public policy. Not only is protection of native wildlife important to the future of the natural resources in Florida, but wildlife contributes in important ways to the state’s economy through wildlife viewing, freshwater and marine sports fishing, and hunting.

V. Access and Articulation – Bachelor’s Degrees Only

A. If the total number of credit hours to earn a degree exceeds 120, provide a justification for an exception to the policy of a 120 maximum and submit a request to the BOG for an exception along with notification of the program’s approval. (See criteria in BOG Regulation 6C-8.014)

The program does not exceed 120 credits hours for the degree.

B. List program prerequisites and provide assurance that they are the same as the approved common prerequisites for other such degree programs within the SUS (see Common Prerequisite Manual <http://www.facts.org>). The courses in the Common Prerequisite Counseling Manual are intended to be those that are required of both native and transfer students prior to entrance to the major program, not simply lower-level courses that are required prior to graduation. The common prerequisites and substitute courses are mandatory for all institution programs listed, and must be approved by the Articulation Coordinating Committee (ACC). This requirement includes those programs designated as “limited access.”

If the proposed prerequisites are not listed in the Manual, provide a rationale for a request for exception to the policy of common prerequisites. NOTE: Typically, all lower-division courses required for admission into the major will be considered prerequisites. The curriculum can require lower-division courses that are not prerequisites for admission into the major, as long as those courses are built into the curriculum for the upper-level 60 credit hours. If there are already common prerequisites for other degree programs with the same proposed CIP, every effort must be made to utilize the previously approved prerequisites instead of recommending an additional “track” of prerequisites for that CIP. Additional tracks may not be approved by the ACC, thereby holding up the full approval of the degree program. Programs will not be entered into the State University System Inventory until any exceptions to the approved common prerequisites

are approved by the ACC.

The program prerequisites are currently listed in the Common Prerequisite Manual as a track for Forest Resources and Conservation (CIP 03.0501, track 3). The program prerequisites are listed below (using UF course numbers); equivalent courses from SUS institutions are accepted.

BSC 2010/2010L	Integrated Principles of Biology 1 with lab	4 credits
BSC 2011/2011L	Integrated Principles of Biology 2 with lab	4 credits
CHM 2045/2045L	General Chemistry 1 with lab	4 credits
CHM 2046/2046L	General Chemistry 2 with lab (or alternative physical science course)	4 credits
MAC 2311	Analytic Geometry and Calculus 1	4 credits
STA 2023	Introduction to Statistics 1	3 credits
ECO 2023	Principles of Microeconomics	3 credits
SPC 2608	Introduction to Public Speaking	3 credits

- C. If the university intends to seek formal Limited Access status for the proposed program, provide a rationale that includes an analysis of diversity issues with respect to such a designation. Explain how the university will ensure that community college transfer students are not disadvantaged by the Limited Access status. NOTE: The policy and criteria for Limited Access are identified in BOG Regulation 6C-8.013. Submit the Limited Access Program Request form along with this document.**

The university does not intend to seek Limited Access status.

- D. If the proposed program is an AS-to-BS capstone, ensure that it adheres to the guidelines approved by the Articulation Coordinating Committee for such programs, as set forth in Rule 6A-10.024 (see Statewide Articulation Manual <http://www.facts.org>). List the prerequisites, if any, including the specific AS degrees which may transfer into the program.**

The program is not an AS-to-BS capstone.

INSTITUTIONAL READINESS

VI. Related Institutional Mission and Strength

- A. Describe how the goals of the proposed program relate to the institutional mission statement as contained in the SUS Strategic Plan and the University Strategic Plan.**

Part of the Mission of the University of Florida is to serve "...the nation's and the state's critical needs by contributing to a well-qualified and broadly diverse citizenry, leadership and workforce." As stated in section II.A. above, there is an ongoing workforce need for graduates in this field of study. Educational and research programs in Wildlife Ecology and Conservation directly interface with three of the twelve areas singled out for attention in the UF Strategic Work Plan: Life Sciences, Ecology and the Environment, and Agriculture and its Impact. In

addition, three other areas of emphasis for the future are Internationalization, Professional Preparation, and Health Professionals and Health Care. (See: From Achievement to Recognition: Strategic Work Plan for the University of Florida, March 8, 2007, <http://www.president.ufl.edu/workPlan-20070503.pdf>.) The Wildlife Ecology and Conservation program operates in a global context with at least one-third of the department's faculty research efforts engaged outside the United States. At graduation, students are ready to step into professional positions in a variety of state and federal agencies and many go on to further study in veterinary medicine and other health professions.

B. Describe how the proposed program specifically relates to existing institutional strengths, such as programs of emphasis, other academic programs, and/or institutes and centers.

The university has extensive strength in the natural resources, including programs in Wildlife Ecology and Conservation, the School of Forest Resources and Conservation, the School of Natural Resources and Environment and the Florida Museum of Natural History. The department manages the 9,300-acre Ordway/Swisher Preserve, which provides an outdoor laboratory for teaching and a site for long-term field research projects. The department also administers the Program for Studies in Tropical Conservation, which develops human resources and strengthens institutions in tropical countries through interdisciplinary research and training.

C. Provide a narrative of the planning process leading up to submission of this proposal. Include a chronology (table) of activities, listing both university personnel directly involved and external individuals who participated in planning. Provide a timetable of events necessary for the implementation of the proposed program.

The roots of the undergraduate program and the Department of Wildlife Ecology and Conservation (WEC) extend back to the mid-1930s, when the University of Florida first offered courses to forestry students. The School of Forestry was established by a state legislative mandate in 1937, and within 2 years, two wildlife-related courses ("Grazing and Wildlife" and "Game Management") were on the books. Five years later, the fledging wildlife program awarded its first graduate degree (Master of Science) the same year.

In 1965, all agriculture-related programs at UF, including the School of Forestry, were reorganized under the Institute of Food and Agricultural Sciences (IFAS). During the 1960s, student enrollment increased rapidly within both forestry and wildlife areas, and by the end of the decade, state-line faculty wildlife positions within the School of Forestry expanded, and four staff positions were dedicated to the wildlife program. Much of the emphasis of the wildlife program at that time had been in the arena of animal responses to forest management practices. However, the era of environmental awareness and concerns was burgeoning and the focus of the wildlife program began to expand.

The 1970s saw the dawn of integrated natural resources management. In 1974, a self-study within the School of Forestry resulted in three important developments: the School's name was changed to the School of Forest Resources and Conservation (SFRC), a new undergraduate program was implemented with a focus on ecosystem management, and a new interdisciplinary program in forest ecosystems incorporated both forestry and wildlife components.

By the mid-1970s, new faculty lines generated by state environmental program funds, and inflated student/faculty ratios set the stage for development of novel programs focused on range sciences, nature-based recreation, fisheries, and systems ecology. Based on a special review by The Wildlife Society in 1974, a senior-level wildlife scientist was recruited to serve as Assistant Director of SFRC to represent and guide non-forestry programs.

The 1980s brought continued growth in student numbers within SFRC and an intensified programmatic development of the wildlife and fisheries programs. Consequently, SFRC organized to form three core units (forest resources and conservation, fisheries and aquatic sciences, and wildlife and range sciences) with independent and cross-disciplinary curricula. These core units became separate departments within SFRC by the mid-1980s. The Department of Wildlife and Range Sciences (WRS) awarded its first Ph. D. degree in 1985. At the same time, the Department gained internationally recognition for its work in tropical wildlife ecology and conservation. Due in large part to the success of the tropical wildlife ecology working group, state supported faculty lines within the Department increased. In 1986, leadership of the campus-wide Program in Studies in Tropical Conservation was housed in the wildlife program.

Other major expansions within the Department involved collaboration and direct financial support from the Florida Game and Fresh Water Fish Commission (GFC), the US Department of Interior (USDI), and The Nature Conservancy. In 1986, WRS implemented the first academic program in urban wildlife management in the U.S. sponsored by contractual agreement with GFC. New faculty with split appointments in cooperative extension and research were added to the Department. Another cooperative agreement in the 1980s among UF, GFC, and USDI significantly expanded the Departmental research program with the formation of the Cooperative Fish and Wildlife Research Unit. The greatly expanded programmatic areas with WRS resulted in a concomitant expansion in graduate student numbers and extramural funding.

In 1994, after nearly 6 decades of direct affiliation with SFRC, the wildlife program became a free-standing academic department within IFAS. In 1995, the department's name was changed to Wildlife Ecology and Conservation (WEC) to better reflect programmatic thrusts. Number of graduate and undergraduate WEC majors greatly increased during the 1990s and student credit hours, particularly from undergraduate courses for non-majors, expanded dramatically. Faculty lines in the Department expanded significantly during the decade as well, with new faculty positions to expand the departmental efforts in conservation genetics, avian community conservation, and urban wildlife planning and management. WEC emerged as an academic leader in global conservation with international research programs in South and Central Americas, Africa and India. Nearly all WEC faculty also are Affiliate Faculty within UF's School of Natural Resources the Environment and direct many of the graduate students enrolled in this trans-disciplinary curriculum.

During the past decade, WEC has undergone a maturation process as an academic department. New faculty have focused work in the areas of upland game management, landscape ecology, population ecology, forest wildlife ecology and management, and conservation genetics. A strategic planning workshop for WEC was conducted in 2007 to assess existing academic and research programs and to plan changes to meet future demands and opportunities. Continued collaboration among UF, the Florida Fish and Wildlife Conservation Commission (FWC),

formally GFC) and the Cooperative Research Unit has led to the development of a Program in Ecological Statistics that is comprised of employees from the various agencies. A collaborative student mentoring/internship program was developed between WEC and GFC to provide practical field experiences for students who contemplate seeking employment with state or federal land management agencies.

Program planning has involved numerous individuals, both university and external, during the past several decades. Current planning involves CALS Associate Dean Elaine Turner, WEC Dept. Chair John Hayes, and the WEC Undergraduate Program committee led by William Giuliano. Consultations with the WEC Advisory Council and the FWC, one of the departments leading cooperators, have also occurred. Approval of the degree program is the only event necessary for the immediate implementation of the proposed program.

The program was approved at the university level as a stand-alone Bachelor's degree program in 1994. The current proposal is to receive approval from the University of Florida Board of Trustees and Florida Board of Governors.

VII. Program Quality Indicators - Reviews and Accreditation

Identify program reviews, accreditation visits, or internal reviews for any university degree programs related to the proposed program, especially any within the same academic unit. List all recommendations and summarize the institution's progress in implementing the recommendations.

The most recent comprehensive external review of WEC took place from March 12 to March 17, 2000; the program is scheduled for its next external review in May, 2010. Primary recommendations include:

- *Implementation of an introductory level course to introduce first and second year students to the major.* This recommendation was implemented through creation of WIS 3403, "Perspectives in Wildlife Ecology and Conservation."
- *Simplify WEC curriculum and reduce number of specialty options.* Headway was made on this several years ago, and some of the specialty areas were dropped. We are currently reevaluating this and are considering further consolidation of the degree specializations.
- *Work with agencies and NGOs to develop collaborative education and training programs, and develop formal internship programs with these institutions.* We have established formal internships with FWC to increase collaboration on educational activities. In addition, we are increasingly involving organizations such as USFS, TNC, and FWC in our instructional efforts, both by bringing professionals from their organizations into the classroom and by leading field trips to observe their activities. We are actively working to further expand on these programs.
- *Increase interactions among faculty, graduate students, and undergraduates.* We have instituted social opportunities to facilitate these interactions, paired undergraduates with

graduate students, and increased the departmental emphasis on undergraduate mentoring and advising by the faculty.

- *Build on the relationship with Tuskegee University to enhance exchange opportunities.* In the past three years we have expanded the number of Tuskegee students in our program, and the Department Chair and Dean's office has worked directly with Tuskegee to facilitate this relationship.
- *Increase international opportunities for undergraduate students.* We have instituted a study-abroad course in Namibia (taught twice, and planned to be taught annually into the future) and are developing a course in New Zealand.

VIII. Curriculum

- A. Describe the specific expected student learning outcomes associated with the proposed program. If a bachelor's degree program, include a web link to the Academic Learning Compact or include the document itself as an appendix.**

The student learning outcomes for the program include acquisition of knowledge of scientific, social and ethical areas of wildlife ecology and conservation, skills in critical reasoning and communication, and the application of ecological, mathematical and statistical concepts to the use of wildlife ecology and conservation data. The Academic Learning Compact is available at: <http://www.registrar.ufl.edu/catalog/programs/majors/alc/wildlife.html>.

- B. Describe the admission standards and graduation requirements for the program.**

Students who enter as freshmen meet the admission standards of the university. Community college and university transfer applicants must meet the admission standards of the university, and complete the prerequisite courses with a GPA of 2.5 or greater. Graduation requires completion of the 120-credit hour curriculum as outlined below along with maintaining an overall and upper-division GPA of 2.0 or greater.

C. Describe the curricular framework for the proposed program, including number of credit hours and composition of required core courses, restricted electives, unrestricted electives, thesis requirements, and dissertation requirements. Identify the total numbers of semester credit hours for the degree.

<u>Core science and math requirements</u>		19 credits
BSC 2010/2010L	Integrated Principles of Biology 1 and Laboratory	4
BSC 2011/2011L	Integrated Principles of Biology 2 and Laboratory	4
CHM 2045/2045L	General Chemistry 1 and Laboratory	4
MAC 2311	Analytic Geometry and Calculus 1	4
STA 2023	Introduction to Statistics 1	3
<u>College of Agricultural and Life Sciences requirements</u>		9-10 credits
Economics course		3-4
AEE 3033C	Research/Business Writing in Agricultural and Life Sci	3
AEE 3030C	Effective Oral Communication	3
<u>Other General Education requirements</u>		15 credits
Composition		3
Literature		3
Humanities		3
Social and Behavioral Sciences		3
Humanities or Social and Behavioral Sciences		3
<u>Core Wildlife Ecology and Conservation requirements</u>		28-30 credits
WIS 3403C	Perspectives in Wildlife Ecology and Conservation	3
WIS 3402/3402L	Wildlife of Florida and Laboratory	4
WIS 3401	Wildlife Ecology and Management	3
WIS 4501	Introduction of Wildlife Population Ecology	3
WIS 4554	Conservation Biology	3
Ecology course		3-4
Genetics course		3-4
Human dimensions or program development course		3
Additional WIS course		3
<u>Specialization requirements</u>		33-38 credits
<u>Unrestricted electives</u>		8-16 credits
<u>Total hours for degree</u>		120 credits

D. Provide a sequenced course of study for all majors, concentrations, or areas of emphasis within the proposed program.

The Wildlife Ecology and Conservation major has three specializations: Wildlife Ecology, Wildlife Conservation, and Pre-Professional. The sequenced course of study is available at <http://www.registrar.ufl.edu/catalog/programs/majors/wildlife.html> and is also reproduced as Appendix A.

E. Provide a one- or two-sentence description of each required or elective course.

All course descriptions are available at <http://www.registrar.ufl.edu/catalog/programs/courses>. Descriptions of all required Wildlife Ecology and Conservation courses and other required upper-division courses are provided in Appendix B.

F. For degree programs in the science and technology disciplines, discuss how industry-driven competencies were identified and incorporated into the curriculum and identify if any industry advisory council exists to provide input for curriculum development and student assessment.

Two professional societies, The Wildlife Society (www.wildlife.org) and the Ecological Society of America (www.esa.org) have established educational guidelines for professionals receiving degrees/specializations in Wildlife Ecology and Conservation. These guidelines are based on the collective expertise of professionals from all sub-disciplines within wildlife ecology and conservation, suggest a core education appropriate for continued work in any wildlife field, and if fulfilled lead to certification of students by these organizations. The Wildlife Ecology and Wildlife Conservation specializations were designed to allow students to meet these professional certification requirements. For the Pre-professional specialization, requirements of various veterinary medicine programs, including those of the University of Florida, were reviewed, and a program developed to allow students to enter and successfully complete a Doctor of Veterinary Medicine degree. Finally, both the WEC Advisory Council, comprised of industry leaders, and the WEC-FWC Joint Committee on Wildlife Education, with FWC being one of the departments leading cooperators and potential employers, were consulted and suggestions for training incorporated into the curricula.

G. For all programs, list the specialized accreditation agencies and learned societies that would be concerned with the proposed program. Will the university seek accreditation for the program if it is available? If not, why? Provide a brief timeline for seeking accreditation, if appropriate.

There is no appropriate accreditation program. See section VII.F. for additional detail. Professional societies concerned with the proposed program include The Wildlife Society, Society for Conservation Biology, and Ecological Society of America.

- H. For doctoral programs, list the accreditation agencies and learned societies that would be concerned with corresponding bachelor's or master's programs associated with the proposed program. Are the programs accredited? If not, why?**

Not applicable.

- I. Briefly describe the anticipated delivery system for the proposed program (e.g., traditional delivery on main campus; traditional delivery at branch campuses or centers; or nontraditional delivery such as distance or distributed learning, self-paced instruction, or external degree programs). If the proposed delivery system will require specialized services or greater than normal financial support, include projected costs in Table 2. Provide a narrative describing the feasibility of delivering the proposed program through collaboration with other universities, both public and private. Cite specific queries made of other institutions with respect to shared courses, distance/distributed learning technologies, and joint-use facilities for research or internships.**

Program delivery will take place on the main University of Florida campus.

IX. Faculty Participation

- A. Use Table 4 to identify existing and anticipated ranked (not visiting or adjunct) faculty who will participate in the proposed program through Year 5. Include (a) faculty code associated with the source of funding for the position; (b) name; (c) highest degree held; (d) academic discipline or specialization; (e) contract status (tenure, tenure-earning, or multi-year annual [MYA]); (f) contract length in months; and (g) percent of annual effort that will be directed toward the proposed program (instruction, advising, supervising internships and practica, and supervising thesis or dissertation hours).**

See Table 4.

- B. Use Table 2 to display the costs and associated funding resources for existing and anticipated ranked faculty (as identified in Table 2). Costs for visiting and adjunct faculty should be included in the category of Other Personnel Services (OPS). Provide a narrative summarizing projected costs and funding sources.**

Projected costs for the program are \$495,268 in year one, increasing to \$621,985 in year 5. All sources of funds are currently allocated Education and General funds. See Table 2.

C. Provide the number of master's theses and/or doctoral dissertations directed, and the number and type of professional publications for each existing faculty member (do not include information for visiting or adjunct faculty).

Faculty Name	Theses	Dissertations	Professional Publications
James Austin	1	0	17
Lyn Branch	7	3	21
Emilio Bruna	3	0	46
Robert Fletcher	1	0	26
William Giuliano	14	1	60
John Hayes	9	9	61
Susan Jacobson	7	2	64
Michael Moulton	2	4	45
Madan Oli	5	1	44
William Pine	0	0	27
Kathryn Sieving	4	4	41
Melvin Sunquist	15	5	72

D. Provide evidence that the academic unit(s) associated with this new degree have been productive in teaching, research, and service. Such evidence may include trends over time for average course load, FTE productivity, student HC in major or service courses, degrees granted, external funding attracted, as well as qualitative indicators of excellence.

The Wildlife Ecology and Conservation department has been productive in teaching, research and service. On average, the department generates 12,028 student credit hours per year, grants 40 B.S., 12 M.S., and 5 Ph.D. per year, and attracts \$2.5 to \$3 million per year in external research funding.

X. Non-Faculty Resources

A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5. Provide the total number of volumes and serials available in this discipline and related fields. List major journals that are available to the university's students. Include a signed statement from the Library Director that this subsection and subsection B have been reviewed and approved for all doctoral level proposals.

Library resources in wildlife ecology and conservation are sufficient for undergraduate programs. These resources are located primarily in the Marston Science Library with supplemental resources in the Special and Area Studies collections (Rare Books, Florida History, Africana, Asian Studies, and Latin American collections). The science collections include books in the following pertinent subject areas (with number of titles): ecology 782 (QH 540-549), zoology 16,319 (QL 1-991) and wildlife management 445 (SK 351-579). The science journal titles include (with number of titles): ecology 92, zoology 1,290 and wildlife management 78. Primary journal titles include: *African Journal of Ecology*, *Animal Conservation*, *Annual Report/Florida Game and Freshwater Fish Commission*, *Annual Report/IUCN*, *Annual Report/US Fish and Wildlife Service*, *Applied Biology*, *Australian Wildlife Research*, *Conservation Biology*, *East African Wildlife Journal*, *Ecology and Society*, *Endangered Species Technical Bulletin*, *Florida Wildlife*, *Herpetological Conservation and Biology*, *Journal of Wildlife Management*, *IUCN Red*

List of Threatened Species, Technical Bulletins/Florida Game and Freshwater Fish Commission, Wildlife Biology, Wildlife Management, Wildlife Management Area Reports/Florida Game and Freshwater Fish Commission, Wildlife Management Bulletin (Canada), Wildlife Monographs, Wildlife Research, and Wildlife Society Bulletin. Databases include: BioOne (bioscience research journals online), BIOSIS (index to bioscience journals), Cambridge Scientific Abstracts (index to bioscience journals), JSTOR (historical bioscience journals online), Knovel (bioscience reference books online), Web of Knowledge (index to bioscience journals), Wildlife and Ecology Studies Worldwide (index to journals covering these subjects), and Zoological Record (index to animal systematic and ecology journals).

- B. Describe additional library resources that are needed to implement and/or sustain the program through Year 5. Include projected costs of additional library resources in Table 3.**

None.

- C. Describe classroom, teaching laboratory, research laboratory, office, and other types of space that are necessary and currently available to implement the proposed program through Year 5.**

WEC is administratively managed from its main campus building, Newins-Ziegler Hall (NZH) where the School of Forest Resources and Conservation (SFRC) is also housed. Although the total building square footage is 38000 sf, it is divided 66% SFRC and 33% WEC. Three classrooms are shared between the two, totaling 3058 sf, along with the classroom support service areas.

Separate from SFRC assigned space within NZH, WEC has 2010 sf for administration, 2290 sf for faculty/staff, 157 sf for graduate student carrels, 2733 sf for research/nonclass labs, and approx. 5000 sf for support services.

Along with NZH, WEC manages the Ordway-Swisher Biological Station with two buildings that support WEC's research and instructional programs. These buildings contain 580 sf for faculty/staff offices, 1440 sf classroom space, and 800 sf for support services.

Also assigned to WEC are 9 additional buildings across campus. These buildings add an additional 2691 sf for faculty/staff offices, 495 sf graduate student space, 4200 sf for research/nonclass lab space, and 2286 sf for research/classroom storage.

- D. Describe additional classroom, teaching laboratory, research laboratory, office, and other space needed to implement and/or maintain the proposed program through Year 5. Include any projected Instruction and Research (I&R) costs of additional space in Table 2. Do not include costs for new construction because that information should be provided in response to X (J) below.**

None.

- E. Describe specialized equipment that is currently available to implement the proposed program through Year 5. Focus primarily on instructional and research requirements.**

Specialized equipment needed and currently available to implement the proposed program includes geographic information system (GIS) and statistical software and hardware; wildlife capture, handling, marking, and monitoring equipment; and habitat assessment and management equipment.

- F. Describe additional specialized equipment that will be needed to implement and/or sustain the proposed program through Year 5. Include projected costs of additional equipment in Table 2.**

None.

- G. Describe any additional special categories of resources needed to implement the program through Year 5 (access to proprietary research facilities, specialized services, extended travel, etc.). Include projected costs of special resources in Table 2.**

None.

- H. Describe fellowships, scholarships, and graduate assistantships to be allocated to the proposed program through Year 5. Include the projected costs in Table 2.**

Florida Wildlife Federation Scholarship; \$2500 per year
The Wildlife Society Fellowship; \$1000 per year
Jennings Scholarship; \$1500 per year
Monica Stokely Memorial Scholarship; \$1500 per year

- I. Describe currently available sites for internship and practicum experiences, if appropriate to the program. Describe plans to seek additional sites in Years 1 through 5.**

The proposed program encourages but does not require an internship or practicum experience. However, several such programs have been established. The FWC provides at least two paid internships each year, and other organizations such as the USFWS provide other opportunities on a competitive basis. The department continually seeks new opportunities with government and non-government organizations.

- J. If a new capital expenditure for instructional or research space is required, indicate where this item appears on the university's fixed capital outlay priority list. Table 2 includes only Instruction and Research (I&R) costs. If non-I&R costs, such as indirect costs affecting libraries and student services, are expected to increase as a result of the program, describe and estimate those expenses in narrative form below. It is expected that high enrollment programs in particular would necessitate increased costs in non-I&R activities.**

None.

Appendix A: Wildlife Ecology and Conservation Major 2009-2010 Undergraduate Catalog

Majors

Wildlife Ecology and Conservation
College: Agricultural and Life Sciences
Degree: Bachelor of Science
Hours for the Degree: 120
Specializations: Wildlife Ecology, Wildlife Conservation, Preprofessional
Minor: Yes
Combined-Degree Program: No
Website: www.wec.ufl.edu/undergrad/major.php

Designed for the student with a keen interest in wildlife ecology and conservation, this major provides training for a variety of wildlife careers, as well as a solid foundation for professional employment or advanced graduate study. The primary focus of our undergraduate teaching is to develop the student's knowledge of the conservation and management of wildlife and their habitats for the greatest aesthetic, ecological, economic and recreational values.

Students must designate a specialization no later than the semester after 60 credit hours are completed and before registration for classes the following semester. Earlier selection of the preprofessional specialization is recommended. Consult an adviser for guidance. The specialization must be provided to WEC Student Services Office, 102 Newins-Ziegler Hall.

The department also co-administers a major in natural resource conservation with the School of Forest Resources and Conservation. Refer to the forestry section in this guide for information.

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

[Specialization: Wildlife Ecology](#)

[Specialization: Wildlife Conservation](#)

[Specialization: Preprofessional](#)

Specialization: Wildlife Ecology

Students in this specialization train in the biological, social, physical and management sciences, and excel at both the scientific and human dimensions of managing wildlife and natural resources. With appropriate choice of electives and course options (below), graduates satisfy requirements for certification as an associate wildlife biologist with The Wildlife Society.

Critical Tracking and Recommended Semester Plan

Semester 1

- 2.0 UF GPA required for semesters 1-5
- 2.5 GPA on required math and science courses combined semesters 1-5
- Complete 1 of 6 critical-tracking courses, excluding labs: BSC 2010/2010L, BSC 2011/2011L, CHM 2045/2045L, ECO 2023 or AEB 3103, MAC 2311, STA 2023

Semester 2

- Complete 1 additional critical-tracking course, excluding labs

Semester 3

- Complete 2 additional critical-tracking courses, excluding labs

Semester 4

- Complete 2 additional critical-tracking courses, excluding labs

Semester 5

- Complete all critical-tracking courses, including labs

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

Recommended semester plan

Semester 1	Credits
BSC 2010 Integrated Principles of Biology 1 (3) and 2010L Laboratory (1) (GE-B)	4
WIS 3403C Perspectives in Wildlife Ecology and Conservation	3
Composition (GE-C, WR)	3
Elective	2
Humanities (GE-H)	3
Total	15
Semester 2	Credits
BSC 2011 Integrated Principles of Biology 2 (3) and 2011L Laboratory (1) (GE-B)	4
ECO 2023 Principles of Microeconomics or AEB 3103 Principles of Food and Resource Economics (GE-S)	4
AML 2070 Survey of American Literature or AML 2410 Issues in American Literature and Culture or ENL 2012 Survey of English Literature, Medieval to 1750 or ENL 2022 Survey of English Literature, 1750 to Present (all are GE-C, H)	3
Elective	1

Social and Behavioral Sciences (GE-S)	3
Total	15
Semester 3	Credits
AEE 3030C Effective Oral Communication	3
AEE 3033C Research and Business Writing in Agricultural and Life Sciences (WR)	3
CHM 2045 General Chemistry 1 (3) and 2045L Laboratory (1) (GE-P)	4
STA 2023 Introduction to Statistics 1 (GE-M)	3
Elective	2
Total	15
Semester 4	Credits
MAC 2311 Analytic Geometry and Calculus 1 (GE-M)	4
SWS 3022 Introduction to Soils in the Environment (3) and 3022L Laboratory (1) (GE-P)	4
WIS 3402 Wildlife of Florida (3) and 3402L Laboratory (1)	4
Humanities (GE-H) or Social and Behavioral Sciences (GE-S)	3
Total	15
Summer	Credits
BOT 3151C Local Flora of North Florida or FNR 3131C Dendrology/Forest Plants	3
Total	3
Semester 5	Credits
BOT 2710C Practical Plant Taxonomy	3
FOR 3153C Forest Ecology (3) or PCB 3034C Introduction to Ecology (4) or PCB 3601C Plant Ecology (3) or PCB 4044C General Ecology (4)	3-4
STA 3024 Introduction to Statistics 2	3
WIS 3401 Wildlife Ecology and Management	3
Elective	3
Total	15-16
Semester 6	Credits
ENY 3005 Principles of Entomology (2) and 3005L Laboratory (1) or ZOO 2203C Invertebrate Zoology (4)	3-4
WIS 3553 Introduction to Conservation Genetics	3
WIS 4501 Introduction to Wildlife Population Ecology	3
Elective	3
Total	12-13
Semester 7	Credits

GIS 3043 Foundations of Geographic Information Systems (4) or MAC 2312 Analytic Geometry and Calculus 2 (4) (GE-M) or SUR 3393 and 3393L Geographic Information Systems (2) and Laboratory (1) or URP 4273 Survey of Planning Information Systems (3)	3-4
FNR 4070C Environmental Education Program Development or FOR 4664 Sustainable Ecotourism Development or WIS 4523 Human Dimensions of Natural Resource Conservation	3
WIS 4554 Conservation Biology	3
ZOO 2303C Vertebrate Zoology	4
Elective	3
Total	16-17
Semester 8	Credits
FAS 4305 Introduction to Fishery Science (3) or ZOO 4472C Avian Biology (4)	3-4
FNR 4660C Natural Resource Policy and Administration or AEB 4274 Natural Resource and Environmental Policy	3
WIS 4547C Avian Field Techniques or WIS 4945C Wildlife Techniques	2
Choose two:	6
WIS 4203C Introduction to Landscape Ecology (3)	
WIS 4427C Wildlife Habitat Management (3)	
WIS 4601C Quantitative Wildlife Ecology (3)	
Total	14-15

Note: Electives are used to complete the balance of 120 credits required for graduation. All electives are free; wildlife ecology students can choose any electives. Suggested electives include any WIS course and approved focus courses for the wildlife conservation specialization. Lists of approved focus courses are available in the WEC Student Services Office, 102 Newins-Ziegler Hall.

Wildlife Society Certification: Nine credits of physical science are required for certification as an associate wildlife biologist through The Wildlife Society (TWS). Students who wish to meet the requirements for certification and do not have these credits should choose one of the following physical science courses as an elective.

Approved Physical Science Courses

CHM 2046 General Chemistry 2 (3) and 2046L Laboratory (1)	4
EES 4370 Environmental Meteorology and Oceanography	3
GEO 3250 Climatology	3
GLY 2030C Environmental and Engineering Geology	3
PHY 2004 Applied Physics 1 (3) and 2004L Laboratory (1)	4

PHY 2053 Physics 1 (4) and 2053L Laboratory (1)

5

One course in the biology of birds and mammals is also required by TWS: Students should choose ZOO 4435 Comparative Biology of Birds and Mammals -- or ZOO 4472C Avian Biology -- in semester 8.

Details of certification requirements and application materials are available at www.wildlife.org/.

Specialization: Wildlife Conservation

This specialization allows students the flexibility to select a secondary focus comprised of seven courses (21 credit hours) in one of three areas: land management, quantitative science and human dimensions.

All students must file a plan of study as early as possible for the secondary focus in 102 Newins-Ziegler Hall. The plan must be approved and signed by the student's adviser and then filed no later than the semester after 60 credit hours are completed and before the student registers for classes the following semester.

Lists of approved courses are available in the WEC Student Services Office, 102 Newins-Ziegler Hall. Course substitutions must be approved by an adviser. Some students in this specialization can also satisfy requirements for certification as an associate wildlife biologist by The Wildlife Society. Certification requirements and applications are available at www.wildlife.org/.

Critical Tracking and Recommended Semester Plan

Semester 1

- 2.0 UF GPA required for semesters 1-5
- 2.5 GPA on required math and science courses combined semesters 1-5
- Complete 1 of 6 critical-tracking courses, excluding labs: BSC 2010/2010L, BSC 2011/2011L, CHM 2045/2045L, ECO 2023 or AEB 3103, MAC 2311, STA 2023

Semester 2

- Complete 1 additional critical-tracking course, excluding labs

Semester 3

- Complete 2 additional critical-tracking courses, excluding labs

Semester 4

- Complete 2 additional critical-tracking courses, excluding labs

Semester 5

- Complete all critical-tracking courses, including labs

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

Recommended semester plan

Semester 1	Credits
BSC 2010 Integrated Principles of Biology 1 (3) and 2010L Laboratory (1) (GE-B)	4
WIS 3403C Perspectives in Wildlife Ecology and Conservation	3
Composition (GE-C, WR)	3
Electives or approved physical science courses	5
Total	15
Semester 2	Credits
BSC 2011 Integrated Principles of Biology 2 (3) and 2011L Laboratory (1) (GE-B)	4
AML 2070 Survey of American Literature or AML 2410 Issues in American Literature and Culture or ENL 2012 Survey of English Literature, Medieval to 1750 or ENL 2022 Survey of English Literature, 1750 to Present (all are GE-C, H)	3
Elective	2
Humanities (GE-H)	3
Social and Behavioral Sciences (GE-S)	3
Total	15
Semester 3	Credits
AEB 3103 Principles of Food and Resource Economics or ECO 2023 Principles of Microeconomics (GE-S)	4
AEE 3030C Effective Oral Communication	3
AEE 3033C Research and Business Writing in Agricultural and Life Sciences (WR)	3
CHM 2045 General Chemistry 1 (3) and 2045L Laboratory (1) (GE-P)	4
Elective	2
Total	16
Semester 4	Credits
MAC 2311 Analytic Geometry and Calculus 1 (GE-M)	4
STA 2023 Introduction to Statistics 1 (GE-M)	3
WIS 3402 Wildlife of Florida (3) and WIS 3402L Laboratory (1)	4
Humanities (GE-H) or Social and Behavioral Sciences (GE-S)	3
Total	14
Semester 5	Credits
FOR 3153C Forest Ecology (3) or	3-4

PCB 3034C Introduction to Ecology (4) or PCB 3601C Plant Ecology (3) or PCB 4044C General Ecology (4)	
GIS 3043 Foundations of Geographic Information Systems (4) or MAC 2312 Analytic Geometry and Calculus 2 (4) (GE-M) or SUR 3393 and 3393L Geographic Information Systems and Laboratory (3) or URP 4273 Survey of Planning Information Systems (3)	3-4
STA 3024 Introduction to Statistics 2	3
WIS 3401 Wildlife Ecology and Management	3
Elective	3
Total	15-17
Semester 6	Credits
WIS 3553 Introduction to Conservation Genetics	3
WIS 4501 Introduction to Wildlife Population Ecology	3
Elective	3
Two focus courses	6
Total	15
Semester 7	Credits
FNR 4070C Environmental Education Program Development or FOR 4664 Sustainable Ecotourism Development or WIS 4523 Human Dimensions of Natural Resource Conservation	3
WIS 4554 Conservation Biology	3
Three focus courses	9
Total	15
Semester 8	Credits
AEB 4274 Natural Resource and Environmental Policy or FNR 4660C Natural Resource Policy and Administration	3
Two focus courses	6
Choose two:	6
WIS 4203C Introduction to Landscape Ecology (3)	
WIS 4427C Wildlife Habitat Management (3)	
WIS 4601C Quantitative Wildlife Ecology (3)	
Total	15

Note: Electives are used to complete the balance of 120 credits required for graduation.

Specialization: Preprofessional

This specialization satisfies the coursework requirements for admission to the Doctor of Veterinary Medicine program. Students pursuing admission to the College of Veterinary Medicine must take six credits of general

education composition, nine credits of humanities and six credits of social and behavioral science.

Some students can also satisfy requirements for certification as an associate wildlife biologist by The Wildlife Society. Certification requirements and application material are available at www.wildlife.org/.

Critical Tracking and Recommended Semester Plan

Semester 1

- 2.0 UF GPA required for semesters 1-5
- 2.5 GPA on required math and science courses combined semesters 1-5
- Complete 2 of 7 critical-tracking courses, excluding labs: BSC 2010/2010L, BSC 2011/2011L, CHM 2045/2045L, CHM 2046/2046L, ECO 2023 or AEB 3103, MAC 2311, STA 2023

Semester 2

- Complete 2 additional critical-tracking courses, excluding labs

Semester 3

- Complete 1 additional critical-tracking course, excluding labs

Semester 4

- Complete 2 additional critical-tracking courses, excluding labs

Semester 5

- Complete all critical-tracking courses, including labs

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

Recommended semester plan

Semester 1	Credits
BSC 2010 Integrated Principles of Biology 1 (3) and 2010L Laboratory (1) (GE-B)	4
CHM 2045 General Chemistry 1 (3) and 2045L Laboratory (1) (GE-P)	4
WIS 3403C Perspectives in Wildlife Ecology and Conservation	3
Composition (GE-C, WR)	3
Total	14
Semester 2	Credits

AML 2070 Survey of American Literature or AML 2410 Issues in American Literature and Culture or ENL 2012 Survey of English Literature, Medieval to 1750 or ENL 2022 Survey of English Literature, 1750 to Present (all are GE-C, H)	3
BSC 2011 Integrated Principles of Biology 2 (3) and 2011L Laboratory (1) (GE-B)	4
CHM 2046 General Chemistry 2 (3) and 2046L Laboratory (1) (GE-P)	4
Elective	1
Humanities (GE-H)	3
Total	15
Semester 3	Credits
AEE 3033C Research and Business Writing in Agricultural and Life Sciences (WR)	3
CHM 2210 Organic Chemistry 1	3
MAC 2311 Analytic Geometry and Calculus 1 (GE-M)	4
Elective	3
Humanities (GE-H) or Social and Behavioral Sciences (GE-S)	3
Total	16
Semester 4	Credits
AEB 3103 Principles of Food and Resource Economics or ECO 2023 Principles of Microeconomics (GE-S)	4
CHM 2211 Organic Chemistry 2 (3) and 2211L Laboratory (2)	5
STA 2023 Introduction to Statistics 1 (GE-M)	3
WIS 3402 Wildlife of Florida (3) and 3402L and Laboratory (1)	4
Total	16
Semester 5	Credits
FOR 3153C Forest Ecology (3) or PCB 3034C Introduction to Ecology (4) or PCB 3601C Plant Ecology (3) or PCB 4044C General Ecology (4)	3-4
PHY 2053 Physics 1 (4) and 2053L Laboratory (1)	5
WIS 3401 Wildlife Ecology and Management	3
Elective	3
Total	14-15
Semester 6	Credits
AGR 3303 Genetics (3) or PCB 3063 Genetics (4)	3-4
PHY 2054 Physics 2 (4) and 2054L Laboratory (1)	5
WIS 4501 Introduction to Wildlife Population Ecology	3
Elective	3

	Total	14-15
Semester 7		Credits
ANS 3440 Principles of Animal Nutrition		4
BCH 3025 Fundamentals of Biochemistry or BCH 4024 Introduction to Biochemistry and Molecular Biology or CHM 3218 Organic Chemistry/Biochemistry 2 (4)		4
WIS 4523 Human Dimensions of Natural Resource Conservation or FNR 4070C Environmental Education Program Development or FOR 4664 Sustainable Ecotourism Development		3
WIS 4554 Conservation Biology		3
Elective		3
	Total	17
Semester 8		Credits
AEE 3030C Effective Oral Communication		3
ANS 3006C Introduction to Animal Science		4
MCB 3020 Basic Biology of Microorganisms (3) and 3020L Laboratory (1)		4
WIS 4203C Introduction to Landscape Ecology or WIS 4427C Wildlife Habitat Management or WIS 4601C Quantitative Wildlife Ecology		3
	Total	14

Note: Electives are used to complete the balance of 120 credits required for graduation.

All electives are free; wildlife conservation students can choose any electives. Suggested electives include any WIS course and approved focus courses for the wildlife conservation specialization.

Appendix B. Course Descriptions for Required Courses, semesters 5-8.

AEB 4274 Natural Resource and Environmental Policy Credits: 3; Prereq: AEB 3103 or ECO 2023.

A study of the role of government in natural resource and environmental management. Discussion of the role of government. Includes historical perspective on the evolution of natural resource and environmental policies and programs. Surveys current public policies and programs at the state and federal government levels, and identifies institutions which address international and global and environmental issues. Considers the role of economist as policy analyst, providing information on likely consequences of policy options.

AEE 3030C Effective Oral Communication Credits: 3.

Strategies and techniques for effective presentations in the food, agricultural and natural resource professions. Emphasis on oral and visual techniques for formal and informal situations including leadership and group settings.

AEE 3033C Research and Business Writing in Agricultural and Life Sciences Credits: 3.

The purposes of this course are to establish the importance of effective communication to success in both the educational and professional environments; emphasize writing as a primary form of communication; examine the elements of effective written communication in organizational and scholarly areas; and explore the causes of ineffective writing and ways to correct them. (WR)

AGR 3303 Genetics Credits: 3; Prereq: basic course in biology, botany or zoology.

The science and physical basis of inheritance, genes as units of heredity and development, and the qualitative and quantitative aspects of genetic variation. (B)

ANS 3006C Introduction to Animal Science Credits: 4.

Role of beef cattle, dairy cattle, swine, sheep, poultry and horses in serving humans. Introduction to anatomy and physiology of digestion, growth, reproduction and the application of genetics to livestock improvement.

ANS 3440 Principles of Animal Nutrition Credits: 4; Prereq: CHM 2045 and CHM 2045L, or equivalent.

The nutrients required by animals, their functions interrelationships, and processes of utilization; feedstuff composition and their use in diet and ration formulation.

BCH 3025 Fundamentals of Biochemistry Credits: 4; Prereq: grade of C or better in CHM 2200, CHM 2200L or preferably CHM 2210, CHM 2211, CHM 2211L.

An introduction to biochemistry with emphasis on intermediary metabolism.

BCH 4024 Introduction to Biochemistry and Molecular Biology Credits: 4; Prereq: CHM 2211 or CHM 3217, or instructor permission.

An introduction to physical biochemistry, intermediary metabolism and molecular biology. Topics include a survey of structure, chemistry and function of proteins and nucleic acids, enzyme kinetics and mechanisms of catalysis; a survey of the pathways of carbohydrate, lipid and nitrogen metabolism and their metabolic control; regulation of gene expression at the level of DNA, RNA, and protein synthesis.

BOT 2710C Practical Plant Taxonomy Credits: 3.

Introduction to plant taxonomy, including principles of systematic botany, nomenclature and classification, but emphasizing identification. Student will be able to identify the common ferns, fern allies, gymnosperms and flowering plants of field and garden.

BOT 3151C Local Flora of North Florida Credits: 3.

Laboratory observation of the gross features of vascular plants and practice in the use of keys to identify plants. Elementary ecology of principal types of plant communities in northern Florida. Field trips. (B)

ENY 3005 Principles of Entomology Credits: 2; Prereq: ENY 3005L.

An introduction to principles of insect study. Lectures on insect structure, development, evolutionary history of insects and ecological significance. (B)

ENY 3005L Principles of Entomology Laboratory Credits: 1; Coreq: ENY 3005.

Provides practical experience working with insects, use of laboratory equipment, dissection of insects, prepare lab reports. Collection required. (B)

FAS 4305C Introduction to Fishery Science Credits: 3; Prereq: refer to the department.

Principles of fish management in freshwater and marine systems. Includes field and laboratory techniques for aquatic habitat and fishery resource assessment, aquaculture practices and consideration of contemporary issues pertinent to sport and commercial uses of renewable fisheries resources.

FNR 3131C Dendrology/Forest Plants Credits: 4; Prereq: refer to the department.

Provides students with a basic understanding of the classification, nomenclature, morphology, ecological relationships, associations and uses of the major forest tree and shrub species of North America.

FNR 4070C Environmental Education Program Development Credits: 3; Prereq: recommended EDG 2930 and/or WIS 5423; Coreq: FNR 4343L.

A comprehensive approach to program development, from needs assessment to evaluation, will be applied to non-formal environmental opportunities. Existing and developing programs will be analyzed, with emphasis on the role of participation and indicators in meeting environmental objectives. Required field trips will be scheduled.

FNR 4660C Natural Resource Policy and Administration Credits: 3; Prereq: junior or senior standing.

Factors in evolution of forest, range, wildlife and related natural resources administration and policies in the United States; policy components; policy formation in implementation, administration and change processes; introduction to criteria for evaluating effectiveness of policies and administration.

FOR 4664 Sustainable Ecotourism Development Credits: 3.

An interdisciplinary and applicable study of the tools and techniques managers and planners use to provide sustainable ecotourism opportunities in Florida and worldwide. Topics include integrating ecotourism with other resource uses, landscape level ecotourism planning, sustainable community development, minimizing and monitoring ecotourism impacts, and creating a diversity of ecotourism opportunities.

GIS 3043 Foundations of Geographic Information Systems Credits: 4; Prereq: 2000-level human geography course, GEO 2200 and GEO 3162C.

Geographic Information Systems (GIS) is the technology for the creation, modification, display and analysis of spatial information. Knowledge of GIS, competence in geographic databases and familiarity with computer software and hardware.

MAC 2312 Analytic Geometry and Calculus 2 Credits: 4; Prereq: grade of C or better in MAC 2311 or MAC 3472.

Techniques of integration; applications of integration; differentiation and integration of inverse trigonometric, exponential and logarithmic functions; sequences and series.

MCB 3020 Basic Biology of Microorganisms Credits: 3; Prereq: BSC 2010 and BSC 2010L, or equivalent, with grade of C or better; BSC 2011 and BSC 2011L, or equivalent, or AGR 3303; CHM 2210 or CHM 2200. Registration restricted to non-microbiology majors only.

Introduction to the principles and techniques of microbiology, genetics, taxonomy, biochemistry and ecology and microorganisms. Students will also become familiarized with virology, immunology and the pathogenicity of microorganisms. (B)

MCB 3020L Laboratory for Basic Biology of Microorganisms Credits: 1; Coreq: MCB 3020. Registration restricted to non-microbiology majors only.

Laboratory exercises on the structure, nutrition and growth of prokaryotic and eukaryotic cells. Includes isolation and classification of representative microorganisms.

PCB 3034C Introduction to Ecology Credits: 4; Prereq: introductory college biology.

Basic principles of ecology as they apply to environmental problems, including major terrestrial and aquatic ecosystems of Florida. (B)

PCB 3063 Genetics Credits: 4; Prereq: BSC 2011 and BSC 2011L, or equivalent, with grades of at least C and general chemistry.

The fundamental properties of inheritance in eukaryotic organisms emphasizing examples in man. Basic concepts are developed for the nature, organization, transmission, expression, recombination and function of genetic materials and principles are derived for genetically characterizing populations. (B)

PCB 3601C Plant Ecology Credits: 3; Prereq: introductory college biology or botany.

Principles of ecology at scales ranging from individual plants to landscapes. Emphasis is on species, ecosystems and environmental programs in Florida.

PCB 4044C General Ecology Credits: 4; Prereq: BSC 2011 and 2011L, or equivalent, with grades of at least C.

Ecological processes and organization in terrestrial and aquatic habitats. Laboratory and field exercises emphasize techniques of ecological analysis. (B)

STA 3024 Introduction to Statistics 2 Credits: 3; Prereq: STA 2023 or the equivalent.

An introduction to the analysis of variance. Nonparametric statistical methods and applications. Analysis of count data: chi-square and contingency tables. Simple and multiple linear regression methods with applications. (M) (MR)

SUR 3393 Geographic Information Systems Credits: 2.

GIS concepts, surveying and mapping inputs in GIS development, comparison of GIS systems, and applications in the natural and physical sciences, engineering and planning.

SUR 3393L Geographic Information Systems Laboratory Credits: 1; Coreq: SUR 3393.

Geographic information systems, image processing, remote sensing and digitizing.

SWS 3022 Introduction to Soils in the Environment Credits: 3.

Fundamentals of soil science emphasizing the physical, chemical and biological properties of soils in relation to growth of native and agricultural plants and environmental uses. (P)

SWS 3022L Introduction to Soils in the Environment Laboratory Credits: 1.

Hands-on exposure to soils-related properties and processes.

URP 4273 Survey of Planning Information Systems Credits: 3.

Introduces students to concepts and theory associated with desktop Geographic Information Systems (GIS), as related to urban and environmental planning. Lectures, class assignments and homework assignments are required.

WIS 3401 Wildlife Ecology and Management Credits: 3; Prereq: BSC 2011 and BSC 2011L.

Wildlife as natural resource with emphasis on principles of conservation, ecology and management.

WIS 3401L Wildlife Ecology and Management Laboratory Credits: 2; Prereq: WIS 3401.

A laboratory designed to familiarize students with the characteristics, life history traits and identification of birds, mammals, reptiles and amphibians of Florida.

WIS 3402 Wildlife of Florida Credits: 3.

Introduction to diversity of wildlife species in Florida with emphasis on amphibians, reptiles, mammals and birds.

WIS 3402L Wildlife of Florida Laboratory Credits: 1.

Introduces diversity of wildlife in Florida's ecosystems with emphasis on field identification, natural history and ecology of birds, mammals, amphibians and reptiles.

WIS 3403C Perspectives in Wildlife Ecology and Conservation Credits: 3; Prereq: WIE major.

Introduction to key concepts and contemporary issues in wildlife ecology and conservation, with an emphasis on critical reasoning skills.

WIS 3553 Introduction to Conservation Genetics Credits: 3; Prereq: Basic biology, STA 3024, and one of PCB 3034C, 3601C, 4044C or FOR 3153C .

This course provides an introduction to the types of molecular polymorphisms found in nature, how genetic information is organized, what evolutionary and demographic forces act to shape genetic polymorphisms, and how and why genetics are useful in population conservation and management.

WIS 4203C Introduction to Landscape Ecology Credits: 3; Prereq: STA 3024 and PCB 3034C, PCB 3601C, PCB 4044C or FOR 3153C.

Central constructs and methods of landscape ecology are applied to wildlife ecology and conservation.

WIS 4427C Wildlife Habitat Management Credits: 3; Prereq: WIS 3401.

Application of land management practices and their effects on wildlife habitats in Florida.

WIS 4501 Introduction to Wildlife Population Ecology Credits: 3; Prereq: WIS 3401 and PCB 3034C, PCB 3601C or PCB 4044C or FOR 3153C.

Introduction to the dynamics and regulation of biological populations and life-history theory.

WIS 4523 Human Dimensions of Natural Resource Conservation Credits: 3; Prereq: WIS 3401 or WIS 4554.

Local and international models are used to provide an interdisciplinary overview of the theory and practice of conservation education, environmental communication and integrated resource management and conservation.

WIS 4547C Avian Field Techniques Credits: 2; Prereq: 1 course each in ecology and vertebrate ecology.

Intensive advanced field experience in scientific study design and ecology of wild bird populations and communities.

WIS 4554 Conservation Biology Credits: 3; Prereq: WIS 3553 or PCB 3063; PCB 3034C, PCB 3601C, PCB 4044C, or FOR 3153C; and WIS 3401.

This course is an overview of the major problems in conservation and of the biological principles and theories to preserve this diversity.

WIS 4601C Quantitative Wildlife Ecology Credits: 3; Prereq: STA 2023 and WIS 3401.

Concepts and applications of quantitative techniques in ecology and wildlife management.

ZOO 2203C Invertebrate Zoology Credits: 4; Prereq: BSC 2011 and 2011L, or equivalent, with grades of at least C, and PCB 4674 or instructor permission.

The structure, taxonomy, evolutionary relationships and life histories of the invertebrate animals. (B)

ZOO 2303C Vertebrate Zoology Credits: 4; Prereq: BSC 2011 and 2011L, or equivalent, with grades of at least C.

The evolution, taxonomy, ecology and behavior of vertebrates. Emphasis is on the adaptations of wild animals to their natural habitats. Laboratory will include field trips. (B)

ZOO 4472C Avian Biology Credits: 4; BSC 2011 and 2011L, or equivalent, with grades of at least C, and PCB 4674 (recommended).

The basic biological characteristics of birds, which, as exceptionally unique flying vertebrates, are confronted with a spectrum of problems in terms of anatomy, physiology, behavior, migration and population ecology. (B)

Certificate Of Completion

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Source Envelope:	
Document Pages: 64	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
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Signer Events	Signature	Timestamp
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In Person Signer Events

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Agent Delivery Events

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Intermediary Delivery Events

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Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	<div style="border: 2px solid blue; padding: 5px; display: inline-block;">COPIED</div>	Sent: 5/6/2020 10:43:43 AM
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Electronic Record and Signature Disclosure:
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Envelope Summary Events

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Timestamps

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Completed	Security Checked	5/6/2020 1:51:16 PM

Payment Events

Status

Timestamps

Program:	<u>Surveying</u>	CIP:	<u>15.1102</u>
		Track:	<u>1</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVIEWED - NO CHANGE 2/25/09

LOWER LEVEL COURSES

	Cr. Hrs.
CHMX040	4
or — CHMX045/X045L	4
& — MACX311	3
& — MACX312	3
& — PHYX053/X053L	4
or — PHYX048/X048L	4

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<p>X <u>Angela Lindner</u></p> <p>First Name, Last Name</p> <p>Title:</p> <p>Email: alindner@aa.ufl.edu Phone: 352.846.1761</p>
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Geomatics	CIP Code: 15.1102	Track (if appropriate): 1
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
CHMX040	General Chemistry	3
MACX311	Calculus I	4
MACX312	Calculus II	4
PHYX053/L	General Physics I and Laboratory	4
Current Approved Common Prerequisite Credit Hours		15

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
MACX311	4	28	11	Existing prerequisite (GE Core)
PHYX053/L	4	28	11	Existing prerequisite (GE Core)
PHYX054/L	4	28	11	Needed for success in upper-level courses
SPCX608	3	28	11	Needed for success in upper-level courses
STAX023	3	28	11	Needed for success in upper-level courses (GE Core)
ECO013	3	28	9	Needed for success in upper-level courses (GE Core)
COPX800	3	20	1	Needed for success in upper-level courses

1/31/2019



Common Prerequisite Proposal

Deleting: CHMX040 and MACX212; neither course is needed for upper-level work.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Revised prerequisites are consistent with accreditation standards.

IV. Review of Completion within 60 semester hours.

A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX311	A COURSE FROM MAC _100 - _109 AND MAC _110 - 119,	6
PHYX053/L	COLLEGE ALGEBRA AND TRIGONOMETRY USUALLY REQUIRED	6
COPX800	COP 221 AND CGS 3XXX (INTERNET) OR PERMISSION	3
Number of College Level Prerequisites for Common Prerequisite Courses		9

B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 24	Minus Number of Proposed Common Prerequisite Credit Hours
- 9	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 13	Plus Number of Common Prerequisites in General Education Core
40	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: SurveyingGeomatics CIP: 15.1102
 Offered At: UF Track: 1
 Program Length: 120 Cr. Hrs.

REVIEWED - NO CHANGE 2/25/09

LOWER LEVEL COURSES

	Cr. Hrs.
CHMX040	4
Or CHMX045/X045L	4
& MACX311 or MACX114 & MACX233	4 3
& MACX312	3
& PHYX053/X053L	4
Or PHYX048/X048L	4
Or PHYX004/X004L	4

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FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

Additional prerequisites:

PHYX054/X054L or PHYX049/X049L or PHYX005/X005L 4

&

SPCX608 3

&

STAX023 3

&

ECO013 or ECO023 3

&

COPX800 3

Geomatics Geospatial Analysis Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Gen Ed Biological or Physical Sciences ¹		3-4
State Core Gen Ed Composition; Writing Requirement		3
Elective ²		3-4

Credits		15-18
Semester Two		
Select one:		3
COP 2800	Computer Programming Using JAVA (Critical Tracking)	
COP 2271 & 2271L	Computer Programming for Engineers and Computer Programming for Engineers Laboratory (Critical Tracking)	
COP 3275	Computer Programming Using C (Critical Tracking)	
COP 3229	Computer Programming Using C++ (Critical Tracking)	
Approved computer programming course (Critical Tracking)		
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics) ³	4
State Core Gen Ed Humanities		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		15
Semester Three		
PHY 2053 & 2053L	Physics 1 and Laboratory for Physics 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences) ³	5

STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
Gen Ed Composition; Writing Requirement		3
Elective ⁴		3-4
Credits		14-15
Semester Four		
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
PHY 2054 & 2054L	Physics 2 and Laboratory for Physics 2 (Critical Tracking ; Gen Ed Physical Sciences) ³	5
Select 6 credits:		6
Gen Ed Diversity and International		
Gen Ed Diversity or International and/or Social and Behavioral Sciences		
Elective		2
Credits		16
Semester Five		
Select one:		3

AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	
ENC 2210	Technical Writing (Writing Requirement)	
ENC 3254	Professional Writing in the Discipline (Writing Requirement)	
SUR 3103C	Geomatics ⁵	3
SUR 3323	Visualization of Spatial Information ⁵	3
GIS 3072C	Geographic Information Systems ⁵	3
SUR 3641	Survey Computations ⁵	3
	Credits	15
Semester Six		
AEB 3133 or MAN 3025	Principles of Agribusiness Management or Principles of Management	3-4
AEB 4123 or BUL 4310	Agricultural and Natural Resource Law or The Legal Environment of Business	3-4
SUR 3331C	Photogrammetry ⁵	3
SUR 4501C	Foundations of UAS Mapping ⁵	3
SUR 3520	Measurement Science ⁵	3
	Credits	15-17
Summer After Semester Six		

SUR 4949	Co-op Work Experience ⁶	1
SUR 4949	Co-op Work Experience ⁶	1
Credits		2
Semester Seven		
Select one:		2-3
FNR 3131C	Dendrology/Forest Plants	
FOR 4934	Topics in Natural Resources (Florida Forest Communities)	
SUR 4350C	Advanced Photogrammetry ⁵	3
SUR 4530	Geodesy and Geodetic Positioning ⁵	3
SUR 4911	Supervised Research in Geomatics	1
Select 6 approved credits:		6
Analysis electives		
Geomatics electives		
Geospatial Application electives		
Credits		15-16
Semester Eight		
SUR 4121	Geospatial Analysis ⁵	3

SUR 4380	Remote Sensing ⁵	3
SUR 4912	Senior Project ⁵	1
Select 3 approved credits:		3
Analysis electives		
Geomatics electives		
Geospatial application electives		
Natural resources elective		3
Credits		13
Total Credits		120

Plan of Study Grid

¹ FOR 3004 or SWS 3022 and SWS 3022L recommended.

² GEO 2200 or GLY 2010C recommended.

³ May be used as substitutes:

- MAC 1114 and MAC 2233 for MAC 2311
- PHY 2004 and PHY 2004L for PHY 2053 and PHY 2053L
- PHY 2005 and PHY 2005L for PHY 2054 and PHY 2054L

⁴ GEO 2200 or GLY 2010C recommended, if not already taken.

⁵ Minimum grade of C required.

⁶ Must take two sections of SUR 4949 concurrently.

Placement tests and/or prerequisites may be required to access certain courses.

Non-specified general education (GE) courses may be selected from any approved course in the subject area. Selection of courses must consider satisfaction of the writing requirement and international studies and diversity requirements.

Geomatics Surveying and Mapping Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Gen Ed Biological or Physical Sciences ¹		3-4
State Core Gen Ed Composition; Writing Requirement		3
Elective ²		3-4

Credits		15-18
Semester Two		
Select one:		3
COP 2800	Computer Programming Using JAVA (Critical Tracking)	
COP 2271 & 2271L	Computer Programming for Engineers and Computer Programming for Engineers Laboratory (Critical Tracking)	
COP 3275	Computer Programming Using C (Critical Tracking)	
COP 3229	Computer Programming Using C++ (Critical Tracking)	
Approved computer programming course (Critical Tracking)		
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics) ³	4
State Core Gen Ed Humanities		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		15
Semester Three		
PHY 2053 & 2053L	Physics 1 and Laboratory for Physics 1 (Critical Tracking ; State Core Gen Ed Biological Sciences and Physical Sciences) ³	5

STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
Gen Ed Composition; Writing Requirement		3
Elective ⁴		3-4
Credits		14-15
Semester Four		
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
PHY 2054 & 2054L	Physics 2 and Laboratory for Physics 2 (Critical Tracking ; Gen Ed Physical Sciences) ³	5
Select 6 credits:		6
Gen Ed Diversity and International		
Gen Ed Diversity or International and/or Social and Behavioral Sciences		
Elective		2
Credits		16
Semester Five		
Select one:		3

AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	
ENC 2210	Technical Writing (Writing Requirement)	
ENC 3254	Professional Writing in the Discipline (Writing Requirement)	
SUR 3103C	Geomatics ⁵	3
SUR 3323	Visualization of Spatial Information ⁵	3
GIS 3072C	Geographic Information Systems ⁵	3
SUR 3641	Survey Computations ⁵	3
Credits		15
Semester Six		
AEB 3133 or MAN 3025	Principles of Agribusiness Management or Principles of Management	3-4
AEB 4123 or BUL 4310	Agricultural and Natural Resource Law or The Legal Environment of Business	3-4
SUR 3331C	Photogrammetry ⁵	3
SUR 4501C	Foundations of UAS Mapping ⁵	3
SUR 3520	Measurement Science ⁵	3
Credits		15-17
Summer After Semester Six		

SUR 4949	Co-op Work Experience ⁶	1
SUR 4949	Co-op Work Experience ⁶	1
Credits		2
Semester Seven		
Select one:		2-3
FNR 3131C	Dendrology/Forest Plants	
FOR 4934	Topics in Natural Resources (Florida Forest Communities)	
SUR 4201	Route Geometrics and Design ⁵	3
SUR 4350C	Advanced Photogrammetry ⁵	3
SUR 4403	Cadastral Principles ⁵	3
SUR 4530	Geodesy and Geodetic Positioning ⁵	3
SUR 4911	Supervised Research in Geomatics	1
Credits		15-16
Semester Eight		
SUR 4380	Remote Sensing ⁵	3
SUR 4430	Surveying and Mapping Practice ⁵	3
SUR 4463	Subdivision Design ⁵	3

SUR 4912	Senior Project ⁵	1
Natural resources elective		3
Credits		13
Total Credits		120-127

Plan of Study Grid

¹ FOR 3004 or SWS 3022 and SWS 3022L recommended.

² GEO 2200 or GLY 2010C recommended.

³ May be used as substitutes:

- MAC 1114 and MAC 2233 for MAC 2311
- PHY 2004 and PHY 2004L for PHY 2053 and PHY 2053L
- PHY 2005 and PHY 2005L for PHY 2054 and PHY 2054L

⁴ GEO 2200 or GLY 2010C recommended, if not already taken.

⁵ Minimum grade of C required.

⁶ Must take two sections of SUR 4949 concurrently.

Placement tests and/or prerequisites may be required to access certain courses.

Non-specified general education (GE) courses may be selected from any approved course in the subject area. Selection of courses must consider satisfaction of the writing requirement and international studies and diversity requirements.

APPROVED ELECTIVES

Code	Title	Credits
Natural Resources Electives		
Select one:		3
AOM 4643	Environmental Hydrology: Principles and Issues	
FNR 4343C	Forest Water Resources	
FNR 4660	Natural Resource Policy and Economics	
GEO 3280	Principles of Geographic Hydrology	
SUR 4934	Topics in Geomatics (Marine Geomatics) ¹	
SWS 4244	Wetlands	
Analysis Electives		
Select at least one:		3-4
FNR 3410C	Natural Resource Sampling	
GEO 3162C	Introduction to Quantitative Analysis for Geographers	
QMB 3250	Statistics for Business Decisions	
STA 3024	Introduction to Statistics 2	
STA 3032	Engineering Statistics	
Geospatial Application Electives		

Code	Title	Credits
Select at least one:		1-4
AOM 4434	Precision Agriculture	
EES 4050	Environmental Planning and Design	
FNR 4461	Spatial Models and Decision Analysis	
GIS 3001C	Spatial Maps and Graphs	
GIS 3420C	GIS Models for Public Health	
GIS 4037	Digital Image Processing	
GIS 4113	Introduction to Spatial Networks	
SUR 4940C	Practicum in UAS Mapping ¹	3
SUR 4376	Geospatial Applications of UASs ¹	3
Geomatics Electives		
Select at most one:		3
SUR 4201	Route Geometrics and Design ¹	
SUR 4403	Cadastral Principles ¹	
SUR 4430	Surveying and Mapping Practice ¹	
SUR 4463	Subdivision Design ¹	

Code	Title	Credits
SUR 4934	Topics in Geomatics ¹	
Course List		
¹	Minimum grade of C required	

Certificate Of Completion

Envelope Id: 1FF5E6095EAD475E90C577FA0EA8FA7F	Status: Completed
Subject: Please DocuSign: 15.1102 Geomatics CPM Modifications.pdf	
Source Envelope:	
Document Pages: 20	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
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Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	Sent: 5/5/2020 2:31:25 PM Viewed: 5/5/2020 4:58:16 PM Signed: 5/5/2020 4:58:21 PM
Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	

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Status	Timestamp
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Status	Timestamp
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Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	Sent: 5/5/2020 2:31:25 PM

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Witness Events

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Notary Events

Signature	Timestamp
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Envelope Summary Events

Status	Timestamps
Envelope Sent	Hashed/Encrypted 5/5/2020 2:31:25 PM
Certified Delivered	Security Checked 5/5/2020 4:58:16 PM
Signing Complete	Security Checked 5/5/2020 4:58:21 PM
Completed	Security Checked 5/5/2020 4:58:21 PM

Payment Events

Status

Timestamps

Program: Human Resource Development**CIP:** 19.0707**Track:** 1**Offered At:** UF**Program Length:** 120 Cr. Hrs.

REVISED 10/28/2009

Technical revision 7/6/2018

Technical Revision 7/18/2018; 12/12/2018

LOWER LEVEL COURSES

	Cr. Hrs.
— Select from the following:	
&— BSCX005C	4
&— Take both courses:	
&— BSCX005/X005L	4
&— CHMX083	3
or— PHYX020	3
or— CHMX020	3
&— CHMX021	3
&— ECOX023	3
or— AEB3103	4
or— AEBX014	3
&— ENCX213	3
or— ENCX210	3
or— MMCX100	3
&— MACX114	5
&— MACX140	0
or— MACX105	3
or— MACX140	3
or— MACX114	3
or— MACX147	
&— PSYX013	3
&— SYGX000	3
&— STAX023	3
or— STAX122	3
or— STAXXXX ⁽¹⁾	3
&— SPCX608	3

(1) Any statistics course



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<p>X <i>Angela Lindner</i></p> <hr/> First Name, Last Name Title: Email: alindner@aa.ufl.edu Phone: 352.846.1761
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Family, Youth and Community Sciences (currently Human Resource Development)	CIP Code: 19.0707	Track (if appropriate): 1
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major): None		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX005/L	General Biology and Laboratory	4
CHMX083	Consumer Chemistry	3
ECOX023	Microeconomics	3
ENCX213	Technical and Business Writing	3
MACX114	Trigonometry	3
MACX140	Precalculus Algebra	3
PSYX013	General Psychology	3
SYGX000	Principles of Sociology	3
STAX023	Statistical Methods I	3
SPCX608	Public Speaking	3
Current Approved Common Prerequisite Credit Hours		31

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX005/L	4	28	11	Existing prerequisite (GE Core)

1/31/2019



Common Prerequisite Proposal

ECOX013	3	28	11	Alternative to ECOX023 existing prerequisite (GE Core)
PSYX012	3	28	11	Existing prerequisite (GE Core)
SYGX000	3	28	11	Existing prerequisite (GE Core)
STAX023	3	28	11	Existing prerequisite (GE Core)

Deleting: CHMX083, ENCX213, MACX114, MACX140, SPCX608. Physical Sciences and Math are completed as part of General Education. Courses in technical writing, and public speaking are required for the degree but not for admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not externally accredited. .

IV. Review of Completion within 60 semester hours.

- A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
Number of College Level Prerequisites for Common Prerequisite Courses		

- B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 16	Minus Number of Proposed Common Prerequisite Credit Hours
- 0	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 16	Plus Number of Common Prerequisites in General Education Core
60	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

1/31/2019



Common Prerequisite Proposal

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: Human Resource Development Family, Youth and Community Sciences CIP: 19.0707
 Offered At: UF Track: 1
 Program Length: 120 Cr. Hrs.

REVISED 10/28/2009
 Technical revision 7/6/2018
 Technical Revision 7/18/2018; 12/12/2018

The program name changed from Human Resource Development to Family, Youth and Community Sciences in the 2001-2002 academic year.

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LOWER LEVEL COURSES

	Cr. Hrs.
Select from the following:	
&- BSCX005/X005L or BSCX005C	4
& Take both courses:	
&- BSCX005/X005L	4
& CHMX083	3
or- PHYX020	3
or- CHMX020	3
&- CHMX021	3
& ECOX023/ECOX013	3
or- AEB3103/ECOX023	4
or- AEBX014	3
& ENCX213	3
or- ENCX210	3
or- MMCX100	3
& MACX114	5
&- MACX140	0
or- MACX105	3
or- MACX140	3
or- MACX114	3
or- MACX147	3
&- PSYX0123	3
&- SYGX000	3
& STAX023	3
or- STAX122	3
or- STAXXXX (1)	3
&- _SPCX608	3

(1) Any statistics course

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

Family, Youth, and Community Sciences

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
BSC 2005 & 2005L	Biological Sciences and Laboratory in Biological Sciences (Critical Tracking ; State Core Gen Ed Biological Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
State Core Gen Ed Composition; Writing Requirement		3
Elective		3
Credits		13
Semester Two		
Select one:		3-4
MAC 1147	Precalculus Algebra and Trigonometry (State Core Gen Ed Mathematics)	
MAC 1140	Precalculus Algebra (State Core Gen Ed Mathematics)	

MAC 1105	Basic College Algebra (State Core Gen Ed Mathematics)	
SYG 2000	Principles of Sociology (Critical Tracking ; State Core Gen Ed Social and Behavioral Sciences)	3
Electives		6
Gen Ed Physical Sciences		3
Credits		15-16
Semester Three		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Critical Tracking)	
ECO 2023	Principles of Microeconomics (Critical Tracking)	
ECO 2013	Principles of Macroeconomics (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	
AEC 3030C or SPC 2608	Effective Oral Communication or Introduction to Public Speaking	3
PSY 2012	General Psychology (Critical Tracking ; Gen Ed Social and Behavioral Sciences)	3
Gen Ed Composition		3
State Core Gen Ed Humanities		3
Credits		15-16

Semester Four		
Select one:		3
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	
ENC 2210	Technical Writing	
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
Gen Ed Biological or Physical Sciences		3
Electives		4
Credits		13
Semester Five		
FYC 3001	Principles of Family, Youth and Community Sciences (Gen Ed Social and Behavioral Sciences)	3
Select one:		3
FYC 3101	Parenting and Family Development	
SYG 2430	Marriage and Family (Gen Ed Social and Behavioral Sciences and Diversity)	
FYC 3201	Foundations of Youth Development	3
FYC 4622	Planning and Evaluating Family, Youth and Community Science Programs	3
Minor or Specialization		3

Credits		15
Semester Six		
FYC 3401	Introduction to Social and Economic Perspectives on the Community	3
FYC 3112 or FYC 4212	Contemporary Family Problems and Interventions or Contemporary Youth Problems and Solutions	3
FYC 4801	Applied Social Research Methods	4
FYC course		3
Credits		13
Summer After Semester Six		
FYC course		3
Minor or Specialization		3
Credits		6
Semester Seven		
Select one:		3
FYC 3112	Contemporary Family Problems and Interventions	
FYC 4212	Contemporary Youth Problems and Solutions	
FYC 4126	Urban and Rural America in Transition	
FYC 4931	Family, Youth, and Community Sciences Professional Development	3

FYC course	3
Specialization elective (3000/4000 level)	3
Minor or Specialization	3
Credits	15
Semester Eight	
FYC 4941 Practicum in Family, Youth and Community Sciences	3
FYC course	3
Specialization elective	3
Minor or Specialization	6
Credits	15
Total Credits	120
Plan of Study Grid	

Specialization electives must be at the 3000/4000 level and students must attain minimum grades of C.

Certificate Of Completion

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Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

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Signer Events

Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	Sent: 5/6/2020 10:44:28 AM Viewed: 5/6/2020 1:50:56 PM Signed: 5/6/2020 1:51:03 PM
Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	

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Editor Delivery Events

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Agent Delivery Events

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Intermediary Delivery Events

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Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	Sent: 5/6/2020 10:44:28 AM

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Witness Events

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Notary Events

Signature	Timestamp
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Envelope Summary Events

Status	Timestamps
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Signing Complete	5/6/2020 1:51:03 PM
Completed	5/6/2020 1:51:03 PM

Payment Events

Status

Timestamps

Program: EntomologyCIP: 26.0702Track: 1Offered At: UFProgram Length: 120 Cr. Hrs.

REVISED 5/27/09

Technical change 9/27/2018

Revised 11/26/2018; 12/12/2018

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010C	4
or- BSCX040C	4
&- _____ BSCX011/X011L	4
or- BSCX011C	4
or- BSCX041C	4
&- _____ CHMX045/X045L	4
or- CHMX045C	4
or- _____ CHMX040	
&- CHMX041	
&- _____ CHMX046/X046L	4
or- CHMX046C	4
&- _____ MACX147	3
or- _____ MACX114	3
&- MACX140	3
&- _____ MACX311	4
or- MACX233	4
or- MACX253	4
or- MACX281	4
or- MACX241	4
&- Select from the following: ⁽³⁾	
or- PHYX053C ⁽³⁾	4
or- Take both courses:	
&- PHYX053/X053L	
or- Take both courses:	
&- PHYX004/X004L	
&- STAX023	3

(Please see notes in the following page)

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FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

- (1) CHMX046/X046L is required for the Biological Science of Insects and Preprofessional specializations but not Urban Pest Management.
- (2) MACX311 is required for the Preprofessional specializations; MACX233 is required for the Biological Science of Insects specialization; and MACX142 or MACX114 or MACX140 is required for the Urban Pest Management specialization.
- (3) PHYX053/X053L is required for Preprofessionalization; PHYX004/X004L is required for the Biological Science of Insects and Urban Pest Management specializations.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: 2em; margin: 0;">X</p> <p style="font-family: cursive; margin: 0;">Angela Lindner</p> <hr style="border: 0.5px solid black;"/> <p style="margin: 0;">First Name, Last Name</p> <p style="margin: 0;">Title:</p> <p style="margin: 0;">Email: alindner@aa.ufl.edu</p> <p style="margin: 0;">Phone: 352.846.1761</p> </div>
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Entomology	CIP Code: 26.0702	Track (if appropriate):
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
BSCX011/L	General Biology II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX046/L	General Chemistry II and Laboratory	4
MACX147	Precalculus Algebra/Trigonometry	4
MACX311	Calculus I	4
PHYX053/L	General Physics I and Laboratory	4
STAX023	Statistical Methods	3
Current Approved Common Prerequisite Credit Hours		31

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite as alternative to (GE Core)
BSCX011/L	4	28	10	Existing prerequisite
CHMX045/L	4	28	11	Existing prerequisite (GE Core)

1/31/2019



Common Prerequisite Proposal

CHMX046/L	4	28	11	Existing prerequisite
MACX147 or MACX311	3-4	28	11	Existing prerequisite (GE Core)
PHYX053/L or PHYX004/L or PHYX020/L	4	28	11	Existing prerequisite (GE Core)

Deleting: STAX023: while this course is required for the degree, it is not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited

IV. Review of Completion within 60 semester hours.

- A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX147	MAC 1105 AND HIGH SCHOOL TRIGONOMETRY, OR SUITABLE PLACEMENT SCORE	3
MACX311	A COURSE FROM MAC _100 - _109 AND MAC _110 - 119,	6
PHYX053	COLLEGE ALGEBRA AND TRIGONOMETRY USUALLY REQUIRED	6
Number of College Level Prerequisites for Common Prerequisite Courses		6

- B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 24	Minus Number of Proposed Common Prerequisite Credit Hours
- 6	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 12	Plus Number of Common Prerequisites in General Education Core
42	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

1/31/2019



Common Prerequisite Proposal

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: EntomologyCIP: 26.0702Track: 1Offered At: UFProgram Length: 120 Cr. Hrs.

REVISED 5/27/09

Technical change 9/27/2018

Revised 11/26/2018; 12/12/2018

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010C	4
or- BSCX040C	4
&_____ BSCX011/X011L	4
or- BSCX011C	4
or- BSCX041C	
&_____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&_____ CHMX046/X046L ⁽¹⁾	4
or- CHMX046C	4
&_____ MACX147 ⁽²⁾	3
or- MACX114	3
&- MACX140	3
&_____ MACX311 ⁽²⁾	4
or- MACX233	4
or- MACX253	4
or- MACX281	4
or- MACX241	4
&- Select from the following: ⁽³⁾	
or- PHYX053C ⁽³⁾	4
or- Take both courses:	
&- PHYX053/X053L	
or- Take both courses:	
&- PHYX004/X004L	
&- <u>or</u>	
<u>PHYX020/X020L</u>	
<u>STAX023</u>	<u>3</u>

(Please see notes in the following page)

(Continues from previous page)

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

-
- (1) CHMX046/X046L is required for the Biological Science of Insects and Preprofessional specializations but not Urban Pest Management.
 - (2) MACX147 or MACX114 and MACX140 is required for the Urban Pest Management specialization; MACX311 is required for the Preprofessional specialization; MACX147~~233~~ or MACX311 is required for the Biological Science of Insects specialization; and MACX142 or MACX114 or MACX140 is required for the Urban Pest Management specialization.
 - (3) PHYX053/X053L is required for Preprofessional specialization; PHYX004/X004L or PHYX020/X020L is required for the Urban Pest Management specialization.

Entomology and Nematology Biological Science of Insects Specialization

All entomology majors in this specialization must take three credits of ENY 4905 or ENY 4911. See advisor for details. To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	
BOT 2010C	Introductory Botany (Critical Tracking ; State Core Gen Ed Biological Sciences)	
Select one: State Core Gen Ed Composition; Writing Requirement		3
ENC 1101	Expository and Argumentative Writing	
ENC 2210	Technical Writing	
ENC 3254	Professional Writing in the Discipline	
MAC 1147 or MAC 2311	Precalculus Algebra and Trigonometry or Analytic Geometry and Calculus 1	4
State Core Gen Ed Humanities		3

Credits		13-14
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You	
AEB 3103	Principles of Food and Resource Economics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics	
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
Gen Ed Social and Behavioral Sciences		3
Credits		16-17
Semester Three		
AEC 3030C	Effective Oral Communication	3
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory (Gen Ed Biological and Physical Sciences) ¹	3

CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
Gen Ed Composition		3
Gen Ed International		3
Credits		16
Semester Four		
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
ENY 4161	Insect Classification ¹	3
Select one: Gen Ed Physical Sciences		3-4
PHY 2004 & 2004L	Applied Physics 1 and Laboratory for Applied Physics 1	
PHY 2020	Introduction to Principles of Physics	
Ecology elective		3-4
Credits		13-15
Semester Five		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Critical Tracking)	3
ENY 4660 & 4660L	Medical and Veterinary Entomology and Medical and Veterinary Entomology Laboratory ¹	3

IPM 3022 or PMA 4570C	Fundamentals of Pest Management or Field Techniques in IPM	3
Select one:		3
ALS 4161	Exotic Species and Biosecurity Issues	
ALS 4162	Consequences of Biological Invasions	
PCB 2441	Biological Invaders	
Select one: Gen Ed Biological		4
MCB 3020 & 3020L	Basic Biology of Microorganisms and Laboratory for Basic Biology of Microorganisms	
MCB 2000 & 2000L	Microbiology and Microbiology Laboratory	
Credits		16
Semester Six		
Select one:		3-4
AGR 3303	Genetics	
PCB 3063	Genetics	
PCB 4674	Evolution	
Select one:		3
ENY 4455C	Social Insects	

ENY 4573	Beekeeping	
ENY 4210	Insects and Wildlife	
Select one:		3
ALS 4163	Challenges in Plant Resource Protection	
ENY 3225C	Principles of Urban Pest Management	
ENY 3510C	Turf and Ornamental Entomology	
Gen Ed Diversity		3
Gen Ed Social and Behavioral Sciences		3
Credits		15-16
Semester Seven		
Select one:		3
ENY 4905	Problems in Entomology	
ENY 4911	Supervised Research in Entomology	
Select one:		3
PLP 3002C	Fundamentals of Plant Pathology	
PLS 3004C	Principles of Plant Science	
PLS 4601C	Principles of Weed Science	

Approved electives ²	6
Entomology elective	3
Credits	15
Semester Eight	
Select one:	3
ENY 4905 Problems in Entomology	
ENY 4911 Supervised Research in Entomology	
NEM 3002 Principles of Nematology	3
Entomology elective	4
Approved electives ²	6
Credits	16
Total Credits	120
Plan of Study Grid	

¹ Must be taken on campus.

² Pre-vet majors need appropriate animal science requirements as electives.

ECOLOGY ELECTIVES

Code	Title	Credits
ALS 3153	Agricultural Ecology	3
ENY 4202	Ecology of Vector-Borne Disease	2
ENY 4453	Behavioral Ecology and Systematics	3
PCB 4043C	General Ecology	4
WIS 3401	Wildlife Ecology and Management	3
Course List		

Entomology and Nematology Preprofessional Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Physical Sciences)	4
Select one:		3
ENC 1101	Expository and Argumentative Writing	
ENC 2210	Technical Writing	
ENC 3254	Professional Writing in the Discipline (State Core Gen Ed Composition; Writing Requirement)	
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	4
	Credits	14

Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You	
ECO 2023	Principles of Microeconomics	
AEB 3103	Principles of Food and Resource Economics (Gen Ed Social and Behavioral Sciences)	
AEC 3030C	Effective Oral Communication	3
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; State Core Gen Ed Physical Sciences)	4
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
State Core Gen Ed Humanities		3
Credits		16-17
Semester Three		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences	3
Select one:		3-4
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking)	
BOT 2010C	Introductory Botany (Critical Tracking ; Gen Ed Biological Sciences)	

CHM 2210 or CHM 3217	Organic Chemistry 1 or Organic Chemistry/Biochemistry 1	3-4
Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Social and Behavioral Sciences		3
Credits		15-17
Semester Four		
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2211 or CHM 3218	Organic Chemistry 2 or Organic Chemistry/Biochemistry 2	3-4
CHM 2211L	Organic Chemistry Laboratory	2
Elective		2
Elective (Gen Ed International or Diversity)		3
Credits		14-15
Semester Five		
AGR 3303	Genetics	3
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory (Gen Ed Biological Sciences; must be taken on campus)	3

PHY 2053 & 2053L	Physics 1 and Laboratory for Physics 1	5
Approved electives		4
Credits		15
Semester Six		
Select one:		3-4
ENY 4455C	Social Insects	
ENY 4573	Beekeeping	
ZOO 4205C	Invertebrate Biodiversity	
MCB 3020 & 3020L	Basic Biology of Microorganisms and Laboratory for Basic Biology of Microorganisms	4
PHY 2054 & 2054L	Physics 2 and Laboratory for Physics 2	5
Approved elective		3
Credits		15-16
Semester Seven		
Select one:		4
BCH 3025	Fundamentals of Biochemistry	
BCH 4024	Introduction to Biochemistry and Molecular Biology ¹	

ENY 4161	Insect Classification (Gen Ed Biological Sciences; must be taken on campus)	3
ENY 4660 & 4660L	Medical and Veterinary Entomology and Medical and Veterinary Entomology Laboratory (must be taken on campus)	3
Approved electives		6
Credits		16
Semester Eight		
Select one:		3-4
ENY 4453	Behavioral Ecology and Systematics	
PCB 4043C	General Ecology	
ALS 3153	Agricultural Ecology	
ZOO 4307C	Vertebrate Biodiversity	4
Approved electives		8
Credits		15-16
Total Credits		120
Plan of Study Grid		

¹ Not required if CHM 3217/CHM 3218 was taken.

Entomology and Nematology Urban Pest Management Specialization

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	
BOT 2010C	Introductory Botany (Critical Tracking)	
Select one:		3
ENC 1101	Expository and Argumentative Writing	
ENC 2210	Technical Writing	
ENC 3254	Professional Writing in the Discipline (State Core Gen Ed Composition; Writing Requirement)	
IDS 1161	What is the Good Life (Gen Ed Humanities)	3

MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
Elective		1
Credits		14-15
Semester Two		
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 1025	Introduction to Chemistry (if needed; or select an elective)	2
Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Social and Behavioral Sciences		3
Credits		12
Semester Three		
AEC 3030C	Effective Oral Communication	3
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Physical Sciences)	4
State Core Gen Ed Humanities		3
Gen Ed Mathematics		3
Credits		13

Semester Four		
Select one:		3-4
AEB 2014	Economic Issues, Food and You	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences	3
Select one:		3
ALS 3203	PC Use in Agriculture (not Gen Ed Mathematics)	
COP 3504	Advanced Programming Fundamentals for CIS Majors (Gen Ed Mathematics)	
Select one:		3
PHY 2004	Applied Physics 1 (Critical Tracking)	
PHY 2020	Introduction to Principles of Physics (Critical Tracking ; Gen Ed Physical Sciences)	
PHY 2004L	Laboratory for Applied Physics 1 (or select an elective) ¹	1
	Credits	13-14
Summer After Semester Four		
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory (Gen Ed Biological Sciences; must be taken on campus)	3
ENY 3222C	Biology and Identification of Urban Pests	3

Approved Business elective		3
Credits		9
Semester Five		
ENY 4161	Insect Classification (must be taken on campus)	3
Select one:		4
MCB 2000 & 2000L	Microbiology and Microbiology Laboratory	
PLP 3002C	Fundamentals of Plant Pathology	
ORH 3513C	Environmental Plant Identification and Use	3
STA 2023	Introduction to Statistics 1	3
Credits		13
Semester Six		
BCN 1210	Construction Materials	3
Select one:		3-5
FOS 4222 & 4222L	Food Microbiology and Food Microbiology Laboratory	
SWS 3022	Introduction to Soils in the Environment	
IPM 3022	Fundamentals of Pest Management	3

Elective (Gen Ed International or Diversity)	3
Credits	12-14
Summer After Semester Six	
ENY 3225C Principles of Urban Pest Management	3
ENY 4230 Urban Pesticide Application	3
Approved Business elective	3
Credits	9
Semester Seven	
ENY 4660 & 4660L Medical and Veterinary Entomology and Medical and Veterinary Entomology Laboratory (must be taken on campus)	3
NEM 3002 Principles of Nematology	3
PLS 4601C Principles of Weed Science	3
Approved Business elective	3
Credits	12
Semester Eight	
BCN 3223C Soils and Concrete	3
EVS 3000 Environmental Science	3
ENY 4453 Behavioral Ecology and Systematics	3

Approved Business elective	4
Credits	13
Total Credits	120
Plan of Study Grid	

¹ Select an elective if PHY 2020 was taken.

APPROVED ELECTIVES

Business Electives | 13 Credits Minimum

Code	Title	Credits
AEB 3122	Financial Planning for Agribusiness	3
AEB 3133	Principles of Agribusiness Management	3
AEB 3144	Introduction to Agricultural Finance	3
AEB 4085	Agricultural Risk Management and the Law	3
AEB 4123	Agricultural and Natural Resource Law	3
AEB 4424	Human Resources Management in Agribusiness	3
BUL 4310	The Legal Environment of Business	4

Code	Title	Credits
MAN 3025	Principles of Management	4
MAR 3023	Principles of Marketing	4
PUR 3000	Principles of Public Relations	3
Course List		

Other Electives

Code	Title	Credits
FOS 4202	Food Safety and Sanitation	2
ORH 3222C	Turfgrass Culture	4
ORH 4236C	Ornamental Landscape Management	3
PLP 3103C	Control of Plant Diseases	3
Course List		

Certificate Of Completion

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Subject: Please DocuSign: 26.0702 Entomology CPM Modifications.pdf	
Source Envelope:	
Document Pages: 26	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/5/2020 2:32:31 PM	k.bagley@ufl.edu	

Signer Events

Signer Events	Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/5/2020 2:33:01 PM Viewed: 5/5/2020 4:57:46 PM Signed: 5/5/2020 4:57:53 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

In Person Signer Events	Signature	Timestamp

Editor Delivery Events

Editor Delivery Events	Status	Timestamp

Agent Delivery Events

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events

Certified Delivery Events	Status	Timestamp

Carbon Copy Events

Carbon Copy Events	Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	<div style="border: 2px solid blue; padding: 5px; display: inline-block;">COPIED</div>	Sent: 5/5/2020 2:33:02 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Witness Events	Signature	Timestamp

Notary Events

Notary Events	Signature	Timestamp

Envelope Summary Events

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/5/2020 2:33:02 PM
Certified Delivered	Security Checked	5/5/2020 4:57:47 PM
Signing Complete	Security Checked	5/5/2020 4:57:53 PM
Completed	Security Checked	5/5/2020 4:57:53 PM

Payment Events

Status

Timestamps

Program:	<u>Food Science & Technology</u>	CIP:	<u>01.1001</u>
	<u>Nutritional Sciences</u>	Track:	<u>2/2</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 2/25/09

Technical revision 7/5/2018

Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
& _____ BSCX011/X011L	4
or- BSCX011C	4
or- BOTX011/X011L	4
or- BOTX011C	4
& _____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& _____ CHMX046/X046L	4
or- CHMX046C	4
& _____ ECOX023	3
or- ECOX013	3
& _____ STAX023	3
or- STAX014	3
or- STAX122	3
&- MACX311 ⁽¹⁾	4

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

 Students MUST achieve a 2.5 GPA or better in all of the above science and math courses.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges:	<p>X <u>Angela Lindner</u></p> <p>First Name, Last Name</p> <p>Title:</p> <p>Email: alindner@aa.ufl.edu Phone: 352.846.1761</p>
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Nutritional Sciences	CIP Code: 30.1901	Track (if appropriate): Track 1
Does this proposal align with a current track?	Yes: Nutritional Sciences (track 2 in 01.1001)	No:
Is this program approved for limited access?	Yes: X	
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
BSCX011/L	General Biology II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX0456/L	General Chemistry II and Laboratory	4
ECOX023	Microeconomics	3
STAX023	Statistical Methods	3
MACX311	Analytic Geometry & Calculus I	4
Current Approved Common Prerequisite Credit Hours		26

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite (GE Core)
BSCX011/L	4	28	11	Existing prerequisite

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Common Prerequisite Proposal

CHMX045/L	4	28	11	Existing prerequisite (GE Core)
CHMX046/L	4	28	11	Existing prerequisite
MACX311	4	28	11	Existing prerequisite (GE Core)

Deleting ECOX023 and STAX023 as prerequisites. While a course in economics and statistics are required for the degree, these are not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited.

IV. Review of Completion within 60 semester hours.

A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX311	A COURSE FROM MAC _100 - _109 AND MAC _110 - 119,	6
Number of College Level Prerequisites for Common Prerequisite Courses		6

B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 20	Minus Number of Proposed Common Prerequisite Credit Hours
- 6	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 9	Plus Number of Common Prerequisites in General Education Core
43	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

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Common Prerequisite Proposal

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: ~~Food Science & Technology~~Nutritional Sciences **CIP:** 01.100130.1901
Nutritional Sciences **Track:** 2/21
Offered At: UF* **Program Length:** 120 Cr. Hrs.

REVISED 2/25/09
 Technical revision 7/5/2018
 Technical 12/11/2018

This track, Nutritional Sciences, was approved as a new degree program in CIP 30.1901 in 2014.

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
& _____ BSCX011/X011L	4
or- BSCX011C	4
or- BOTX011/X011L	4
or- BOTX011C	4
& _____ CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& _____ CHMX046/X046L	4
or- CHMX046C	4
& _____ ECO023	3
or- ECO013	3
& _____ STAX023	3
or- STAX014	3
or- STAX122	3
&- MACX311-(#)	4

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

 Students MUST achieve a 2.5 GPA or better in all of the above science and math courses.

* Limited Access.

**Minutes of the Meeting of the University Curriculum Committee
January 21, 2014**

Bernard Mair convened the UCC at 1:30 in 226 Tigert Hall.

Members Present: Margaret Carr, Stephanie Hanson, Christopher Janelle, Gillian Lord, John Mecholsky, David Pharies, Alison Reynolds, Jana Ronan, Mark Rush, Edward Schaefer, Elaine Turner, Hans van Oostrom, Michael Weigold, Patricia Xirau-Probert

Liaisons: Timothy Brophy, David Julian

Guests: Sharon Bradley, Rajeeb Das, Ann Greene, Jamie Kraft, Toby Shorey, Ricky Telg, M. Dee Williams

1. Approval of minutes of December 17, 2013 meeting
 - Approved with correction to ECO2013 in item 7
2. Update from Faculty Senate
 - none
3. Undergraduate and Professional Certificate Policy. Dr. Mair presented this updated certificate policy. The committee discussed the ramifications of item 8 and 9. Dr. Mair will bring this policy back to the UCC once revised.
4. Proposed changes to the CALS Applied Biology track, effective Summer B 2014. Dr. Turner presented this request to allow for more free electives within the track. The proposal was approved.
5. Proposed changes to the Interdisciplinary Studies – Environmental Management in Agriculture and Natural Resources major, effective Summer B 2014. Dr. Turner presented this request. The purpose of the change is to make the program available to UF Online students. The proposal was approved.
6. Proposed changes to the Soil and Water Science major, effective Summer B 2014. Dr. Turner presented this request. The proposal was approved.
7. Proposed new B.S. degree in Nutritional Sciences, effective Summer B 2014. Dr. Turner presented this and item 8 and 9 as one request to split one major with three tracks into three distinct majors. This change is the result of SACS accreditation evaluation. The proposal was approved.
8. Proposed new B.S. degree in Dietetics, effective Summer B 2014. Dr. Turner presented this and item 8 and 9 as one request to split one major with three tracks into three distinct majors. This change is the result of SACS accreditation evaluation. The proposal was approved.

9. Proposed name change of Food Science and Human Nutrition, effective Summer B 2014. Dr. Turner presented this and item 8 and 9 as one request to split one major with three tracks into three distinct majors. This change is the result of SACS accreditation evaluation. The proposal was approved.

10. Proposed new minor in Fine Arts, effective Fall 2014. Dr. Schaefer presented this request. The proposal was recycled pending adding a minimum grade of C to all courses and also requiring faculty review and approval of applications from students to be admitted to the minor.

11. Items from the Academic Assessment Committee (information only)

- Undergraduate ALC
 - Special Education
 - Elementary Education

12. Items from the Graduate School (information only)

- Proposal to terminate the M.S. and Ph.D. in Botany
- Proposed changes to the Master of Accounting program
- Proposal for an M.S. in Entrepreneurship
- Proposal for an M.S. in Information Systems and Operations Management
- Proposal for an M.A. in International Business
- Proposal for changes to the M.A. in Latin American Studies
- Proposal for a new concentration in Veterinary Forensic Sciences

13. Notice of new graduate certificates (information only)

- Addiction and Recovery

14. Notice of proposed changes to graduate certificates (information only)

- Women in Agricultural Development
- Teaching and Learning in Agricultural & Life Sciences

15. Notice of new undergraduate certificates

- Holocaust Studies – approved

16. Notice of new professional certificate certificates

- One Health for DVM Students – approved

17. Notice of proposed changes to professional certificate

- Post-Master's Adult-Gerontology Acute Care Nurse Practitioner – approved

18. Notice of proposed new undergraduate courses

Liberal Arts and Sciences

- AFA4XXX – African American Politics and Policy – denied
- IDS4XXX – Innovation Academy Senior Project – denied
- SPN3XXX – Spanish Conversation, Film and Culture – approved
- SPN4XXX – Spanish Bilingualism – approved
- WOH3XXX – Africans in World History – approved
- WOH4XXX – Modern Masculinities in Global Perspective – approved

Agricultural and Life Science

- XXX4911 – Supervised Research CALS – approved

Journalism

- MMC1XXX – Introduction to Media and Communications – recycled
- MMC2XXX – Basic Numeracy – denied
- MMC2XXX – Sight, Sound and Motion – recycled
- MMC3XXX – Consumer and Audience Analytics – recycled
- MMC3XXX – Creativity, Innovation and Collaboration in Communications – recycled
- MMC3XXX – Ethics and Problems in Mass Communications – recycled
- MMC3XXX – Media Entrepreneurship – approved
- MMC3XXX – Personal Branding for Communicators – recycled

Business

- ENT4XXX – The Venture Accelerator – recycled

Design, Construction and Planning

- URP4XXX – Sustainable Urbanism in Europe – approved

Fine Arts

- ART2XXXC – Drawing Studio – recycled

19. Notice of proposed changes to undergraduate courses

Liberal Arts and Sciences

- SPN3414 – Advanced Spanish Conversation 2 – approved

Engineering

- CES4141 – Stress Analysis – approved
- CIS4930 – Special Topics in CISE – approved
- EMA3066 – Introduction to Organic Materials – approved
- EMA3080C – Materials Laboratory 1 – approved
- EMA4161 – Physical Properties of Polymers – approved

Journalism

- ADV3203 – Introduction to Advertising Design and Graphics – approved
- ADV4101 – Copywriting and Visualization – recycled
- ADV4300 – Media Planning – recycled
- JOU2005 – Writing Mechanics - withdrawn
- PUR4800 – Public Relations Campaigns – recycled
- RTV2100 – Writing for Electronic Media – recycled
- RTV3101 – Advanced Writing for Electronic Media – recycled
- RTV3200 – Fundamentals of Production – recycled
- RTV3303 – Electronic News Writing and Reporting 1 – recycled

- RTV3304 – Advanced Radio Reporting – approved
 - RTV4283 – Advanced Reporting for Interactive Media – approved
 - RTV4301 – Electronic News and Reporting 2 – approved
 - RTV4302 – Advanced TV Reporting – approved
 - RTV4340 – Special News Projects – approved
 - RTV480 – Telecommunication Planning and Operations – recycled
- Agricultural and Life Science**
- SWS4307 – Ecology of Waterborne Pathogens – approved
 - XXX4909 – Honors Project CALS – approved

20. Notice of proposed new professional courses

- none

21. Notice of proposed changes to professional courses

Medicine

- PAS5550 – Obstetrics and Gynecology – recycled
- PAS5701L – Intensive Care Medicine – recycled

Nursing

- NGR6307 – Advanced Child Health Nursing III – approved
- NGR6307L – Advanced Child Health Nursing Clinical III – approved

22. Notice of proposed new joint courses

Agricultural and Life Science

- GIS4XXX – Geospatial Analysis – approved

23. Notice of proposed changes to joint courses

Agricultural and Life Sciences

- SUR5625 – Geographic Information Systems Analysis – approved

24. Notice of proposed new 5000 level courses

Liberal Arts and Sciences

- ANG5XXX – Methods in Ethnoecology – approved

Medicine

- GMS5XXX – Medical Human Embryology – tabled
- GMS5XXX – Medical Human Anatomy by Diagnostic Imaging – tabled

Education

- SCE5XXX – Diversity and Equity in Science Teaching – recycled

25. Notice of proposed changes to 5000 level courses

Fine Arts

- DIG5555C – Projection Design 1 – approved

Business

- ACG5226 – Mergers, Acquisitions & Consolidations – approved
- ACG5505 – Financial Rep. for Govt. & Not-for-Profit Organizations – approved
- ACG5815 – Accounting Institutions and Professional Literature – approved

- TAX5065 – Tax Professional Research – approved

26. Notice of proposed new graduate courses (information only)

- AEC6XXX – Teacher Education in Agriculture
- GMS6XXX – Clinical Neuroscience of Aging
- GMS6XXX – Foundations in Aging and Geriatric Research
- GMS6XXX – Fundamentals of Biological Aging
- GMS6XXX – Geriatric and Age Related Diseases
- GMS6XXX – Introduction to Medical Bioethics
- GMS6XXX – Introduction to Medicine and the Law
- GMS6XXX – Law and Ethics of Aging
- GMS6XXX – Lifestyle Interventions in Aging I: Behavioral Aspects and Clinical Outcomes
- GMS6XXX – Lifestyle Interventions in Aging II: Physiologic Aspects
- GMS6XXX – Population Based Research on Aging
- GMS6XXX – Theories of Aging
- NGR7710 – Nurse Scientist and Scholar II
- PHC7XXX – Seminar in Instrument Development for Public Health
- VME6056 – Animal Law

27. Notice of proposed changes to graduate courses (information only)

- ACG6136 – Accounting Concepts and Financial Planning
- ACG6207 – Accounting Issues in Financial Risk Management
- ACG6255 – International Accounting Issues
- ACG6387 – Strategic Costing
- ACG6657 – Auditing and Corporate Governance
- ACG6695 – Computer Assurance and Control
- ACG6888 – Foundations of Measurement
- ART6849C – Installation using digital processes
- EEX6233 – Assessment, Curriculum and Instruction for Student with Mild Disabilities
- GMS6223 – Drosophila Neurogenetics: from Development to Function
- SPN6845 – History of the Spanish Language
- SUR6626 – GIS Programming and Customization
- TAX6015 – Taxation of Business Entities I
- TAX6016 – Taxation of Business Entities II
- TAX6017 – Taxation of Business Entities III
- TAX6526 – Advanced International Taxation
- TAX6877 – Multijurisdictional Taxation

Meeting adjourned at 2:57.

Cover Sheet: Request 9044**Nutritional Sciences****Info**

Process	Undergraduate Degree Programs
Status	Approved
Submitter	Anne Casella kendall@ufl.edu
Created	12/24/2013 11:18:21 AM
Updated	12/3/2014 11:17:12 AM
Description of request	CIP 30.1901 The FSHN Department is proposing to elevate an existing specialization to major status.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Food Science and Human Nutrition 514915000	Susan Percival		12/24/2013
NUT New Degree Proposal final.doc					12/24/2013
College	Approved	CALS - College of Agricultural and Life Sciences	R Turner	Approved by CALS Curriculum Committee	12/29/2013
NUT degree proposal worksheets final.pdf					12/27/2013
UCC_memo_FSHNmajorchanges.doc					12/29/2013
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Sarah Barker	This request will be on the January 2014 UCC agenda.	1/6/2014
No document changes					
University Curriculum Committee	Approved	PV - University Curriculum Committee (UCC)	Sarah Barker		1/24/2014
No document changes					
Faculty Senate Steering Committee	Approved	FAC - Faculty Senate Steering Committee	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Information Item	Approved	FAC - Faculty Senate	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Action Item	Approved	FAC - Faculty Senate	Susan Alvers		3/21/2014
No document changes					
Office of the Provost	Approved	PV - Office of the Provost	Cheryl May	Will present to the Board of Trustees at the March 27, 2014 meeting.	3/21/2014
No document changes					
Board of Trustees	Approved	Board of Trustees	Cheryl May	Approved at the March 28, 2014 BOT meeting.	3/31/2014
No document changes					
Board of Governors	Commented	Board of Governors	Cheryl May	Forwarded to BOG for review and approval	4/9/2014

Step	Status	Group	User	Comment	Updated
No document changes					
Board of Governors	Recycled	Board of Governors	Cheryl May	The Board of Governors requires a Limited Access Program Request be completed and approved by the Board of Trustees (BOT). Next BOT meeting is scheduled for 9/5/14.	8/19/2014
No document changes					
Board of Trustees	Approved	Board of Trustees	Cheryl May	Approved by the Board of Trustees on 9/5/14.	9/8/2014
No document changes					
Board of Governors	Approved	Board of Governors	Cheryl May	Approved at the November 6, 2014 BOG meeting.	12/2/2014
No document changes					
Office of the Registrar	Approved	REG - Office of the Registrar (OUR)	Mallori Wojcik	Added bachelor level to existing NUT major code.	12/3/2014
No document changes					
Office of Institutional Planning and Research	Approved	PV - Office of Institutional Planning and Research	Marie Zeglen		12/3/2014
No document changes					

Nutritional Sciences

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Humanities		3
Elective		1
Credits		15
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	

AEB 3103	Principles of Food and Resource Economics (Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
Electives		4
	Credits	14-15
Semester Three		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2210	Organic Chemistry 1 (minimum grade of C required within two attempts, including withdrawals)	3
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
Gen Ed Composition		3
State Core Gen Ed Social and Behavioral Sciences		3
	Credits	16

Semester Four		
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
HUN 2201	Fundamentals of Human Nutrition	3
Elective		3
Credits		15
Semester Five		
AEC 3030C	Effective Oral Communication	3
BCH 3025 or BCH 4024	Fundamentals of Biochemistry or Introduction to Biochemistry and Molecular Biology	4
FOS 3042	Introductory Food Science	3
PHY 2053 & 2053L	Physics 1 and Laboratory for Physics 1	5
Credits		15
Semester Six		
HUN 3403	Nutrition through the Life Cycle	2
Select one:		3-4

PCB 3063	Genetics	
AGR 3303	Genetics	
MCB 4304	Genetics of Microorganisms	
PCB 4522	Molecular Genetics	
PHY 2054 & 2054L	Physics 2 and Laboratory for Physics 2	5
Electives		5
	Credits	15-16
Semester Seven		
HUN 4445	Nutrition and Disease: Part 1	2
PCB 4723C or APK 2105C	Physiology and Molecular Biology of Animals or Applied Human Physiology with Laboratory	4-5
Approved science course		3-4
Approved science laboratory		1-2
Select 4 elective credits		4
	Credits	14-17
Semester Eight		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3

HUN 4221	Nutrition and Metabolism	3
HUN 4446	Nutrition and Disease: Part 2	3
MCB 3020 & 3020L	Basic Biology of Microorganisms and Laboratory for Basic Biology of Microorganisms	4
Elective		3
	Credits	16
	Total Credits	120

Plan of Study Grid

Additional electives may be needed to complete the 120 credits required for graduation.

Certificate Of Completion

Envelope Id: 293FE8AC346E4F158661C834E2981D87	Status: Completed
Subject: Please DocuSign: 30.1901 Nutritional Sciences CPM Modifications.pdf	
Source Envelope:	
Document Pages: 17	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/6/2020 10:44:33 AM	k.bagley@ufl.edu	

Signer Events

Signer Events	Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/6/2020 10:45:35 AM Viewed: 5/6/2020 1:50:44 PM Signed: 5/6/2020 1:50:50 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

In Person Signer Events	Signature	Timestamp

Editor Delivery Events

Editor Delivery Events	Status	Timestamp

Agent Delivery Events

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events

Certified Delivery Events	Status	Timestamp

Carbon Copy Events

Carbon Copy Events	Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)		Sent: 5/6/2020 10:45:35 AM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Witness Events	Signature	Timestamp

Notary Events

Notary Events	Signature	Timestamp

Envelope Summary Events

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/6/2020 10:45:36 AM
Certified Delivered	Security Checked	5/6/2020 1:50:44 PM
Signing Complete	Security Checked	5/6/2020 1:50:50 PM
Completed	Security Checked	5/6/2020 1:50:50 PM

Payment Events

Status

Timestamps

Program:	<u>Interdisciplinary Studies</u>	CIP:	<u>30.9999</u>
		Track:	<u>1</u>
Offered At:	<u>UF*</u>	Program Length:	<u>120 Cr. Hrs.</u>

REVISED 5/27/09

Technical revisions 7/10/2018

Technical 12/11/2018

Technical 12/28/2018

LOWER LEVEL COURSES

	Cr. Hrs.
CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	3
&- CHMX045L	1
or- CHMX041	3
&- CHMX045L	1
&- CHMX046/X046L ⁽¹⁾	4
or- CHMX046C	4
&- BSCX010/X010L	4
or- BSCX010C	4
or- BOTX010C	4
or- Take both courses:	
&- BOTX010/X010L	4
&- BSCX011/X011L	4
or- BSCX011C	4
or- BOTX011C	4
or- Take both courses:	
&- BOTX011/X011L	4
&- MACX233 ⁽²⁾	3
or- MACX311	3
&- MACX147 ⁽²⁾	4
or- MACX114	
&- MACX140	
&- PHYX004	3
or- PHYX020	
&- ECOX023	3

(Please see notes in the following page)

(Continues from previous page)

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

- (1) CHMX046/X046L required for Environmental Management in Agriculture and Natural Resources but not for Golf and Sports Turf Management.
- (2) MACX233 required for Environmental Management in Agriculture and Natural Resources; MACX142 required for Golf and Sports Turf Management.
- * Limited Access.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges):	<p>X <i>Angela Lindner</i></p> <hr/> First Name, Last Name Title: Email: alindner@aa.ufl.edu Phone: 352.846.1761
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Interdisciplinary Studies	CIP Code: 30.9999	Track (if appropriate): 1
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?		No: X
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
CHMX045/L	General Chemistry I and Laboratory	4
CHMX046/L	General Chemistry II and Laboratory	4
BSCX010/L	General Biology I and Laboratory	4
BSCX011/L	General Biology II and Laboratory	4
MACX233	Calculus for Business and Social Science I	3
MACX147	Precalculus Algebra & Trigonometry	4
PHYX004	Technical Physics	4
ECOX023	Microeconomics	3
Current Approved Common Prerequisite Credit Hours		30

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
CHMX045/L	4	28	11	Existing prerequisite (GE Core)
CHMX046/L	4	28	11	Existing prerequisite
BSCX010/L	4	28	11	Existing prerequisite (GE Core)

1/31/2019



Common Prerequisite Proposal

MACX233	3	28	11	Existing prerequisite
STAX023	3	28	11	Needed for success in upper-level courses (GE Core)
SPCX608	3	28	11	Needed for success in upper-level courses

Deleting: BSCX011/L which is not required for the degree, MACX147 which is replaced by MACX233, and PHYX004 and ECOX023 which are required for the degree but not for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

Program is not separately accredited

IV. Review of Completion within 60 semester hours.

- A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX233	MAC 1105	3
Number of College Level Prerequisites for Common Prerequisite Courses		3

- B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 21	Minus Number of Proposed Common Prerequisite Credit Hours
- 3	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 9	Plus Number of Common Prerequisites in General Education Core
45	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

1/31/2019



Common Prerequisite Proposal

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program: Interdisciplinary Studies **CIP:** 30.9999
Environmental Management in Agriculture and Natural Resources **Track:** 1
Offered At: UF* **Program Length:** 120 Cr. Hrs.

REVISED 5/27/09

Technical revisions 7/10/2018

Technical 12/11/2018

Technical 12/28/2018

LOWER LEVEL COURSES

	Cr. Hrs.
CHMX045/X045L	4
or- CHMX045C	4
or- CHMX040	3
&- CHMX045L	1
&- CHMX041	3
or- CHMX045L	1
&- CHMX046/X046L ⁽¹⁾	4
&- CHMX046C	4
or- BSCX010/X010L	4
&- BSCX010C	4
or- BOTX010C	4
or- Take both courses:	
&- BOTX010/X010L	4
or BSC X005/X005L	
&- BSCX011/X011L	4
or- BSCX011C	4
or- BOTX011C	4
or- Take both courses:	
&- BOTX011/X011L	4
&- MACX233 ⁽²⁾	3
or- MACX311	3
&- MACX147 ⁽²⁾	4
or- MACX114	
&- MACX140	
&- PHYX004	3
or- PHYX020	
&- ECOX023	3
& STAX023	3
& SPCX608	3

(Please see notes in the following page)

(Continues from previous page)

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

-
- ~~(1) CHMX046/X046L required for Environmental Management in Agriculture and Natural Resources but not for Golf and Sports Turf Management.~~
 - ~~(2) MACX233 required for Environmental Management in Agriculture and Natural Resources; MACX142 required for Golf and Sports Turf Management.~~
 - ~~* Limited Access.~~

NOTE: Golf and Sports Turf Management track was merged into Plant Science major (CIP 01.1101)

Environmental Management in Agriculture and Natural Resources Interdisciplinary Studies

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological or Physical Sciences)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Humanities		3
State Core Gen Ed Social and Behavioral Sciences		3
Elective		2
Credits		15
Semester Two		
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	

ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
STA 2023	Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics)	3
Gen Ed Composition; Writing Requirement		3
Credits		16-17
Semester Three		
Select one:		3
AEC 3030C	Effective Oral Communication (Critical Tracking)	
SPC 2608	Introduction to Public Speaking (Critical Tracking)	
Select one:		4
BSC 2005 & 2005L	Biological Sciences and Laboratory in Biological Sciences (Critical Tracking ; Gen Ed Biological Sciences)	
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	

GLY 2030C	Environmental and Engineering Geology (Gen Ed Physical Sciences)	3
Select one:		3
PHY 2020	Introduction to Principles of Physics (Gen Ed Physical Sciences)	
PHY 2004	Applied Physics 1 (Gen Ed Physical Sciences)	
Elective		3
Credits		16
Semester Four		
ALS 3133	Agricultural and Environmental Quality (Gen Ed Physical Sciences)	3
MAC 2233	Survey of Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	3
Electives		4
Select one:		3
Gen Ed Humanities		
Gen Ed Social and Behavioral Sciences		
Credits		13
Semester Five		
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
ALS 3153	Agricultural Ecology	3

SWS 3022	Introduction to Soils in the Environment (Gen Ed Physical Sciences)	3
Approved elective		3
Credits		12
Semester Six		
AEB 3133 or MAN 3025	Principles of Agribusiness Management or Principles of Management	3-4
Select one:		3
ENY 3005 & 3005L	Principles of Entomology and Principles of Entomology Laboratory	
IPM 3022	Fundamentals of Pest Management	
SWS 4244	Wetlands	3
Approved elective		3
Elective		3
Credits		15-16
Summer After Semester Six		
SWS 4905 or SWS 4941	Individual Work or Full-time Practical Work Experience in Soil and Water Science	3
Approved elective		3
Credits		6

Semester Seven		
AOM 4643	Environmental Hydrology: Principles and Issues	3
FNR 4660	Natural Resource Policy and Economics	3
SWS 4720C	GIS in Soil and Water Science	3
Approved elective		3
Elective		3
Credits		15
Semester Eight		
SWS 4116	Environmental Nutrient Management	3
SWS 4223	Environmental Biogeochemistry	3
Approved electives		6
Credits		12
Total Credits		120
Plan of Study Grid		

APPROVED ELECTIVES

Other electives require advisor approval

Code	Title	Credits
AEB 3114L	Introduction to Agricultural Computer Applications	1
AEB 3144	Introduction to Agricultural Finance	3
AEB 3300	Agricultural and Food Marketing	3
AEB 3341	Selling Strategically	3
AEB 3450	Introduction to Natural Resource and Environmental Economics	3
AEB 3671	Comparative World Agriculture	3
AEB 4123	Agricultural and Natural Resource Law	3
ALS 4161	Exotic Species and Biosecurity Issues	3
ALS 4162	Consequences of Biological Invasions	3
BUL 4310	The Legal Environment of Business	4
ECO 2013	Principles of Macroeconomics	4
ECO 2023	Principles of Microeconomics	4
ENT 3003	Principles of Entrepreneurship	4
ENY 3007C	Life Science	3
ENY 3510C	Turf and Ornamental Entomology	3
ENY 4210	Insects and Wildlife	3

Code	Title	Credits
FOR 3214	Fire Ecology and Management	2
FOR 4110	Ecology and Restoration of Longleaf Pine Ecosystems	3
GEB 3373	International Business	4
HOS 3020C	Principles of Horticulture Crop Production	4
MAR 3023	Principles of Marketing	4
PLS 3004C	Principles of Plant Science	3
SWS 2007	The World of Water	3
SWS 3022L	Introduction to Soils in the Environment Laboratory	1
SWS 4207	Sustainable Agricultural and Urban Land Management	3
SWS 4231C	Soil, Water and Land Use	3
SWS 4233	Soil and Water Conservation	3
SWS 4245	Water Resource Sustainability	3
SWS 4303C	Soil Microbial Ecology	3
SWS 4307	Ecology of Waterborne Pathogens	3
SWS 4451	Soil and Water Chemistry	3
SWS 4550	Soils, Water and Public Health	3

Code	Title	Credits
SWS 4602C	Soil Physics	3
SWS 4715C	Environmental Pedology	4
SWS 4932	Special Topics in Soil and Water Science (Hydric Soils)	2
SWS 4932	Special Topics in Soil and Water Science (Forest and Soil Ecosystem Services)	3
SWS 4932	Special Topics in Soil and Water Science (Environmental Techniques; 2 live labs at selected locations)	3
WIS 2552	Biodiversity Conservation: Global Perspectives	3
WIS 3401	Wildlife Ecology and Management	3
WIS 4427C	Wildlife Habitat Management	3
WIS 4934	Topics in Wildlife Ecology and Conservation (Natural Resource Ecology)	3
Course List		

**Minutes of the Meeting of the University Curriculum Committee
April 17, 2012**

Bernard Mair convened the UCC at 1:35 in 200 Stuzin Hall.

Members Present: Bernard Mair, Cory Armstrong, Jean Ballantyne, Margaret Carr, Tom Dana, Ken Gerhardt, Stephanie Hanson, David Julian, John Leavey, Albert Matheny, David Pharies, Brian Ray, Jennifer Rea, David Sammons, Venita Sposetti, Elaine Turner

Liaisons: Steve Pritz

Guests: Roxanne Barnett, Rob Fox, Alyson Flournoy, Jacqueline Hoffman, Rachel Inman, Jim Leary, Mark Rush, Tim Wheeler

1. Approval of minutes of March 20, 2012 meeting.
2. Update from Faculty Senate.
3. Proposed changes to the Biological Engineering curriculum, effective Summer B 2012. Dr Leary presented this change to the curriculum with the purpose of meeting the requirements of the Accreditation Board of Engineering and Technology. The curriculum change corresponds with the degree name change. This proposal was approved.
4. Proposed termination of the Bachelor's program in Landscape and Nursery Horticulture and elimination of the Golf and Sports Turf Management specialization in the Bachelor's program in Interdisciplinary Studies, effective Summer B 2012. Dr Turner presented this proposal. The previously approved changes to the Plant Science major incorporate both programs and eliminate the need for separate majors. This proposal was approved.
5. Items from Graduate School (information only).
 - Proposal to change the name of the Ph.D. major from Food Science and Human Nutrition to Food Science.
6. Notice of New Professional Certificates – Conditionally Approved All
Dentistry
 - Certificate of Advanced Education in General Dentistry
 - Certificate in Oral and Maxillofacial Pathology
 - Certificate in Advanced Education in General Dentistry
 - Certificate in Orthodontics
 - Certificate in Prosthodontics
 - Pediatric Dentistry
 - Certificate in Oral and Maxillofacial Surgery

- Certificate in Oral and Maxillofacial Surgery
- Certificate in Endodontics

7. Notice of New Undergraduate Certificates - Recycled

- Health-Related Careers Prerequisites. The purpose of this certificate is to allow students to choose any major while preparing for health-related professions. There was significant discussion regarding this proposal's in-residence requirement for course completion, the SLOs being tied to final exam grades and how that would be assessed and the increased pressure the certificate might place on course availability. This proposal was approved by the committee in concept, but was recycled for further revision by the college.

8. Notice of New Graduate Certificates (information only).

- Certificate in Translational Health Science
- Certificate in Arts Administration

9. Notice of proposed new undergraduate courses.

Engineering

- EEL2002 – ECE Adventures – recycled

Liberal Arts and Sciences

- LIN4XXX – Meaning and Use – conditionally approved
- WST2XXX – Introduction to Health Disparities – conditionally approved
- AFA4XXX – Theories of Black America – conditionally approved
- SPN3XXX – Spanish for Health Professions – approved
- CHM4610 – Advanced Inorganic Chemistry – conditionally approved
- CHM4670 – Bioinorganic Chemistry - withdrawn
- CHM4301 – Introduction to Enzyme Mechanism – approved

Agricultural and Life Sciences

- ALS4950 – CALS Leadership Institute Seminar 1 – approved
- ALS4951 – CALS Leadership Institute Seminar 2 – approved
- ALS4952 – CALS Leadership Institute International Service & Learning Experience – approved

Education

- TSL4XXX – ESOL Curriculum, Methods, and Assessment – conditionally approved

Nursing

- NUR3138C – Clinical Practice 1: Wellness Promotion and Illness Prevention – approved
- NUR3738C – Clinical Practice 2: Restoration of Wellness – approved

10. Notice of proposed changes to undergraduate courses.

Design, Construction and Planning

- IND2635 – Designed Environment and Human Behavior Interactions – approved

Nursing – approve all

- NUR4945L – Clinical Nursing Practicum
- NUR4947L – RN/BSN Practicum
- NUR3026C – Essentials of Professional Nursing
- NUR3119 – Introduction to Nursing Care Management
- NUR3119L – Clinical Nursing: Fundamentals of Nursing Care Management
- NUR3218 – Adult and Elderly Conceptual Bases
- NUR3218L - Adult and Elderly Laboratory
- NUR3225 – Nursing Care Management: Adults
- NUR3225L - Clinical Nursing: Adult Health Care Application
- NUR3355 – Nursing Care Management: Children
- NUR3355L – Clinical Nursing: Child Health Care Application
- NUR3455 – Nursing Care Management: Women's Health and Childbearing
- NUR3455L - Clinical Nursing: Women's Health and Childbearing Health Care Application
- NUR3816 – Dimensions of Professional Nursing
- NUR4165 – Introduction to the Research Process in Nursing
- NUR4256L – Practicum in Adult and Elderly Nursing
- NUR4465 – Women's, Infant's and Children's Health: Conceptual Bases
- NUR4465L – Women's, Infant's and Children's Health Laboratory
- NUR4535 – Nursing Care Management: Mental Health Nursing
- NUR4535L – Clinical Nursing: Mental Health Care Application
- NUR4545 – Psychiatric/Mental Health and Community Conceptual Bases
- NUR4545L – Psychiatric/Mental Health and Community Laboratory
- NUR4635 – Nursing Care Management: Community Health Care Application
- NUR4635L – Clinical Nursing: Community Health Care Application
- NUR4767 – Nursing Care Management: Complex Health Problems
- NUR4767L – Clinical Nursing: Health Care Application in Complex Health Problems
- NUR4836 – Dimensions of Nursing and Health Care Policy Issues and Trends
- NUR3129 – Comprehensive Pathophysiology for Nursing
- NUR3138 – Systems of Care 1: Wellness Promotion and Illness Prevention
- NUR3145 – Pharmacology for Nursing
- NUR3738 – Systems of Care 2: Restoration of Wellness
- NUR4739 – Systems of Care 3: Restoration of Wellness
- NUR4739L – Clinical Practice 3: Restoration of Wellness
- NUR4748 – Systems of Care 4: Multi-system Care
- NUR4748L – Clinical Practice 4: Multi-system Care
- NUR4837 – Healthcare Policy, Finance, and Regulatory Environments

- NUR4944L – Transition to Professional Practice

Liberal Arts and Sciences

- AST3019 – Astronomy & Astrophysics 2 – approved
- GLY3163 – Geology of American National Parks – conditionally approved
- BSC2008 – Biological Sciences: Evolution, Ecology and Behavior – approved
- BSC2007 – Biological Sciences: Cells, Organisms and Genetics – approved
- ZOO2203C – Invertebrate Zoology – approved
- ZOO2303C – Vertebrate Zoology – approved

Agricultural and Life Sciences

- AEB2451 – Valuing Environmental Protection in Florida – approved

11. Notice of proposed new professional courses.

Medicine

- BMS6XXX – Introduction to Clinical Medicine Part 1 – approved

Nursing

- NGR6401L – Advanced Acute and Chronic Child Health Nursing Clinical – conditionally approved
- NGR6401 – Advanced Acute and Chronic Child Health Nursing – approved
- NGR6200C – Neonatal Nurse Practitioner: Diagnostics & Procedures – approved
- NGR6203 – Neonatal Nurse Practitioner 3 – approved
- NGR6050C – Advanced Neonatal Health Assessment and Diagnostic Reasoning – approved
- NGR6370 – Neonatal Pharmacotherapeutics for Advanced Practice Nursing – approved
- NGR6202 – Neonatal Nurse Practitioner 2 – approved
- NGR6201 – Neonatal Nurse Practitioner 1 – approved

Law

- LAW5XXX – Legal Research – approved
- LAW5XXX – Introduction to Lawyering – approved

12. Notice of proposed changes to professional courses.

Nursing

- NGR6302 – Advanced Child Health Nursing 2 – approved
- NGR6307 – Advanced Child Health Nursing 3 – approved
- NGR6371 – Pharmacotherapeutics for Advanced Neonatal Nursing – approved

Veterinary Medicine

- VEM5288 – Small Animal Clinical Pharmacology – approved
- VEM5931 – Seminars in International Veterinary Medicine – approved

13. Notice of proposed new joint graduate/undergraduate level courses.

Liberal Arts and Sciences

- ANG5XXX – Text Analysis – conditionally approved

14. Notice of proposed changes to joint graduate/undergraduate level courses.

- None

15. Notice of proposed new graduate courses (information only).

- PHC6XXX – Environmental Infectious Diseases
- INR6208 – Advanced International Relations Theory
- ART6XXXC – Ceramic Sculpture 2
- PHC6XXX – Occupational and Environmental Health Among Agriculture Workers
- CGN6XXX – Wind Engineering
- MMC6XXX – Brand Management
- GMS6XXX – Recent Advances in Cancer Metastasis
- POS6XXX – Bureaucratic Politics in the U.S.
- INR6XXX – Seminar in Culture and World Politics
- GLY6862 – Numerical Methods in Earth Sciences

16. Notice of proposed changes to graduate courses (information only).

- GMS6791 – Visual Neuroscience Journal Club
- MUE6931 – Contemporary Curriculum Practices in Music Education
- MUE6785 – Methods of Research in Music Education
- MUE6080 – Foundations of Music Education
- MUS6685 – Foundations of Musical Behavior
- HSA6105 – Professional Skills Seminar
- LNW6933 – Special Topics in Latin Literature

17. Items from the floor

- The committee discussed the role of the UCC in evaluating 4000/6000 level courses. The committee discussed whether the UCC should consider if there is significant difference between the 4000 and 6000 level course.



Original file: 30.9999 Interdisciplinary Studies CPM Modifications.pdf

Certificate Of Completion

Envelope Id: F624FADA14A04EF994F64ECC0E891B91	Status: Completed
Subject: Please DocuSign: 30.9999 Interdisciplinary Studies CPM Modifications.pdf	
Source Envelope:	
Document Pages: 21	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/5/2020 2:34:00 PM	k.bagley@ufl.edu	

Signer Events

Signer Events	Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/5/2020 2:34:27 PM Viewed: 5/5/2020 4:56:46 PM Signed: 5/5/2020 4:57:10 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

In Person Signer Events	Signature	Timestamp

Editor Delivery Events

Editor Delivery Events	Status	Timestamp

Agent Delivery Events

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events

Certified Delivery Events	Status	Timestamp

Carbon Copy Events

Carbon Copy Events	Status	Timestamp
Casey Griffith lilgriff@ufl.edu University of Florida Security Level: Email, Account Authentication (None)		Sent: 5/5/2020 2:34:27 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Witness Events	Signature	Timestamp

Notary Events

Notary Events	Signature	Timestamp

Envelope Summary Events

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/5/2020 2:34:27 PM
Certified Delivered	Security Checked	5/5/2020 4:56:46 PM
Signing Complete	Security Checked	5/5/2020 4:57:10 PM
Completed	Security Checked	5/5/2020 4:57:10 PM

Payment Events

Status

Timestamps

Program:	<u>Dietetics/Nutritional Services</u>	CIP:	<u>51.3101</u>
	<u>Dietetics</u>	Track:	<u>2/3</u>
Offered At:	<u>UF*</u>	Program Length:	<u>120 Cr. Hrs.</u>

New track 6/30/2014. Moved from 01.1001.

REVISED 10/28/15

Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX010/X010L ⁽¹⁾	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
& _____ BSCX011/X011L ⁽¹⁾	4
or- BSCX011C	4
or- BOTX011/X011L	4
or- BOTX011C	4
& _____ CHMX045/X045L ⁽¹⁾	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& _____ CHMX046/X046L ⁽¹⁾	4
or- CHMX046C	4
& _____ ECOX023	3
or- ECOX013	3
& _____ MACX147 ⁽¹⁾	4
or- MACX114	3
&- MACX140	3
& _____ MCBX000C ⁽¹⁾	4
or- MCBX000/X000L	4
&- PSYX012	3
& _____ STAX023	3
or- STAX014	3
or- STAX122	3

(Please see notes in the following page)

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FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

- (1) Students MUST achieve a 2.5 GPA or better in all of the above science and math courses.

* Limited Access.



Common Prerequisite Proposal

I. Contact Information

Requesting Chief Program Chair: R. Elaine Turner	Email: returner@ufl.edu Phone: 352.392.1961
Requesting Chief Academic Officer or University Common Prerequisite Liaison (person submitting this proposal to the Board of Governors or Division of Florida Colleges:	<p>X <i>Angela Lindner</i></p> <hr/> First Name, Last Name Title: Email: alindner@aa.ufl.edu Phone: 352.846.1761
Requesting institution:	University of Florida

II. Program Information

Title of Degree Program: Dietetics	CIP Code: 51.3101	Track (if appropriate): Track 2
Does this proposal align with a current track?	Yes: X	No:
Is this program approved for limited access?	Yes: X	
Approved total program hours to the baccalaureate degree: 120		
Other Institutions offering the same program (CIP and Tracks or different CIP/Track if the same major):		

III. Proposed Changes – Add rows as necessary

A. All Current Approved Common Prerequisites (add rows if necessary).

Current Approved Common Prerequisites		
Course Prefix	Course Name	Cr. Hrs.
BSCX010/L	General Biology I and Laboratory	4
BSCX011/L	General Biology II and Laboratory	4
CHMX045/L	General Chemistry I and Laboratory	4
CHMX045/L	General Chemistry II and Laboratory	4
ECOX023	Microeconomics	3
MACX147	Precalculus Algebra/Trigonometry	3
MCBX000/L	Intro Microbiology and Laboratory	4
PSYX012	Introduction to Psychology	3
STAX023	Statistical Methods	3
Current Approved Common Prerequisite Credit Hours		32

B. All Proposed Common Prerequisites and Commonality of Course Offerings (add rows if necessary)

Course Prefix	Credit Hours	Number of FCS Currently Offering Course	Number of SUS Currently Offering Course	Justification for the addition or deletion of course
BSCX010/L	4	28	11	Existing prerequisite (GE Core)
BSCX011/L	4	28	11	Existing prerequisite

1/31/2019



Common Prerequisite Proposal

CHMX045/L	4	28	11	Existing prerequisite (GE Core)
CHMX046/L	4	28	11	Existing prerequisite
MACX147	4	20	11	Existing prerequisite

Deleting ECOX023, MCBX000/L, PSYX012 and STAX023 as prerequisites. While these courses are required for the degree, they are not required for transfer admission.

- C. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in the baccalaureate degree program:

Course(s) limited to 3 or less FCS institutions	Justification as to why these courses are critical for a student's success in the baccalaureate program.

If your request includes courses that are offered only at your institution, explain what options are available to students at other institutions for completing the required courses:

- D. Please explain how any additions or deletions of common prerequisites affect programmatic accreditation issues:

No change to accreditation by Accreditation Council for Education in Nutrition and Dietetics

IV. Review of Completion within 60 semester hours.

A. Course Prerequisites, if known, for Common Prerequisite

College Level Prerequisites for Common Prerequisite Courses		
Course Prefix for	College Level Prerequisites	Cr. Hrs.
MACX147	MAC 1105 AND HIGH SCHOOL TRIGONOMETRY, OR SUITABLE PLACEMENT SCORE	3
Number of College Level Prerequisites for Common Prerequisite Courses		3

B. Review of Coursework

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 20	Minus Number of Proposed Common Prerequisite Credit Hours
- 3	Minus Number of College Level Course Prerequisites for Common Prerequisite Courses (if known)
+ 6	Plus Number of Common Prerequisites in General Education Core
43	Equals Number Credit Hours to complete remainder of General Education

If the number of credit hours to complete remainder of general education is less than 24 credit hours, explain how students will meet the requirements of the common prerequisites:

V. Supporting Documentation

Include the following with this proposal:

- The program page from the Common Prerequisite Manual, if applicable.
- The program requirements for the baccalaureate degree.

1/31/2019



Common Prerequisite Proposal

Date of Submission to the Board of Governors or the Division of Florida Colleges: _____

1/31/2019

Program:	<u>Dietetics/Nutritional Services</u>	CIP:	<u>51.3101</u>
	<u>Dietetics</u>	Track:	<u>2/3</u>
Offered At:	<u>UF*</u>	Program Length:	<u>120 Cr. Hrs.</u>

New track 6/30/2014. Moved from 01.1001.

REVISED 10/28/15

Technical 12/11/2018

LOWER LEVEL COURSES

	Cr. Hrs.
or- BSCX010/X010L- (#)	4
or- BSCX010C	4
or- BOTX010/X010L	4
or- BOTX010C	4
or- ZOOX010/X010L	4
or- ZOOX010C	4
& BSCX011/X011L- (#)	4
or- BSCX011C	4
or- BOTX011/X011L	4
or- BOTX011C	4
& CHMX045/X045L- (#)	4
or- CHMX045C	4
or- CHMX040	
&- CHMX041	
&- CHMX045L	
& CHMX046/X046L- (#)	4
or- CHMX046C	4
& ECOX023	3
or- ECOX013	3
& MACX147- (#)	4
or- MACX114	3
&- MACX140	3
& MCBX000C-(#)	4
or- MCBX000/X000L	4
&- PSYX012	3
& STAX023	3
or- STAX014	3
or- STAX122	3

(Please see notes in the following page)

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FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.



Students MUST achieve a 2.5 GPA or better in all of the above science and math courses.

*

Limited Access.

Dietetics

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester One		Credits
Select one:		3-4
AEB 2014	Economic Issues, Food and You (Gen Ed Social and Behavioral Sciences)	
ECO 2013	Principles of Macroeconomics (Gen Ed Social and Behavioral Sciences)	
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	
MAC 1147	Precalculus Algebra and Trigonometry (Critical Tracking ; State Core Gen Ed Mathematics)	4
State Core Gen Ed Composition; Writing Requirement		3
State Core Gen Ed Humanities		3
Credits		13-14
Semester Two		

CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking ; State Core Gen Ed Biological and Physical Sciences)	4
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
PSY 2012	General Psychology (State Core Gen Ed Social and Behavioral Sciences)	3
Gen Ed Composition; Writing Requirement		3
Elective		3
Credits		16
Semester Three		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	4
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Biological Sciences)	4
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)	3
Elective		1
Gen Ed Social and Behavioral Sciences		3
Credits		15
Semester Four		

BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological Sciences and Physical Sciences)	4
HUN 2201	Fundamentals of Human Nutrition	3
MCB 2000 & 2000L	Microbiology and Microbiology Laboratory (Gen Ed Biological Sciences)	4
Elective		3
Credits		14
Semester Five		
AEC 3030C	Effective Oral Communication	3
AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement)	3
CHM 2210	Organic Chemistry 1 (minimum grade of C within two attempts, including withdrawals)	3
FOS 3042	Introductory Food Science	3
MAN 3025	Principles of Management	4
Credits		16
Semester Six		
AEB 3122	Financial Planning for Agribusiness	3
APK 2105C	Applied Human Physiology with Laboratory	4

CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
DIE 3310	Community Nutrition	2
HUN 3403	Nutrition through the Life Cycle	2
Credits		16
Semester Seven		
BCH 3025	Fundamentals of Biochemistry	4
DIE 4125 & 4125L	Food Systems Management and Food Systems Management Laboratory	5
DIE 4245	Medical Nutrition Therapy Applications: Part 1	3
DIE 4505	Dietetics Seminar	1
HUN 4445	Nutrition and Disease: Part 1	2
Credits		15
Semester Eight		
DIE 4246	Medical Nutrition Therapy Applications: Part 2	3
DIE 4436	Nutrition Counseling and Communication	2
FOS 4311 & FOS 4310L	Food Chemistry and Experimental Foods Laboratory	4
HUN 4221	Nutrition and Metabolism	3

HUN 4446	Nutrition and Disease: Part 2	3
Credits		15
Total Credits		120

Plan of Study Grid

Additional electives may be needed to complete the 120 credits required for graduation.

Cover Sheet: Request 9043**Dietetics****Info**

Process	Undergraduate Degree Programs
Status	Approved
Submitter	Anne Casella kendall@ufi.edu
Created	12/24/2013 11:14:04 AM
Updated	12/3/2014 11:13:38 AM
Description of request	CIP 51.3101 The FSHN Department is proposing to elevate an existing specialization to major status.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Food Science and Human Nutrition 514915000	Susan Percival		12/24/2013
DIE New Degree Proposal Final.doc					12/24/2013
College	Approved	CALS - College of Agricultural and Life Sciences	R Turner	Approved by CALS Curriculum Committee	12/29/2013
DIE degree proposal worksheets final.pdf UCC_memo_FSHNmajorchanges.doc					12/27/2013 12/29/2013
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Sarah Barker	This request will be on the January UCC agenda.	1/6/2014
No document changes					
University Curriculum Committee	Approved	PV - University Curriculum Committee (UCC)	Sarah Barker		1/24/2014
No document changes					
Faculty Senate Steering Committee	Approved	FAC - Faculty Senate Steering Committee	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Information Item	Approved	FAC - Faculty Senate	Susan Alvers		2/21/2014
No document changes					
Faculty Senate - Action Item	Approved	FAC - Faculty Senate	Susan Alvers		3/21/2014
No document changes					
Office of the Provost	Approved	PV - Office of the Provost	Cheryl May	Will present at the March 27, 2014 Board of Trustees Meeting.	3/21/2014
No document changes					
Board of Trustees	Approved	Board of Trustees	Cheryl May	Approved at the March 28, 2014 BOT meeting.	3/31/2014
No document changes					
Board of Governors	Commented	Board of Governors	Cheryl May	Forwarded to BOG for review and approval	4/9/2014

Original file: 51.3101 Dietetics CPM Modifications.pdf

Step	Status	Group	User	Comment	Updated
No document changes					
Board of Governors	Recycled	Board of Governors	Cheryl May	The Board of Governors requires a Limited Access Program Request be completed and approved by the Board of Trustees (BOT). Next BOT meeting is scheduled for 9/5/14.	8/19/2014
No document changes					
Board of Trustees	Approved	Board of Trustees	Cheryl May	Approved by the Board of Trustees on 9/5/14.	9/8/2014
No document changes					
Board of Governors	Approved	Board of Governors	Cheryl May	Approved at the November 6, 2014 BOG meeting.	12/2/2014
No document changes					
Office of the Registrar	Approved	REG - Office of the Registrar (OUR)	Mallon Wojcik	Created DIE major code.	12/3/2014
No document changes					
Office of Institutional Planning and Research	Approved	PV - Office of Institutional Planning and Research	Marie Zeglen		12/3/2014
No document changes					

**Minutes of the Meeting of the University Curriculum Committee
January 21, 2014**

Bernard Mair convened the UCC at 1:30 in 226 Tigert Hall.

Members Present: Margaret Carr, Stephanie Hanson, Christopher Janelle, Gillian Lord, John Mecholsky, David Pharies, Alison Reynolds, Jana Ronan, Mark Rush, Edward Schaefer, Elaine Turner, Hans van Oostrom, Michael Weigold, Patricia Xirau-Probert

Liaisons: Timothy Brophy, David Julian

Guests: Sharon Bradley, Rajeeb Das, Ann Greene, Jamie Kraft, Toby Shorey, Ricky Telg, M. Dee Williams

1. Approval of minutes of December 17, 2013 meeting
 - Approved with correction to ECO2013 in item 7
2. Update from Faculty Senate
 - none
3. Undergraduate and Professional Certificate Policy. Dr. Mair presented this updated certificate policy. The committee discussed the ramifications of item 8 and 9. Dr. Mair will bring this policy back to the UCC once revised.
4. Proposed changes to the CALS Applied Biology track, effective Summer B 2014. Dr. Turner presented this request to allow for more free electives within the track. The proposal was approved.
5. Proposed changes to the Interdisciplinary Studies – Environmental Management in Agriculture and Natural Resources major, effective Summer B 2014. Dr. Turner presented this request. The purpose of the change is to make the program available to UF Online students. The proposal was approved.
6. Proposed changes to the Soil and Water Science major, effective Summer B 2014. Dr. Turner presented this request. The proposal was approved.
7. Proposed new B.S. degree in Nutritional Sciences, effective Summer B 2014. Dr. Turner presented this and item 8 and 9 as one request to split one major with three tracks into three distinct majors. This change is the result of SACS accreditation evaluation. The proposal was approved.
8. Proposed new B.S. degree in Dietetics, effective Summer B 2014. Dr. Turner presented this and item 8 and 9 as one request to split one major with three tracks into three distinct majors. This change is the result of SACS accreditation evaluation. The proposal was approved.

9. Proposed name change of Food Science and Human Nutrition, effective Summer B 2014. Dr. Turner presented this and item 8 and 9 as one request to split one major with three tracks into three distinct majors. This change is the result of SACS accreditation evaluation. The proposal was approved.
10. Proposed new minor in Fine Arts, effective Fall 2014. Dr. Schaefer presented this request. The proposal was recycled pending adding a minimum grade of C to all courses and also requiring faculty review and approval of applications from students to be admitted to the minor.
11. Items from the Academic Assessment Committee (information only)
- Undergraduate ALC
 - Special Education
 - Elementary Education
12. Items from the Graduate School (information only)
- Proposal to terminate the M.S. and Ph.D. in Botany
 - Proposed changes to the Master of Accounting program
 - Proposal for an M.S. in Entrepreneurship
 - Proposal for an M.S. in Information Systems and Operations Management
 - Proposal for an M.A. in International Business
 - Proposal for changes to the M.A. in Latin American Studies
 - Proposal for a new concentration in Veterinary Forensic Sciences
13. Notice of new graduate certificates (information only)
- Addiction and Recovery
14. Notice of proposed changes to graduate certificates (information only)
- Women in Agricultural Development
 - Teaching and Learning in Agricultural & Life Sciences
15. Notice of new undergraduate certificates
- Holocaust Studies – approved
16. Notice of new professional certificate certificates
- One Health for DVM Students – approved
17. Notice of proposed changes to professional certificate
- Post-Master's Adult-Gerontology Acute Care Nurse Practitioner – approved
18. Notice of proposed new undergraduate courses
Liberal Arts and Sciences

- AFA4XXX – African American Politics and Policy – denied
- IDS4XXX – Innovation Academy Senior Project – denied
- SPN3XXX – Spanish Conversation, Film and Culture – approved
- SPN4XXX – Spanish Bilingualism – approved
- WOH3XXX – Africans in World History – approved
- WOH4XXX – Modern Masculinities in Global Perspective – approved

Agricultural and Life Science

- XXX4911 – Supervised Research CALS – approved

Journalism

- MMC1XXX – Introduction to Media and Communications – recycled
- MMC2XXX – Basic Numeracy – denied
- MMC2XXX – Sight, Sound and Motion – recycled
- MMC3XXX – Consumer and Audience Analytics – recycled
- MMC3XXX – Creativity, Innovation and Collaboration in Communications – recycled
- MMC3XXX – Ethics and Problems in Mass Communications – recycled
- MMC3XXX – Media Entrepreneurship – approved
- MMC3XXX – Personal Branding for Communicators – recycled

Business

- ENT4XXX – The Venture Accelerator – recycled

Design, Construction and Planning

- URP4XXX – Sustainable Urbanism in Europe – approved

Fine Arts

- ART2XXXC – Drawing Studio – recycled

19. Notice of proposed changes to undergraduate courses

Liberal Arts and Sciences

- SPN3414 – Advanced Spanish Conversation 2 – approved

Engineering

- CES4141 – Stress Analysis – approved
- CIS4930 – Special Topics in CISE – approved
- EMA3066 – Introduction to Organic Materials – approved
- EMA3080C – Materials Laboratory 1 – approved
- EMA4161 – Physical Properties of Polymers – approved

Journalism

- ADV3203 – Introduction to Advertising Design and Graphics – approved
- ADV4101 – Copywriting and Visualization – recycled
- ADV4300 – Media Planning – recycled
- JOU2005 – Writing Mechanics - withdrawn
- PUR4800 – Public Relations Campaigns – recycled
- RTV2100 – Writing for Electronic Media – recycled
- RTV3101 – Advanced Writing for Electronic Media – recycled
- RTV3200 – Fundamentals of Production – recycled
- RTV3303 – Electronic News Writing and Reporting 1 – recycled

- RTV3304 – Advanced Radio Reporting – approved
- RTV4283 – Advanced Reporting for Interactive Media – approved
- RTV4301 – Electronic News and Reporting 2 – approved
- RTV4302 – Advanced TV Reporting – approved
- RTV4340 – Special News Projects – approved
- RTV480 – Telecommunication Planning and Operations – recycled

Agricultural and Life Science

- SWS4307 – Ecology of Waterborne Pathogens – approved
- XXX4909 – Honors Project CALS – approved

20. Notice of proposed new professional courses

- none

21. Notice of proposed changes to professional courses

Medicine

- PAS5550 – Obstetrics and Gynecology – recycled
- PAS5701L – Intensive Care Medicine – recycled

Nursing

- NGR6307 – Advanced Child Health Nursing III – approved
- NGR6307L – Advanced Child Health Nursing Clinical III – approved

22. Notice of proposed new joint courses

Agricultural and Life Science

- GIS4XXX – Geospatial Analysis – approved

23. Notice of proposed changes to joint courses

Agricultural and Life Sciences

- SUR5625 – Geographic Information Systems Analysis – approved

24. Notice of proposed new 5000 level courses

Liberal Arts and Sciences

- ANG5XXX – Methods in Ethnoecology – approved

Medicine

- GMS5XXX – Medical Human Embryology – tabled
- GMS5XXX – Medical Human Anatomy by Diagnostic Imaging – tabled

Education

- SCE5XXX – Diversity and Equity in Science Teaching – recycled

25. Notice of proposed changes to 5000 level courses

Fine Arts

- DIG5555C – Projection Design 1 – approved

Business

- ACG5226 – Mergers, Acquisitions & Consolidations – approved
- ACG5505 – Financial Rep. for Govt. & Not-for-Profit Organizations – approved
- ACG5815 – Accounting Institutions and Professional Literature – approved

- TAX5065 – Tax Professional Research – approved

26. Notice of proposed new graduate courses (information only)

- AEC6XXX – Teacher Education in Agriculture
- GMS6XXX – Clinical Neuroscience of Aging
- GMS6XXX – Foundations in Aging and Geriatric Research
- GMS6XXX – Fundamentals of Biological Aging
- GMS6XXX – Geriatric and Age Related Diseases
- GMS6XXX – Introduction to Medical Bioethics
- GMS6XXX – Introduction to Medicine and the Law
- GMS6XXX – Law and Ethics of Aging
- GMS6XXX – Lifestyle Interventions in Aging I: Behavioral Aspects and Clinical Outcomes
- GMS6XXX – Lifestyle Interventions in Aging II: Physiologic Aspects
- GMS6XXX – Population Based Research on Aging
- GMS6XXX – Theories of Aging
- NGR7710 – Nurse Scientist and Scholar II
- PHC7XXX – Seminar in Instrument Development for Public Health
- VME6056 – Animal Law

27. Notice of proposed changes to graduate courses (information only)

- ACG6136 – Accounting Concepts and Financial Planning
- ACG6207 – Accounting Issues in Financial Risk Management
- ACG6255 – International Accounting Issues
- ACG6387 – Strategic Costing
- ACG6657 – Auditing and Corporate Governance
- ACG6695 – Computer Assurance and Control
- ACG6888 – Foundations of Measurement
- ART6849C – Installation using digital processes
- EEX6233 – Assessment, Curriculum and Instruction for Student with Mild Disabilities
- GMS6223 – Drosophila Neurogenetics: from Development to Function
- SPN6845 – History of the Spanish Language
- SUR6626 – GIS Programming and Customization
- TAX6015 – Taxation of Business Entities I
- TAX6016 – Taxation of Business Entities II
- TAX6017 – Taxation of Business Entities III
- TAX6526 – Advanced International Taxation
- TAX6877 – Multijurisdictional Taxation

Meeting adjourned at 2:57.

Original file: 51.3101 Dietetics CPM Modifications.pdf

Program:	<u>Dietetics/Nutritional Services</u>	CIP:	<u>51.3101</u>
		Track:	<u>1/3</u>
Offered At:	<u>FIU*, FSU</u>	Program Length:	<u>120 Cr. Hrs.</u>

Added university 10/24/2012
 Deleted UNF 4/27/2016
 Technical revision 7/5/2018
 Technical revision 7/18/2018
 Technical 12/11/2018
 12/12/2018
 Technical 9/24/2019

LOWER LEVEL COURSES

	Cr. Hrs.
— BSCX085/X085L	9
&— BSCX086/X086L	1
or— BSCX085C	8
&— BSCX086C	0
or— BSCX093C	8
&— BSCX094C	0
or— HSCX549	3
or— PCBX702	3
or— PETX322/X322L	4
&— CGSX060	3
or— CGSX061	3
&— CHMX200/X200L	4
or— CHMX210/X210L	
&— CHMX211/X211L	
&— CHMX045/X045L	
&— CHMX046/X046L	
or— CHMX032	
&— ECOX013	3
or— ECOX023	3
or— ECOX000	3
&— MCBX004/X004L	4
or— MCBX020C	4
or— MCBX013C	4
or— MCBX020/X020L	4
&— PSYX012	3
&— Select from the following:	
or— MACX105	
or— MACX147	
&— HUNX201	

(Please see notes in the following page)

(Continues from previous page)

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

* Limited Access.

Program:	<u>Nutritional Services</u>	CIP:	<u>51.3101</u>
		Track:	<u>3/3</u>
Offered At:	<u>UNF</u>	Program Length:	<u>120 Cr. Hrs.</u>

NEW 4/27/2016

Corrected alternative course May 2017.

Technical revision 7/5/2018

Technical 12/11/2018; 12/28/2018

Technical 6/18/2019

LOWER LEVEL COURSES

	Cr. Hrs.
_____ BSCX085/X085L	4
&— BSCX086/X086L	4
or— BSCX085C	
&— BSCX086C	
or— PETX322/X322L	4
or— HSCX549	
or— PCBX702	
&— CHMX045/X045L	3
or— CHMX032	
or— CHMX045C	4
&— MCBX010C	4
or— MCBX004/X004L	4
or— MCBX020C	4
or— MCBX013C	4
or— MCBX020/X020L	4
&— HUNX201	3
&— BSCX010C	4
&— POSX041	3
&— Take either course:	
or— STAX014	3
or— STAX023	3
&— Select from the following:	
or— MACX105	
or— MACX147	
&— FSSX202/X202L	

FOR ALL MAJORS: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.

Certificate Of Completion

Envelope Id: 9FCE17F13FD74E17BFBD59DD9490D4D0	Status: Completed
Subject: Please DocuSign: 51.3101 Dietetics CPM Modifications.pdf	
Source Envelope:	
Document Pages: 23	Signatures: 1
Certificate Pages: 2	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Kimberly Bagley
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	971 Elmore Drive, Rm 102
	PO Box 115250
	Gainesville, FL 32611
	k.bagley@ufl.edu
	IP Address: 128.227.171.160

Record Tracking

Status: Original	Holder: Kimberly Bagley	Location: DocuSign
5/5/2020 2:27:32 PM	k.bagley@ufl.edu	

Signer Events

Signer Events	Signature	Timestamp
Angela Lindner alind@ufl.edu University of Florida Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 70.185.98.34	Sent: 5/5/2020 2:29:55 PM Viewed: 5/5/2020 4:58:43 PM Signed: 5/5/2020 4:58:51 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Casey Griffith
lilgriff@ufl.edu
University of Florida

COPIED

Sent: 5/5/2020 2:29:55 PM

Security Level: Email, Account Authentication (None)

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events

Status

Timestamps

Envelope Sent	Hashed/Encrypted	5/5/2020 2:29:55 PM
Certified Delivered	Security Checked	5/5/2020 4:58:43 PM
Signing Complete	Security Checked	5/5/2020 4:58:51 PM
Completed	Security Checked	5/5/2020 4:58:51 PM

Payment Events

Status

Timestamps

From: [Turner,R Elaine](#)
To: [Lindner,Angela S](#)
Cc: [Griffith,Casey Todd](#); [Brendemuhl,Joel H](#) RE:
Subject: CPM modifications requests
Date: Friday, December 06, 2019 3:17:03 PM
Attachments: [26.0702 Entomology CPM Modifications.pdf](#)

Angela

Attached is the revised Entomology and Nematology request.

Please let me know if we need to meet or what our next steps are to move this project forward.

Elaine

From: Turner,R Elaine
Sent: Sunday, November 24, 2019 3:14 PM
To: Lindner,Angela S <alindner@aa.ufl.edu>
Cc: Griffith,Casey Todd <cgriffith@aa.ufl.edu>; Brendemuhl,Joel H <brendj@ufl.edu>
Subject: RE: CPM modifications requests

Thanks for your thorough review. See my comments in red below. There's one lingering issue about the critical tracking for Entomology and Nematology in the catalog, but everything else is fixed.

ET

From: Lindner,Angela S <alindner@aa.ufl.edu>
Sent: Monday, October 28, 2019 2:31 PM
To: Turner,R Elaine <returmer@ufl.edu>
Cc: Griffith,Casey Todd <cgriffith@aa.ufl.edu>; Brendemuhl,Joel H <brendj@ufl.edu>;
Lindner,Angela S <alindner@aa.ufl.edu>
Subject: Re: CPM modifications requests

Elaine, Joel, and Casey,

I have included my questions/comments on the CPM requests below.

Casey and I will get together this week to discuss, and, if we feel like we should meet prior to submission, we'll let you know.

Some of my comments may be moot, but better safe than sorry.

Angela

Forest Resources and Conservation, 03.0501

- Recommend footnote to read, "UF has a Wildlife Ecology and Conservation track and a Preprofessional track within the Wildlife Ecology & Conservation program."

I had left in the page where Wildlife was a track under Forest Resources and Conservation. I've removed it. Revised document attached.

Dietetics, 51.3101

- Note that the catalog link to the CPM connects to 01.1001 (Nut. Sci.)
Can you help us with the catalog edit? Or do we have to make a specific request?

- Does the CPM need to reflect 1 track since this is a stand-alone program now? Same question for other two programs. I may be missing something though!

Track 2 is FIU and FSU and Track 3 is UNF. I've added those CPM pages to the end of the Dietetics document, and it is attached.

- Does BOG recognize this as limited access?

Yes, page 2 of the CPM page says "Limited Access"

Interdisciplinary Studies, 30.9999

- I am confusing myself with the "Take both courses: BOTX010/X010L or BSCX005/005L" in the CP tree.

I've replaced with an edited version that removes "Take both courses." These are hard to edit, but should be BSCX010/X010L or BSCX010C or BOTX010/X010L or BOTX010C or BSCX005/X005L (one

basic biology or botany course with lab)

- Add rationale for removing ECOX023.

Done. Revised file attached.

Entomology, 26.0702

- Add underneath table in section B a rationale for MAC and PHY changes

Done. Revised file attached.

- Footnote 2: The catalog shows MAC1147 or MAC2311 for Biological Science of Insects specialization. This seems to not support the footnote wording.

I believe this is a catalog error and should be MAC2233.

Surveying, 15.1102

- Provide rationale for addition of SPC, SPA, ECO, and COP courses.

We have the justification in Table B as “needed for success in upper level courses” – do we need to provide more details?

- The FLVC form does not recognize the Geomatics title. Do you want to change this from "Surveying" to "Geomatics"?

Yes, we would like the name to be accurate. I've changed it on the FLVC form and attached a revised document.

Food Sci and Technology/Nut. Sciences, 30.1901

- Note that the catalog link to the CPM is blank.

Can you help us with the Catalog edit or do we need to make that request?

- Does the BOG recognize this program as limited access?

No, it is not limited access.

- Casey: make sure we list this and the Dietetics and Food Science requests sequentially on the UCC agenda. We'll cover these together!

Soils Science, 01.1201

- Can you clarify the PHY requirements? Are they all together in an "or" list, or is (PHYX053/L or PHYX053C) in addition?

Should only be PHYX004/X004L or PHYX020; deleted X053. Revised file attached.

Horticulture Science, 01.1103

- Why switch the order of BSC and BOT?

BSC is more widely available at state colleges than BOT

- Explain deletion of MACX105 or MACX114

MAC1105 is usually a prerequisite for MAC1140, which is the prerequisite

- Explain substitution of PHYX020 for PHYX053

Only a lower level general physics course is needed.

Plant Science, 01.1101

- Why switch BSC and BOT order?

BSC is more widely available at state colleges than BOT

- I recommend switching order of footnotes 1 and 2.

Done. Revised file attached.

Landscape and Nursery Horticulture, 01.0603

- I don't know the answer to this: do we need to submit the BOG form for this even though there's no place asking if this is a deletion?

I'm hoping you can help us figure this out.

Food Science, 01.1011

Animal Science, 01.0901

- Do you want to delete SPCX608? If so, note that on the CP tree.

Yes, for both tracks. For some reason, I couldn't edit that on the CPM page, so I did it by hand and scanned it. Revised file attached.

Agricultural (Food & Resource) Economics, 01.0103

- Do you want to change the title to "Food & Resource Economics"?

Yes. Edited document. Revised file attached.

- Do you want to add ECOX013 to the CP tree and to the rationale in Section B?

I added to the CP tree. It is in the table B as "prerequisite for upper-level

courses" – is that not enough of a rationale?

Angela Lindner, Ph.D.

Associate Provost for Undergraduate Affairs

Associate Professor, Environmental Engineering Sciences

University of Florida | Office of the Provost & Senior Vice President

238 Tigert Hall | P.O. Box 113175 | Gainesville, FL 32611

352.846.1761 | alindner@aa.ufl.edu

From: Turner,R Elaine

Sent: Tuesday, October 8, 2019 2:22 PM

To: Lindner,Angela S

Cc: Griffith,Casey Todd; Brendemuhl,Joel H

Subject: CPM modifications requests

Angela

As promised, attached are the files documenting the updates requested for many of our CPM listings. The motivation is to have the CPM reflect our actual transfer admission requirements to better assist students in developing their pre-transfer programs. We are working towards a statewide agreement with the Florida College System for the CALS majors that are not offered elsewhere in the SUS. There are some additional majors represented in the attached requests beyond our unique programs (specifically Dietetics and Nutritional Sciences), but these modifications are to also adjust the CPM to align with our degree programs and admission requirements. The only program missing is Agricultural Education and Communication – but I hope to have that to you shortly in the same format. We are not requesting changes to Biology, Botany or Microbiology at this time.

Once you and Casey have had a chance to review, Joel and I would be happy to come over and talk through any questions you might have along with the next steps in this process.

Elaine

Dr. R. Elaine Turner

Dean

College of Agricultural and Life Sciences

University of Florida

2001 McCarty Hall D

PO Box 110270

Gainesville, FL 32611-0270

Phone: 352-392-1961

Fax: 352-392-8988

Original file: CALS -CPM modifications requests_email review chain.pdf

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MEMORANDUM

TO: Dr. Angela Lindner, Associate Provost

FROM: Dr. R. Elaine Turner, Dean

SUBJECT: Statewide transfer agreement

DATE: May 4, 2020

The College of Agricultural and Life Sciences seeks to institute a statewide transfer agreement with the Florida College System and the UF College of Agricultural and Life Sciences. As the agriculture and natural resources instructional arm of the land-grant university, the College of Agricultural and Life Sciences (CALs) has multiple bachelor's degree programs that cannot be accessed anywhere else in the state. Specifically, we are interested in focusing on these 13 majors, which are unique to UF-CALS:

- Agricultural Education and Communication
- Agricultural Operations Management
- Animal Sciences
- Entomology and Nematology
- Environmental Management in Agriculture and Natural Resources
- Family, Youth and Community Sciences
- Forest Resources and Conservation
- Geomatics
- Horticultural Sciences
- Natural Resource Conservation
- Plant Science
- Soil and Water Science
- Wildlife Ecology and Conservation

Most of these programs are STEM, and national data tell us that graduates in agriculture and natural resource related areas are currently, and will continue to be in high demand (see <https://www.purdue.edu/usda/employment>). A statewide agreement would allow us to develop customized advising materials in collaboration with each state college to clearly identify the transfer pathway to these programs. Our data show that ~70% of the transfer applicants who are denied admission to these programs in CALs are denied because they are missing prerequisite courses. We want to take all measures possible to assist the state colleges in preparing students for successful transfer.

To move forward with this process, we seek to update the Common Prerequisite Manual for these and other programs in CALs to match current transfer admission practices. In all cases, this reduces the number of courses required for transfer admission,