

UCCC AGENDA for April 15, 2015

Meeting 12:30-2:30 p.m. in Talley Student Center 3285



CALL TO ORDER

Quorum: 12

Welcome and Introductions- Chair, Dr. David Auerbach

Remarks & updates from Dr. Barbara Kirby, Associate Vice Provost, Academic Programs & Services

MINUTES

Approval of UCCC April 1, 2015 Minutes

Recorder : Gina Neugebauer

CONSENT AGENDA

<u>Presenter:</u>	<u>Action:</u>	<u>Type:</u>	<u>Notes:</u>
Despain	WGS 370 Advanced Studies of Gender in Science	Rev: Term Scheduling and Update to Schedule of Topics	
Berube	LOG/MA 335 Symbolic Logic	Rev: Catalog Description	<i>Note: the MA 335 record in CIM will be updated upon approval.</i>

MAJOR ACTIONS

<u>Presenter:</u>	<u>Reviewers:</u>	<u>Action:</u>	<u>Type:</u>
College of Agriculture & Life Sciences			
Hardin	Berube, Black, Nowel	Biotechnology Minor (<i>11BIM</i>)	Rev: Various Changes
Kraus	Berube, Black, Nowel	Horticultural Science-Ornamentals and Landscape (<i>Proposed: 11HSMAAS-11HSMOLT</i>)	New Concentration
Kraus	Hessling, Rieder, Warren	Horticultural Science-Small Systems Farming (<i>Proposed: 11HSMAAS-11HSMSSF</i>)	New Concentration
Hardin	Hessling, Rieder, Warren	General Agriculture (<i>11GNAAAS</i>)	Rev: Various Changes
Kraus	Beller, Brothers, Despain	Field Crops Technology (<i>11FCTAAS</i>)	Rev: Various Changes
College of Engineering			
Parish	Beller, Brothers, Despain	CE 444 An Introduction to Foundation Engineering	Rev: Title, Abb. Title, Pre/Co-reqs, Catalog Description
College of Humanities & Social Sciences			
Despain	Koch, Warren, Ozturk	HI 254 Modern American History	New Course
Despain	Koch, Warren, Ozturk	History BA (<i>16HISTBA</i>) History BS (<i>16HISTBS</i>)	Rev: Add HI 254 to electives list.
Despain	Hessling, Rieder, Kraus	HI 360 U.S. Agricultural History	New Course
Berube	Banks, Hardin, Parish	SW 260 Introduction to Gerontology: An Interdisciplinary Field of Practice	New Course
Berube	Banks, Hardin, Parish	LPS 302 Diversity and Leadership in the Public Sector	New Course

ANNOUNCEMENTS

Course Actions in workflow Available for Review in CIM: hyperlinked in blue.

UCCC Minutes 4.1.2015
Room-Talley Student Center 3285
Call to Order: 12:31pm

ATTENDANCE

Members Present (Quorum Present:13) Chair Auerbach, Amanda Beller, Gene Brothers, Debbie Currie, Scott Despain, Peter Hessling, Tom Koch, Helen Kraus, Andy Nowel, Hatice Ozturk, David Parish, Kathleen Rieder, Rebecca Swanson

Ex-Officio Members Present: Catherine Freeman, Barbara Kirby

Members Absent: David Berube (E), Alton Banks, Betty Black (E), Charles Clift (E), Joseph Gilliam, Charles Hardin (E), Michael Helms, Helmut Hergeth, Brittany Mastrangelo (E), Farzad Rezaei, Robert Warren

Recurring Guests Present: John Harrington, Li Marcus

WELCOME and INTRODUCTIONS

Remarks from Chair, David Auerbach:

Chair Auerbach welcomed the committee in attendance to Talley 3285. He mentioned to the group that in the future, the committee might experiment on reviewing courses virtually, with comments and objections made completely online. Catherine Freeman explained that there is an option in CIM to do electronic voting, but the earliest it will be considered is the 2015-2016 academic year. A member asked if this is done electronically, will the comments, questions, and suggestions be on records. Catherine Freeman confirmed yes.

Remarks from Associate Vice Provost Academic Programs, Barbara Kirby:

Dr. Kirby welcomed UCCC to the meeting. She noted that there is anticipation that the future agendas for the semester will be heavy. There is significant CourseLeaf activity; paper copies will still be accepted for committee review, but may be bumped back to the departments to enter updated information into CIM.

CONSENT AGENDA

- Approval of the Minutes from March 18, 2015-APPROVED unanimously without discussion.
- A motion was made and seconded to approve the consent agenda. The Arts Studies-Visual Arts (16ARTSTBA-16ARTSTVIS) was pulled for further review. Without any further discussion, the package was **APPROVED unanimously**.

Action	Type
Outdoor Leadership Minor (24OLM)	Rev: Add HESO 263 to electives list.
SOC 492 <i>External Learning Experiences</i>	Rev: Catalog Description
SOC 493 <i>Special Problems</i>	Rev: Catalog Description
ENG 317 <i>Designing Web Communication</i>	Rev: Pre-req
EGM 180 <i>Introduction to Mechatronics Laboratory</i>	Rev: Prefix (Change to JEM)
PO 201A <i>Poultry Science and Production</i>	Rev: Add AGI Suffix to PO 201 for AGI offering
PO 202A <i>Poultry Science and Production Laboratory</i>	Rev: Add AGI Suffix to PO 202 for AGI offering
Livestock & Poultry Management AAS (11LPMAAS)	Rev: Replace PO 111 with PO 201A/202A

- Arts Studies-Visual Arts (16ARTSTBA-16ARTSTVIS)-**WITHDRAWN by presenter.**
Discussion: A member from Design provided some insight to ADN 414, a course that is applied, which fits into the curriculum. She explained that GD 303, which is listed, is not focused on application. The member explained that GD 303 is a History and Theory class. She noted that taking replacing the former History course with GD 303 did not make sense. Without any additional discussion, the action was **WITHDRAWN by the presenter.**

NEW BUSINESS

- REL 230 Asian Religions-**APPROVED unanimously without discussion.**
- (16SOCBA) and Criminology (16CRIMNBA) - APPROVED unanimously.
Discussion: Scott Despain moved. Tom Koch seconded. A member pointed out that one of the courses from her college, ADN 454, may not exist as a course anymore. She suggested a double check of the courses in the list. The presenter noted that his college is encouraging programs to consider referring to lists instead of writing them out on their 8 semester displays. Without any further discussion, the action was **APPROVED unanimously.**
- SW 260 Introduction to Gerontology: An Interdisciplinary Field of Practice – WITHDRAWN by presenter without discussion.
- JEM 123 Introduction to Computer Aided Design for Mechatronics Engineering- APPROVED unanimously with friendly suggestions
Discussion: Hatice Ozturk moved; David Parish seconded. One member noted that the justification statement provided reasoning for revision of the prefix from EGM to JEM. However, information is not listed as a pre-requisite on the main page. Another member noted that the course has co-requisites of E 101 and JEM 180, but the Course Action form says one thing, but the paragraph in the memo says ‘none’. A member noted that the second learning outcomes seemed abstract. One member made the suggestion to add “*by examples*” to the statement, as this will allow the student learning outcome to be measureable. Without any additional discussion, the action was **APPROVED unanimously with friendly suggestions.**
- EGM 360 Advanced Mechatronics Design Laboratory- APPROVED unanimously with the friendly suggestion
Discussion: Hatice Ozturk moved; David Parish seconded. One member noted that this course needed a similar clarification on the S/U grading that the previous action had. He explained that the syllabus suggests that there is S/U grading. The presenter stated that she was unsure why the department is not checking or enforcing pre-requisites. Chair Auerbach asked what happens in practice with this course. Catherine Freeman explained that sometimes pre-requisites are not enforced overall, but enforced at the section level. Theoretically any student would be able to register for the course. A member from the college explained that this course is part of a joint distance-education program with UNC-Asheville. Students would take this course via distance education. To keep students in the time frame to graduate in four years, the program is more flexible on some of the pre-requisites. A member asked if this applies to the enforcement of the co-requisites as well. A member from the college stated that he was not sure. Without any additional discussion, the action was **APPROVED unanimously with the friendly suggestion of clarifying the S/U grading.**
- EGM 484 Senior Design Project in Mechatronics Engineering I- APPROVED unanimously.
Discussion: David Parish moved; Scott Despain seconded. Li Marcus asked if the commas in the pre-requisite were ‘ands’ or ‘ors’. The presenter confirmed that the commas serve as ‘ands’. One member asked if the number of hours for the lab were acceptable. Catherine Freeman confirmed that the hours are acceptable. Without any further discussion, the action was **APPROVED unanimously.**
- EGM 484 Senior Design Project in Mechatronics Engineering II- APPROVED unanimously without discussion.
- Engineering-Mechatronics (14EGRBS-14EGRJEM) - APPROVED unanimously.
Discussion: David Parish moved; Scott Despain seconded. The presenter explained that the display appears to only be half a degree; major courses come from NC State University, while General Education courses come from UNC-Asheville. Without any further discussion, the action was **APPROVED unanimously.**
- HS 432 Permaculture: Sustainable Living- APPROVED unanimously with friendly suggestions.
Discussion: Helen Kraus moved; David Parish seconded. One member asked for clarification on the three field trips that are required. He noted that if he was a student, this would be confusing, when there appears to be eight field trips. The presenter explained that students must participate in three of eight offered field trips, with the mountain field trip being optional. A member explained that the wording is confusing, as the expense for the mountain trip is not optional, should a student decide to participate in that field trip. A different member suggested removing ‘not’

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from the transportation statement, as the expense is not optional for the mountain trip, but the trip itself is optional. A member asked when these eight weekend trips would occur, and if students were given a menu ahead of time. The presenter explained that this changes each semester, but a menu is always provided. The member noted that he would not know when the field trips would occur, since they change. The presenter assured the committee that students know the first day of class what the field trip schedule will be, but are not provided this information any earlier. A member pointed out that the second learning outcome seemed a bit vague; he asked how could it be determined that students are making connections. Dr. Kirby suggested removing the word 'better'. Another member noted that students may be confused under grading assignments as it lists a specific grading system but then states that the course follows the NCSU standard grading system. The presenter explained that the specific grading was solely for the assignments; the course grade would be based upon the NCSU standard. Without any additional discussion, the action was **APPROVED unanimously with friendly suggestion concerning: clarification of the transportation statement, clarification of the field trip fee, and removal of the word 'better' in the second learning outcome of the syllabus, and clarification on the two types of grading bases.**

ANNOUNCEMENTS and DISCUSSION

Meeting adjourned at 1:06 pm

Respectfully submitted by Gina Neugebauer

WGS 370 Advanced Studies of Gender in Science

This course has been entered and approved via the CIM approval system. To view this course, please [CLICK HERE](#).

LOG/MA 335 Symbolic Logic

This course has been entered and approved via the CIM approval system. To view this course, please [CLICK HERE](#).

Academic Minor Revision Memorandum

To: Dr. Michael Mullen
Vice Chancellor and Dean of the Division of Academic and Student Affairs

From: Dr. Sabrina Robertson
Assistant Professor, Biotechnology (BIT) Program

Date: February 20th, 2015

The Biotechnology (BIT) Program would like to propose several changes to the undergraduate academic minor in Biotechnology (**11BIM**) for Spring 2015. The proposed changes with justifications are as follows:

1. Update to Requirements

A research experience (3 credits total) related to biotechnology is currently required for the undergraduate minor. We would like to give students the opportunity to replace this requirement with an additional 2 credit BIT special topic laboratory course (Group C) plus a 1 credit BIT professional development course (3 credits total). Note an alteration in the range of credits required in Group B and C courses would result from this proposed change "8-9" to "8-11". These proposed changes are illustrated in the attached OUCC minor pdf.

Justification

We propose that the replacement of a 3 credit research experience with an additional 2 credit Group C course and a 1 credit professional development course will provide students that choose not to pursue a traditional research internship a comparable experience. BIT special topic laboratory courses (Group C) include a series of cutting-edge laboratory intensive courses that are research-based and designed to give students hands on experience with important fundamental and new biotechnologies. In addition to this research-like experience, students will also be required to take a professional development course that will provide students with excellent opportunities to learn about careers within the biotechnology field and to build their professional skills and network with local companies and agencies. This proposed alteration to the BIT minor requirements will help a larger number of students finish the minor, especially those that struggle to find traditional research opportunities. This change will not impact our support for more traditional research experiences. As stated in the proposed changes (see the attached OUCC minor pdf), the BIT program will continue to strongly encourage traditional research experiences and work hard to help our students find these opportunities.

NC STATE UNIVERSITY

2. Update to Required Courses description.

Group B revision

BIT410 is now offered in the fall, spring and summer. We propose to update the description to reflect this change “will be offered in fall, spring, and most summer semesters.”

Group C revision

Group C courses include the suite of laboratory-intensive BIT special topic courses that are developed frequently (on a yearly basis) to cover new, cutting edge biotechnologies. The current list of courses represented is out of date, and we would like to add a sentence to point students to our website where the most up to date course list exists. These proposed changes are illustrated in the attached OUC minor pdf.

Group D revision

The proposed changes in Group D were made to reflect the proposed alteration in the research requirement described in detail above. See the illustrated changes in the attached OUC minor pdf.

In addition, we propose to add Sabrina Robertson as a BIT advisor for students to consult about potential research opportunities.

Impacts on other departments/programs

The proposed changes will not impact any other department or program.

Impact on current students

Current students that have already completed the research requirement will not be impacted. If this memorandum is approved, students that have not completed the existing research requirement, will be able to either participate in 3 credits of biotechnology related research as before or take a third 7.5 week research-based biotechnology course module (Group C) plus a 1 credit professional development course.




Proposed effective date: April 1st, 2015 **Approved Effective Date:** _____

Attachments

All proposed changes are illustrated in red in the attached OUC minor pdf.

NC STATE UNIVERSITY

Required Signatures

	3/11/2015
Department Head	Date
	3/20/15
Chair, College Courses and Curricula Committee	Date
	3/20/15
College Dean	Date
Chair, University Courses and Curricula Committee	Date
Dean, Division of Academic and Student Affairs	Date

Main Menu

- ▶ General Education Program
- ▶ For Faculty & Staff
- ▶ Academic Programs
- ▶ Curriculum - Semester Displays
- ▶ Quick Links

Home

Biotechnology (11BIM)

Description

The undergraduate Minor in Biotechnology is a university-wide program and draws upon NC State's strength in the life sciences, agriculture and engineering. Students in the minor will participate in a series of cutting-edge laboratory-intensive courses. Upon completion of the minor, students will have a conceptual understanding of a wide array of research applications in biotechnology, as well as mastery of numerous techniques.

Biotechnology is not universally accepted, and one role of a university is to ensure that this technology is used wisely. A key part of the training provided by the Biotechnology Minor is the requirement for an ethics course that promotes critical thinking of ethical issues and discussions of individual and collective rights and responsibilities. By active participation in break-out sessions, each student can contribute their concerns and thoughts regarding the complex issues that accompany use of genetically engineered organisms.

Requirements

8-11

The requirements for the Biotechnology Minor include ~~8-9~~ credits of biotechnology-related laboratory courses (see Group B and C); ~~a 2-credit research experience related to biotechnology (Group D)~~; and a 1-3 credit biotechnology ethics course (Group E). Group A describes the pre-requisite courses a student will need to have completed satisfactorily in order to be eligible to start the minor. The minor requires 19-22 credit hours depending on course selection.

Required Courses

Group A: Preparatory Classes

Choose one from this group:

BIO 183 Introduction to Biology I: Cellular and Molecular Biology (4 cr)

And the following course is required after one of the above has been completed:

CH 223 Organic Chemistry II (3 cr)

Group B (4 credits): One of these courses should be taken preferably during the junior or senior year, prior to or concurrently with the research internship in Group D. BIT 410 is the preferred course for students to take and will be offered in ~~both fall and spring~~ **fall, spring, and most summer** semesters.

BIT 410 Manipulation of Recombinant DNA (4 cr)

The following course may be substituted for BIT 410:

BCH 454 Advanced Biochemistry Lab (4 cr)

Group C (4-5 credit hours): These courses will be offered in ~~pairs of~~ **semesters** 7.5 week modules during the Fall and Spring ~~Semester~~, or as 2 week modules during the summer. You may combine any two courses from this list. BIT special topic laboratory courses designated BIT495 or BIT595 may be used with departmental approval. Other BIT 500-level laboratory courses are permitted with departmental approval.

~~BIT 460 Sequencing cDNA Libraries (2 cr)~~

A 3 credit research experience related to biotechnology (Group D) is strongly recommended but may be replaced with an additional 2 credit biotechnology-related laboratory course (Group C) and a 1 credit biotechnology professional development course (Group D).

BIT laboratory courses are constantly added and updated to cover new biotechnology techniques. To view the latest BIT special topic laboratory courses visit the BIT program website <http://biotech.ncsu.edu/courses>

~~BIT 462 Microarrays (2 cr)~~
~~BIT (CHE) 464 Protein purification (2 cr)~~
~~BIT 465 Real-time PCR Techniques~~
~~BIT 466 Animal cell culture (2 cr)~~
~~BIT (PB) 481 Plant Transformation and Tissue Culture (2 cr)~~
~~BIT 467 PCR and DNA Fingerprinting (2 cr)~~
~~BIT 468 Genome Mapping (2 cr)~~
~~BIT 471 RNA Interference and Model Organisms~~
~~BIT 473 Experimental Analysis of Protein-Protein Interactions~~
~~BIT 474 Plant Genetic Engineering~~
~~BIT 476 Applied Bioinformatics~~

We would like to delete this list of courses and instead point students to our website which contains the most up to date list

A 3 credit research experience related to biotechnology is strongly recommended.

The following course may be substituted for one module:

MB 451 Microbial Diversity (3 cr)

Group D (3 credit hours): You must enroll for 3 credits of research experience. This should be done through your major department if possible. Most majors have 492/493/level courses that give credit for research experience.

There are many opportunities for summer internships in the Research Triangle Park. Please consult with your advisor, the coordinator of advising for your major or Marcy Bullock (Marcy_Bullock@ncsu.edu) or Tricia Buddin (Tricia_Buddin@ncsu.edu) in the College of Agricultural and Life Sciences Career Services office at 515-3249.

An additional 2 credit biotechnology-related laboratory course (Group C) plus a 1 credit biotechnology professional development course (BIT495) may replace this research requirement.

Existing courses that fulfill this requirement include:

ALS 499 Honors Research (3 cr)
CHE 497 Undergraduate Research (3 cr)
Any 492 or 493 course in a Science Department, providing that a biotechnology-related research topic is pursued (3 cr)

Group E (1-3 credits): You must enroll for 1-3 credits of courses that include ethical discussions of biotechnology.

Any of the following courses will fulfill this requirement. Other courses may be used with departmental approval.

IDS 201 Environmental Ethics (3cr)
STS 302 Contemporary Science, Technology and Human Values (3cr)
IDS 303 Humans and the Environment (3cr)
STS 304 Ethical Dimensions of Progress (3cr)
STS 320 Ethics in Engineering (3cr)
PHI STS 325 Bio-Medical Ethics(3cr)
BIT 501 Ethical Issues in Biotechnology (1 cr)

or the BIT advisor Dr. Sabrina Robertson (sedought@ncsu.edu)

Elective Courses

None

Admissions and Certification of Minor

Students who have questions or who would like to be admitted to the minor should complete the University Minor Declaration Form. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. The **University Minor Declaration Form (pdf)** is the paperwork necessary for certification and should be completed during the registration period that will complete the requirements for the minor or during the registration period for the student's final semester at NC State.

Contact Persons

Dr. Sabrina Robertson
6104 Jordan Hall
sedought@ncsu.edu

OR

Robert M. Kelly
Partners II Bldg., Room 3309
840 Main Campus Drive
919 515 6396
rmkelly@eos.ncsu.edu

SIS Code: 11B1M



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November 6, 2014

MEMORANDUM

TO: University Courses and Curricula Committee (UCCC)

FROM: Dr. John Dole, Department Head
Dr. Helen Kraus, Undergraduate Coordinator
Department of Horticultural Science

SUBJECT: Creation of sub-plan Ornamentals and Landscape within the Horticultural Science Management degree

The Department of Horticultural Science teaching faculty requests to create the Ornamentals and Landscape (OLT) sub-plan under the AAS degree Horticultural Science Management (11HSMAAS). *The AAS OLT title change to HSM is pending approval by Board of Trustees/UNC-CHA.*
The proposed 4-semester display for the OLT sub-plan is a modification of the current OLT 4-semester display. It allows students in the AAS degree to select from courses that will prepare them for a career in greenhouse crop production, nursery management, fruit and vegetable production and/or landscape construction. These changes provide students a greater diversity in employment.

The specific modifications are:

- Adding two HSM options of Horticulture electives from which students can choose courses. For Option 1, students choose from either HS 141, Greenhouse Crop Production or HS 151, Nursery Management. For Option 2, students choose from either HS 131, Fruit and Vegetable Production or HS 171, Landscape Construction. Both HS 131 and HS 171 are new courses that have been developed for the purpose of broadening the career opportunities in this degree program. Students choose courses from each of these options in the spring semester of their first year and their second year.
- Moving the humanities/fine arts elective from the spring of the first year to the fall of the second year.
- Deleting the free elective in the fall of their second year. These credits have been replaced by the requirement to choose two courses from each of the HSM Options.
- Moving their free elective from the spring of their first year to the spring of their second year.
- Changing ~~AGI 185~~ ^{PP 155} to HS/PP 144; *Replace CS 153 with Free Elective*
- Changing the requirement to take both HS 141 and HS 151 to the requirement that students select a HSM course from each of Option 1 and Option 2 for the spring of their second year. This allows the student an opportunity to broaden their career opportunities. *→ Advised elective 6-7 cr.*

We request this change be effective as of August, 2015.

OFFICE OF UNDERGRADUATE COURSES & CURRICULA

Published on Office of Undergraduate Courses & Curricula (<http://oucc.ncsu.edu>)

[Home](#) > Agricultural Institute - Ornamentals & Landscape Technology (AAS) (11OLTAS)

Agricultural Institute - Ornamentals & Landscape Technology (AAS) (11OLTAS)

Agricultural Institute - Ornamentals & Landscape Technology (AAS) (11OLTAS)

Semester Display Effective Date: Sat, 2011-01-01
Wed, 2012-06-27 (All day)

Current showing revisions

FIRST YEAR			
Fall Semester	Credit	Spring Semester	Credit
WRT111 Expository Writing ^{E,1}	3		3
MAA 102 Math Modeling ²	3	WRT 114 Professional Writing, Research & Reporting ^{E,1}	
HS 101 Om & Landscape Tech Orientation	1	MA 103 Topics in Contemporary Mathematics ^A	3
HS 111 Plant Identification	3	Humanities *** Elective ^B	3
HS 115 Plant Growth & Development	3	HS 121 Plant Propagation	3
SOC 203A Current Social Problems ^C	3	HES *** Health & Exercise Studies ^D	1
		*****Free Elective	3
	16	HS Adv. Elective ^①	3-4
			16-17
SECOND YEAR			
ARE 201A Intro to Ag & Resource Economics ^C	3	ARE 115 Agribusiness Accounting	3
CS 153 Turf and Orn Weed Control	3	BAE 123 Light Equipment Tech	3
PP 155 Diseases of Orn & Turf	3	ENT 163 Orn & Turf Insects	3
HS 162 Landscape Maintenance	4	HS 141 Greenhouse Crop Production	4
SSC 112 Principles of Soil Science	3	HS 151 Nursery Production	3
	16	Free elective	3
		HS Adv. Elect ^①	3
			15-16

Minimum Credit Hours Required for Graduation*: 64

Footnotes: ① Choose from the following HS Advised elective:
Option 1: HS 141, HS 151
Option 2: HS 131, HS 171

Major/Program Footnotes:

¹ WRT 111 and WRT 114 must be completed with a C-minus or higher grade for transfer to an NC State baccalaureate program.

² MAA 102 must be completed with a C- minus or higher grade.

*** General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirement for graduation and the General Education Program, the following category credit hours must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://oucc.ncsu.edu/gep-courses>.

A. **Mathematical Sciences** (3 credit hours) MA 103 fulfills the 3 credits of Mathematical Sciences.

B. **Humanities/Visual & Performing Arts** (3 credit hours)

Choose from the University approved GEP Humanities or Visual & Performing Arts course list

- C. **Social Sciences** (6 credit hours) **ARE 201** and **SOC 203** fulfill 6 credits of Social Science GEP.
- D. **Health and Exercise Studies** (1 credit hour)
Choose from the University approved GEP Health & Exercise Studies course list
- E. **Introduction to Writing** (6 credit hours satisfied to by completing **WRT 111** and **WRT 114**)

Tags: [Agriculture and Life Sciences](#), [Current Display](#)

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North Carolina State University

Source URL (retrieved on 2015-04-09 10:14): <http://oucc.ncsu.edu/semester-display/AGI-11OLTAS-nosubplan-2111>

CURRICULUM REQUIREMENTS

Format B – GEP 2009

Degree Title: Associate of Applied Science in Ornamentals and Landscape Technology**Current Degree Key:** 11HSMAAS; 11HSMOLT**Effective Date of Revision:** 8/2015

MAJOR FIELD OF STUDY REQUIREMENTS:		
Required Courses/Groups/ Electives:	Credit Hours	GEP category, if applicable
Indicate if course or course groupings have a C-wall or MGPA requirement		List GEP category and hours satisfied by a Major requirement
<u>Math</u> MA 103A	3	Mathematics (3 hours)
ARE 201A	3	Social Sciences (3 hours)
SOC 203A or SOC 241A	3	Social Sciences (3 hours)
BAE 123	3	
ENT 163	3	
PE / HS 144	3	
HS 111	3	
HS 115	3	
HS 121	3	
HS 162	3	
SSC 112	4	
Concentration Courses/Groups/Electives:		
HS Advised Courses (Choose 2) HS 131, Fruit & Vegetable Production } <i>option 1</i> HS 141, Greenhouse Crop Production HS 151, Nursery Production HS 171 Landscape Construction } <i>option 2</i>	6/7	
Free Electives:	6/7	Any 100 level course offered by AGI
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	46/47 Hours	
COLLEGE REQUIREMENTS:		
Orientation Course(s): AGI/CS/HS 101	1	

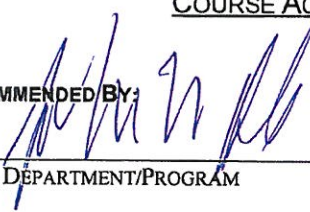
Other: MAA 102 ARE 115	6	
Total credit hours under College Requirements:	7 Hours	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u> <i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i> <i>Specific courses should not be listed in any of the fields below other than Composition.</i>		At least one of the following must be listed: 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.	
General Education Program Requirements: <i>Minimum 15 hrs</i>	<i>Credit hours</i>	<i>How will the GEP requirement be met?</i> (Choose applicable statement from 1-6 listed above)	
Mathematical Sciences (3 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.	
Composition (6 credits)	6	WRT 111 and WRT 114	
Humanities (3 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>(Choose statement 1, 2 or 3)</i> Choose course from the University Approved GEP course list for this category.	
Social Sciences (6 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.	
Physical Education/Healthy Living (1 credit)	1	Choose course(s) from the University Approved GEP course list for this category.	
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	10 Hours		
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>	
U.S. Diversity co-requisite (USD)	n/a	<i>(Choose statement 1 or 4)</i>	
Global Knowledge co-requisite (GK)	n/a	<i>(Choose statement 1 or 4)</i>	
Foreign Language Proficiency	n/a		
The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"	
Communication in the Major (Advanced Communication)		Satisfied by College/Program Requirements	
Technology Fluency		Satisfied by College/Program Requirements	
Total credit hours required to complete Degree: Total must be within 62-72 credit hours.	64 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.	

SIGNATURE PAGE

COURSE ACTION FOR Creation of OLT subplan

RECOMMENDED BY:



HEAD, DEPARTMENT/PROGRAM

3/28/15


DATE

ENDORSED BY:

Elisabeth Miller AGI 3/20/15
 3/20/15

CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE

DATE

 3/20/15

COLLEGE DEAN

DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE

DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION

DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA)

DATE

APPROVED EFFECTIVE DATE _SEPT, 2014_



November 6, 2014

MEMORANDUM

TO: University Courses and Curricula Committee (UCCC)

FROM: Dr. John Dole, Department Head
Dr. Helen Kraus, Undergraduate Coordinator
Department of Horticultural Science

SUBJECT: Creation of sub-plan Small Systems Farming within the Horticultural Science Management degree

The Department of Horticultural Science teaching faculty requests to create the Small Systems Farming (SSF) sub-plan under the AAS degree Horticultural Science Management (11HSMAAS).

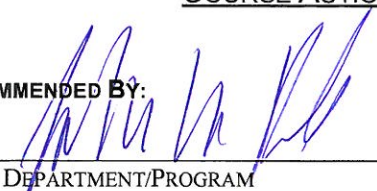
The proposed 4-semester display for the SSF sub-plan allows students in the AAS degree to select from courses that will prepare them for a career in small scale diversified farming focusing on fruit and vegetable crops.

We request this change be effective as of August, 2015.

SIGNATURE PAGE

COURSE ACTION FOR Icreation of subplan SSF

RECOMMENDED BY:




HEAD, DEPARTMENT/PROGRAM

DATE

3/20/15

ENDORSED BY:



CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE

DATE

3/20/15

Elizabeth Miller 3/20/15
AGT



COLLEGE DEAN

DATE

3/20/15

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE

DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION

DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA)

DATE

APPROVED EFFECTIVE DATE _SEPT, 2014_

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: X Proposed: Effective Semester: **1/2011**

DEGREE TITLE: A.A.S. Ornamentals and Landcape Technology

CONCENTRATION TITLE:

CURRENT DEGREE KEY: 11OLTAS

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
WRT 111 - Expository Writing ^{E1}	3	WRT 114 - Prof Writing, Research and Reporting ^E	3
MAA 102 - Math Modeling ¹	3	MA 103 - Topics in Contemporary Mathematics ^A	3
HS 101 - Orn & Landscape Tech Orientation	1	H/FA *** - Humanities/Fine Arts Elective ^B	3
HS 111 - Plant Identification	3	HS 121 - Plant Propagation	3
HS 115 - Plant Growth & Development	3	PE*** - Any PE course ^D	1
SOC 203 - Current Social Problems ^C	3	***** - Free Elective	3
<i>Total:16</i>		<i>Total:16</i>	

SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ARE 201 - Ag & Resource Economics ^C	3	ARE 115 - Agribusiness Accounting	3
CS 154 - Turf & Orn Weeds and Diseases	3	BAE 123 - Light Equipment Tech	3
HS 162 - Landscape Maintenance	3	ENT 163 - Orn & Turf Insects	3
SSC 112 - Principles of Soil Science	4	HS 141 - Greenhouse Crop Production	4
***** - Free Elective	3	HS 151 - Nursery Production	3
<i>Total: 16</i>		<i>Total:16</i>	

Minimum Credit Hours Required for Graduation*: 64

Major/Program Footnotes:

¹ WRT 111 and MAA 102 must be completed with a C-minus or higher grade.

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. **Mathematical Sciences** (3 credit hours) **MA 103A** fulfills the 3 credits of Mathematical Sciences.
- B. **Humanities/Fine Arts** (3 credit hours)
Choose from the University approved GEP Humanities or Fine Arts course list
- C. **Social Sciences** (6 credit hours). **ARE 201A** and **SOC 203A** or **SOC 241A** fulfills 6 credits of Social Science GEP.
- D. **Physical Education/Healthy Living** (1 credit hour)
Choose from the University approved GEP Physical Education course list.
- E. **Introduction to Writing** (6 credit hours satisfied by completing **WRT 111** and **WRT 114**).
The following Co-Requisites must be satisfied to complete the General Education Program requirements:
- F. **U.S. Diversity (USD)**
*The following course completed as part of the requirements may fulfill this requirement: **SOC 203***

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X Effective Semester: 8/2015

DEGREE TITLE: A.A.S. Horticultural Science Management

CONCENTRATION TITLE: Small Scale Farming

PROPOSED DEGREE KEY: 11HSMAAS; 11HSMSSF

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
WRT 111 Expository Writing ^E	3	WRT 114 Prof Writing, Research and Reporting ^E	3
MAA 102 Mathematics for Ag & Sciences	3	MA 103A Topics in Contemporary Mathematics ^A	3
HS 101 Orn & Landscape Tech Orientation	1	HS 121 Plant Propagation	3
HS 115 Plant Growth & Development	3	HES* Any Health & Exercise Science Course ^D	1
SOC 203A Current Social Problems or SOC 241A Ag & Rural Society ^C	3	BAE Elective ²	3/4
SSC 112 Principles of Soil Science	4	HS Elective ⁴	3
<i>Total: 17</i>		<i>Total: 16 - 17</i>	
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ARE 201A Intro to Ag & Resource Economics ^C	3	ARE 115 Agribusiness Accounting	3
HS 144 Weeds and Diseases of Ornamentals	3	H/FA *** Elective ^B	3
CS 152 Weed Control in Field Crops	3	HS 141 Greenhouse Crop Production	4
ENT Elective ³	3	***** Free Elective	6
ANS/PO Elective ¹	3/4		
<i>Total: 15 - 16</i>		<i>Total: 16</i>	

Minimum Credit Hours Required for Graduation*: 64

Major/Program Footnotes:

- ¹ ANS/PO Elective (3-4 credit hours) Choose from: ANS 103, Beef Production; ANS 104, Swine Production; or PO 150 Poultry Production
² BAE Elective (3-4 credit hours) Choose from: BAE 123, Light Equipment Technology or BAE 133, Ag. Tractors & Machinery
³ ENT Elective (3 credit hours) Choose from: ENT 110, General Entomology or ENT 121, Pesticides and Their Utilization
⁴ HS Elective (3 credit hours) Choose from: HS 131, Fruit & Vegetable Production or HS 175, Horticultural Entrepreneurship

***General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirements for graduation and the General Education Program, the following category credit hours must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://www.ncsu.edu/uap/academic-standards/gep/courselists/index.html>.

- A. **Mathematical Sciences** (3 credit hours) MA 103A fulfills the 3 credits of Mathematical Sciences.
- B. **Humanities/Fine Arts** (3 credit hours)
Choose from the approved GEP Humanities or Fine Arts course list below
- C. **Social Sciences** (6 credit hours). ARE 201A and SOC 203A or SOC 241A fulfills 6 credits of Social Science GEP.
- D. **Physical Education/Healthy Living** (1 credit hour) *Choose from the University approved GEP Physical Education course list.*
- E. **Introduction to Writing** (6 credit hours satisfied by completing WRT 111 and WRT 114).

CURRICULUM REQUIREMENTS

Format B – GEP 2009

Degree Title: Associate of Applied Science in Horticultural Science Management**Current Degree Key:** 11HSMAAS; 11HSMSSF**Effective Date of Revision:** 8/2015

MAJOR FIELD OF STUDY REQUIREMENTS:		
Required Courses/Groups/ Electives:	Credit Hours	GEP category, if applicable
Indicate if course or course groupings have a C-wall or MGPA requirement		List GEP category and hours satisfied by a Major requirement
<u>Math</u> MA 103A	3	Mathematics (3 hours)
ARE 201A	3	Social Sciences (3 hours)
SOC 203A or SOC 241A	3	Social Sciences (3 hours)
CS 152	3	
HS 115	3	
HS 121	3	
HS 144	3	
HS 141	4	
SSC 112	4	
Concentration Courses/Groups/Electives:		
ANS/PO Elective – ANS 103 or ANS 104 or PO 150	3/4	
BAE Elective – BAE 123 or BAE 133	3/4	
ENT Elective – ENT 110 or ENT 121	3	
HS Elective – HS 131 or HS 175	3	
Free Electives:	6	Any 100 level course offered by AGI
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	41/47 Hours	
COLLEGE REQUIREMENTS:		
Orientation Course(s): AGI/CS/HS 101	1	

Other: MAA 102 ARE 115	6	
Total credit hours under College Requirements:	7 Hours	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u>		At least one of the following must be listed:
<p><i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category may not be subset to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i></p> <p>Specific courses should not be listed in any of the fields below other than Composition.</p>		<ol style="list-style-type: none"> 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 15 hrs</i>	<i>Credit hours</i>	<i>How will the GEP requirement be met?</i> (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (3 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Composition (C- or better required) (6 credits)	6	WRT 111 and WRT 114
Humanities (3 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>(Choose statement 1, 2 or 3)</i> Choose course from the University Approved GEP course list for this category.
Social Sciences (6 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	<i>(Choose statement 1, 2 or 3)</i> Minimum requirements are satisfied by Major/College course requirements.
Physical Education/Healthy Living (1 credit)	1	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	10 Hours	
GEP Co-Requisites:		Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.
U.S. Diversity co-requisite (USD)	n/a	<i>(Choose statement 1 or 4)</i>
Global Knowledge co-requisite (GK)	n/a	<i>(Choose statement 1 or 4)</i>
Foreign Language Proficiency	n/a	
The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		Satisfied by College/Program Requirements
Technology Fluency		Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 62-72 credit hours.	63-65 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.



March 11, 2015

MEMORANDUM

TO: University Courses and Curricula Committee (UCCC)

FROM: Dr. Jeff Mullahey, Department Head
Emily Erickson, Lecturer
Department of Crop Science

SUBJECT: Changes in General Ag Degree Requirements and Semester-by-Semester Display

The Department of Crop Science teaching faculty requests to change the General Ag curriculum and semester-by-semester displays to eliminate course scheduling conflicts, as well as allowing the option of SOC 241A in addition to SOC 203A.

For General Ag, we also request that CS 191 Field Crop Seminar be required for that degree in the second spring semester. This would change the Crop Science requirements from CS 111 (4 credits) plus 5 additional credits in Crop Science to CS 111, CS 191 (2 credits) plus an additional 3 credits in Crop Science. The total number of credits required in Crop Science would remain the same at 9 credits.

We request these changes be effective as of Fall 2015.

SIGNATURE PAGE

COURSE ACTION FOR MEMO FOR CHANGE TO *GA four-semester display & curriculum*

RECOMMENDED BY: *[Signature]*

3-16-2015

HEAD, DEPARTMENT/PROGRAM

DATE

ENDORSED BY: *Elizabeth Williams* *3/20/15*
AGE

Melissa Murray

CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE

3/20/15
DATE

Samuel L. Pender

COLLEGE DEAN

3/20/15
DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE

DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION

DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA)

DATE

APPROVED EFFECTIVE DATE SEPT, 2014

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: X Proposed: Proposed Effective Semester: **Fall 2015**

DEGREE TITLE: A.A.S General Agriculture

CONCENTRATION TITLE: n/a

CURRENT DEGREE KEY: GA

FRESHMAN YEAR		CREDITS	
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AGI 101 Intro to the Agricultural Institute	1	ARE 201 Intro to Ag & Resource Econ ^C	3
CS 111 Field Crop Production	4	MA 103 Topics in Contemporary Mathematics ^A	3
ENT 1** ENT 100-Level Restricted Elective	3	CS 1** CS 100-Level Elective ³	2 or 3
MAA 102 Math in Ag. & Related Sciences ²	3	***** 100-Level Free Elective ⁴	5 or 6
ANS 101 Intro to Animal & Poultry Industries	3	CHOOSE 3 Credits from the following	
WRT 111 Expository Writing ^{E.1}	3	ANS 1** ANS 100-Level Elective ⁵	3
		BAE 123 Light Equipment ⁶ PO 1** PO 100-Level Elective ⁵	3
	<i>Total:17</i>		<i>Total:16-18</i>
SOPHOMORE YEAR		CREDITS	
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ARE 112 Ag & Agribusiness Marketing ⁷	3	ARE 104 Agribusiness Management	3
ARE 115 Agribusiness Accounting	3	ARE 133 Agricultural & Env Policy ⁷	3
SSC 112 Principles of Soil Science	4	CS 1** CS 100-Level Elective ³ SOC 203Current	1-3
WRT 114 Prof Writing, Res and Reporting	3	Social Problems ^C	3
CHOOSE 3-5 from the following		HES_*** Health & Exercise Studies ^D	1
ANS 1** ANS 100-Level Elective ⁵	3	***** Humanities Elective ^B	3
BAE 133 Tractors ⁶	4	***** 100-Level Elective ⁴	0-2
CS 1** CS 100-Level Elective ³	1 or 2		
PO 1** PO 100-Level Elective ⁵	3		
***** 100 Level Free Elective ⁴	1 or 2		
	<i>Total:16-18</i>		<i>Total:14-18</i>

Minimum Credit Hours Required for Graduation*: 64

Major/Program Footnotes:

- ¹ WRT 111 and WRT 114 must be completed with a C-minus or higher grade for transfer to an NC State baccalaureate program.
- ² MAA 102 must be completed with a C- minus or higher grade.
- ³ See Degree Audit for Crop Science Elective Requirements.
- ⁴ See Degree Audit for ENT Elective Requirements.
- ⁵ See Degree Audit for ARE Elective Requirements.
- ⁶ See Degree Audit for ANS/PO Elective Requirements.
- ⁷ If BAE 123 is taken, student must take one additional credit hour of free electives.

*** General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirement for graduation and the General Education Program, the following category credit hours must be satisfied. University

approved GEP course lists for each of the following categories can be found at <http://oucc.ncsu.edu/gep-courses>.

- A. **Mathematical Sciences** (3 credit hours) MA 103 fulfills the 3 credits of Mathematical Sciences.
- B. **Humanities/Fine Arts** (3 credit hours)
Choose from the University approved GEP Humanities or Fine Arts course list
- C. **Social Sciences** (6 credit hours) ARE 201 and SOC 203 fulfill 6 credits of Social Science GEP.
- D. **Health and Exercise Studies** (1 credit hour)
Choose from the University approved GEP Health & Exercise Studies course list
- E. **Introduction to Writing** (6 credit hours satisfied to by completing WRT 111 and WRT 114)

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X Proposed Effective Semester: **Fall 2015**

DEGREE TITLE: A.A.S General Agriculture

CONCENTRATION TITLE: n/a

CURRENT DEGREE KEY: GA

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AGI 101 Intro to the Agricultural Institute	1	WRT 114 Prof Writing, Res and Reporting	3
CS 111 Field Crop Production	4	MA 103A Topics in Contemporary Mathematics ^A	3
ENT 1** ENT 100-Level Restricted Elective	3	CS 1** CS 100-Level Elective³	3
MAA 102 Math in Ag. & Related Sciences ²	3	ARE 115 Agribusiness Accounting	3
ANS 101 Intro to Animal & Poultry Industries	3	***** 100-Level Free Elective ⁴	3
WRT 111 Expository Writing ^{E,1}	3	CHOOSE 3 Credits from the following	3
		ANS 1** ANS 100-Level Elective ⁵	
		BAE 123 Light Equipment ⁶ PO 1** PO 100-Level Elective ⁵	
	<i>Total:17</i>		<i>Total:18</i>
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ARE 112 Ag & Agribusiness Marketing ⁷	3	ARE 104 Agribusiness Management	3
ARE 201A Intro to Ag & Resource Econ ^C	3	ARE 133 Agricultural & Env Policy ⁷	3
SSC 112 Principles of Soil Science	4	CS 191 Field Crop Seminar	2
SOC 203 Current Social Problems^C OR	3	***** 100-Level Free Elective ⁴	3-4
SOC 241A Sociology of Ag. And Rural Society		HES_*** Health & Exercise Studies ^D	1
CHOOSE 2-5 credits from the following	2-5	***** Humanities Elective ^B	3
ANS 1** ANS 100-Level Elective⁵			
BAE 133 Tractors⁶			
CS 1** CS 100-Level Elective³			
PO 1** PO 100-Level Elective⁵			
***** 100 Level Free Elective⁴			
	<i>Total:12-18</i>		<i>Total:12-16</i>

Minimum Credit Hours Required for Graduation*: 64

Major/Program Footnotes:

- ¹ WRT 111 and WRT 114 must be completed with a C-minus or higher grade for transfer to an NC State baccalaureate program.
- ² MAA 102 must be completed with a C- minus or higher grade.
- ³ Choose from CS 121, CS 122, CS 151, CS 152, CS 154, CS 155, CS 162, CS 163, CS 164, CS 165, CS 166, CS 167, or CS 190
- ⁴ See Degree Audit for ENT Elective Requirements.
- ⁵ See Degree Audit for ARE Elective Requirements.
- ⁶ See Degree Audit for ANS/PO Elective Requirements.
- ⁷ If BAE 123 is taken, student must take one additional credit hour of free electives.

*** General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirement for graduation and the General Education Program, the following category credit hours must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://oucc.ncsu.edu/gep-courses>.

- A. **Mathematical Sciences** (3 credit hours) MA 103 fulfills the 3 credits of Mathematical Sciences.
- B. **Humanities/Fine Arts** (3 credit hours)
Choose from the University approved GEP Humanities or Fine Arts course list
- C. **Social Sciences** (6 credit hours) ARE 201, **SOC 203d and SOC 241** fulfill 6 credits of Social Science GEP.

CURRICULUM REQUIREMENTS**Format B**

<u>Degree/Plan Title:</u> Associate of Applied Science in Field Crop Technology 11FCTAAS	<u>Plan SIS Code:</u>
Concentration/Subplan Title: <input type="text"/>	Subplan SIS Code: <input type="text"/>
<u>Indicate requirements status:</u> Current: Proposed: X <u>Proposed</u> Effective Semester: Fall 2015	
<u>New Degree Audit required?</u> (Y or N) N	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses which represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	<i>GEP category, if applicable</i>
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
MAA 102	3	
MA 103A	3	
ARE 115	3	
ARE 201A	3	
SOC 203A or 241A	3	
CS 111	4	
CS 152	3	
CS 162	1	
CS 163	1	
CS 164	1	
CS 165	1	
CS 166	1	
CS 167	1	
CS 191	2	
SSC 112	4	
SSC 151	3	
ENT 110 or 121	3	
ARE Elective (ARE 112, ARE 113, ARE 114, ARE 132, ARE 133, ARE 141 or ARE 194)	3	
BAE 133	4	
<u>Concentration Courses/Groups/Electives:</u> <input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Free Electives:</u>	6	Any 100-level course offered by AGI
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	53 hours	
COLLEGE REQUIREMENTS:		

Orientation Course(s): CS 101	1	
Other:		
Total credit hours under College Requirements:	1 Hour	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u>		At least one of the following must be listed:
<i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category may not be subset to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i>		1 Choose course(s) from the University Approved GEP course list for this category.
<i>Specific courses should not be listed in any of the fields below other than ENG 101.</i>		2 Minimum requirements are satisfied by Major/College course requirements.
		3 Major/College course requirement satisfies X credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
		4 Co-requisite is satisfied by a Major/College course requirement.
		5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts.
		6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: Minimum 39-40 hrs	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 1, 2 or 3)
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 1, 2 or 3)
Composition (C- or better required) (6 credits)	6	WRT 111 and 114
Humanities (3 credits) (Courses from two different disciplines) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	3	Choose course from the University Approved GEP course list for this category.
Social Sciences (6 credits) (Courses from two different disciplines) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 1, 2 or 3)
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 5 or 6)
Interdisciplinary Perspectives (5 credits) Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.	X	(Choose statement 1, 2 or 3)
Health and Exercise Studies (1 credit)	1	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	10 hours	
GEP Co-Requisites:		Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.
U.S. Diversity co-requisite (USD)	n/a	(Choose statement 1 or 4)
Global Knowledge co-requisite (GK)	n/a	(Choose statement 1 or 4)

Foreign Language Proficiency	n/a	Proficiency at the FL_102 level required.
The following requirements must be satisfied within the College/Program:	<input type="checkbox"/>	Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)	<input type="checkbox"/>	Satisfied by College/Program Requirements
Technology Fluency	<input type="checkbox"/>	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	64 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.



College of Agriculture and Life Sciences
Department of Crop Science

Campus Box 7620
Williams Hall
Raleigh, NC 27695-7620
P: 919.513.2034

March 11, 2015

MEMORANDUM

TO: University Courses and Curricula Committee (UCCC)

FROM: Dr. Jeff Mullahey, Department Head
Emily Erickson, Lecturer
Department of Crop Science

SUBJECT: Changes in Changes in Field Crops Semester-by-Semester Display

The Department of Crop Science teaching faculty requests to change the Field Crops semester-by-semester displays to eliminate course scheduling conflicts, as well as allowing the option of SOC 241A in addition to SOC 203A.

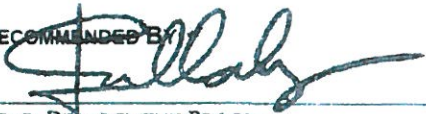
We request these changes be effective as of Fall 2015.

SIGNATURE PAGE

COURSE ACTION FOR MEMO FOR CHANGE TO

FCT four semester display
and curriculum

RECOMMENDED BY:



HEAD, DEPARTMENT/PROGRAM

3-16-2015

DATE

ENDORSED BY:

Elyshia Wilson
Muh O'Malley

3/20/15

3/20/15

CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE

DATE

Samuel L. Pambue

3/29/15

COLLEGE DEAN

DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE

DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION

DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA)

DATE

APPROVED EFFECTIVE DATE SEPT, 2014

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: X Proposed: Proposed Effective Semester

DEGREE TITLE: A.A.S Field Crops Technology

CONCENTRATION TITLE: n/a

CURRENT DEGREE KEY: FCT

FRESHMAN YEAR		CREDITS	
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
WRT 111 Expository Writing ^{E,1}	3	WRT 114 Prof Writing, Res & Reporting ^{E,1}	3
MAA 102 Math in Ag & Related Sci. ²	3	MA 103 Topics in Contemp Math ^A	3
CS 101 FCT and TGM Orientation	1	CS 162 Flue-Cured Tobacco Production	1
CS 111 Field Crops Production	4	CS 166 Corn Production	1
SSC 112 Principles of Soil Science	4	CS 167 Small Grain Production	1
		SSC 151 Fertilizers & Soil Fertility	3
		HES_*** Health & Exercise Studies ^D	1
		***I** Elective ²	3
	<i>Total:15</i>		<i>Total:16</i>
SOPHOMORE YEAR		CREDITS	
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ARE 201A Intro to Ag & Resource Econ ^C	3	ARE 115 Agribusiness Accounting	3
BAE 133 Ag Tractors & Machinery	4	ARE ***ARE Elective	3
CS 152 Weed Control in Field Crops	3	CS 191 Field Crops Seminar	2
CS 163 Peanut Production	1	SOC 203 Current Social Problems ^C	3
CS 164 Soybean Production	1	*****Free Elective	3
CS 165 Cotton Production	1	*****Humanities Elective ^B	3
ENT 110 General Entomology <i>OR</i>	3		
ENT 121 Pesticides & Their Utilization			
	<i>Total:16</i>		<i>Total:17</i>

Minimum Credit Hours Required for Graduation*: 64

Major/Program Footnotes:

Major/Program Footnotes:

¹ WRT 111 and WRT 114 must be completed with a C-minus or higher grade for transfer to an NC State baccalaureate program.

² MAA 102 must be completed with a C- minus or higher grade.

*** General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirement for graduation and the General Education Program, the following category credit hours must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://oucc.ncsu.edu/gep-courses>.

A. **Mathematical Sciences** (3 credit hours) MA 103 fulfills the 3 credits of Mathematical Sciences.

B. **Humanities/Fine Arts** (3 credit hours)

Choose from the University approved GEP Humanities or Fine Arts course list

C. **Social Sciences** (6 credit hours) ARE 201 and SOC 203 fulfill 6 credits of Social Science GEP.

D. **Health and Exercise Studies** (1 credit hour)

Choose from the University approved GEP Health and Exercise Studies course list

E. **Introduction to Writing** (6 credit hours satisfied to by completing WRT 111 and WRT 114)

FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: X Proposed Effective Semester: **Fall 2015**

DEGREE TITLE: A.A.S Field Crops Technology

CONCENTRATION TITLE: n/a

CURRENT DEGREE KEY: FCT

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
WRT 111 Expository Writing ^{E,1}	3	WRT 114 Prof Writing, Res & Reporting ^{E,1}	3
MAA 102 Math in Ag & Related Sci. ²	3	MA 103A Topics in Contemp Math ^A	3
CS 101 FCT and TGM Orientation	1	CS 162 Flue-Cured Tobacco Production	1
CS 111 Field Crops Production	4	CS 166 Corn Production	1
SSC 112 Principles of Soil Science	4	CS 167 Small Grain Production	1
		SSC 151 Fertilizers & Soil Fertility	3
		HES *** Health & Exercise Studies ^D	1
		***1** Elective ²	3
	<i>Total:15</i>		<i>Total:16</i>
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ARE 115 Agribusiness Accounting	3	ARE 201A Intro to Ag & Resource Econ ^C	3
BAE 133 Ag Tractors & Machinery	4	ARE ***ARE Elective	3
CS 152 Weed Control in Field Crops	3	CS 191 Field Crops Seminar	2
CS 163 Peanut Production	1	SOC 203 Current Social Problems ^C OR	
CS 164 Soybean Production	1	SOC 241A Sociology of Ag. And Rural Society	3
CS 165 Cotton Production	1	*****Free Elective	3
ENT 110 General Entomology OR	3	*****Humanities Elective ^B	3
ENT 121 Pesticides & Their Utilization			
	<i>Total:16</i>		<i>Total:17</i>

Minimum Credit Hours Required for Graduation*: 64

Major/Program Footnotes:

Major/Program Footnotes:

¹ WRT 111 and WRT 114 must be completed with a C-minus or higher grade for transfer to an NC State baccalaureate program.

² MAA 102 must be completed with a C- minus or higher grade.

*** General Education Program (GEP) requirements and GEP Footnotes:**

To complete the requirement for graduation and the General Education Program, the following category credit hours must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://oucc.ncsu.edu/gep-courses>.

A. **Mathematical Sciences** (3 credit hours) MA 103 fulfills the 3 credits of Mathematical Sciences.

B. **Humanities/Fine Arts** (3 credit hours)

Choose from the University approved GEP Humanities or Fine Arts course list

C. **Social Sciences** (6 credit hours) ARE 201, SOC 203, SOC 241 fulfill 6 credits of Social Science GEP.

D. **Health and Exercise Studies** (1 credit hour)

Choose from the University approved GEP Health and Exercise Studies course list

E. **Introduction to Writing** (6 credit hours satisfied to by completing WRT 111 and WRT 114)

CURRICULUM REQUIREMENTS

Format B

<u>Degree/Plan Title:</u> Associate of Applied Science in Field Crop Technology	<u>Plan SIS Code:</u> 11FCTAAS
<u>Concentration/Subplan Title:</u>	<u>Subplan SIS Code:</u>
<u>Indicate requirements status:</u> Current: Proposed: X	<u>Proposed Effective Semester:</u> Fall 2015
<u>New Degree Audit required?</u> (Y or N) N	
<u>Critical Path Courses</u> - Identify using the code (CP) which courses are considered critical path courses which represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.	

MAJOR FIELD OF STUDY REQUIREMENTS:	Credit Hours	GEP category, if applicable
<i>Required Courses/Groups/ Electives:</i>		
Indicate if course or course groupings have a C-wall or MGPA requirement and which are considered Critical Path courses – indicate with (CP) next to applic. course.		List GEP category and hours satisfied by a Major requirement
MAA 102 (CP)	3	
MA 103A	3	
ARE 115	3	
ARE 201A	3	
SOC 203A or 241A	3	
CS 111	4	
CS 152	3	
CS 162	1	
CS 163	1	
CS 164	1	
CS 165	1	
CS 166	1	
CS 167	1	
CS 191	2	
SSC 112	4	
SSC 151	3	
ENT 110 or 121	3	
ARE Elective (ARE 112, ARE 113, ARE 114, ARE 132, ARE 133, ARE 141 or ARE 194)	3	
BAE 133	4	
<u>Concentration Courses/Groups/Electives:</u>		
<u>Free Electives:</u>	6	Any 100-level course offered by AGI
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	53 hours	
COLLEGE REQUIREMENTS:		

Orientation Course(s): CS 101	1	
Other:		
Total credit hours under College Requirements:	1 Hour	

<u>NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS</u>		At least one of the following must be listed:
<p><i>Courses in the Major and/or Minor may also fulfill a General Education requirement; however, a GEP category <u>may not be subset</u> to require a specific course from the category list. Required courses must be listed in the Major/College requirements.</i></p> <p><i>Specific courses should not be listed in any of the fields below other than ENG 101.</i></p>		<ol style="list-style-type: none"> 1 Choose course(s) from the University Approved GEP course list for this category. 2 Minimum requirements are satisfied by Major/College course requirements. 3 Major/College course requirement satisfies <u>X</u> credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category. 4 Co-requisite is satisfied by a Major/College course requirement. 5 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. 6 Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements: <i>Minimum 39-40 hrs</i>	<i>Credit hours</i>	<i>How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)</i>
Mathematical Sciences (6 credits) (At least 1 course with MA or ST prefix) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3)
Natural Sciences (7 credits) (At least 1 lab course or course with a lab) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3)
Composition (C- or better required) (6 credits)	6	WRT 111 and 114
Humanities (3 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	Choose course from the University Approved GEP course list for this category.
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3)
Additional Breadth (3 credits) (Choose approach that is different from the approach of the Major) <i>Major/College requirements cannot satisfy this requirement and an AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 5 or 6)
Interdisciplinary Perspectives (5 credits) <i>Course(s) in the Major may double-count to satisfy this requirement and also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	X	(Choose statement 1, 2 or 3)
Health and Exercise Studies (1 credit)	1	Choose course(s) from the University Approved GEP course list for this category.
Total credit hours needed to complete GEP that are not satisfied as part of the Major/College requirements.	10 hours	
GEP Co-Requisites:		<i>Courses taken in the Major, GEP, or Minor may double-count to fulfill the co-requisites. Courses that satisfy the U.S. Diversity or Global Knowledge co-requisite are marked on course lists with a "USD" or "GK" indicator.</i>
U.S. Diversity co-requisite (USD)	n/a	(Choose statement 1 or 4)
Global Knowledge co-requisite (GK)	n/a	(Choose statement 1 or 4)
Foreign Language Proficiency	n/a	Proficiency at the FL_102 level required.

The following requirements must be satisfied within the College/Program:		Place an X in the credit hour box to indicate below that the requirement is "Satisfied by College/Program Requirements"
Communication in the Major (Advanced Communication)		Satisfied by College/Program Requirements
Technology Fluency		Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	64 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.

CE 444 An Introduction to Foundation Engineering

This course has been entered and approved via the CIM approval system. To view this course, please [CLICK HERE](#).

HI 254 Modern American History

This course has been entered and approved via the CIM approval system. To view this course, please [CLICK HERE](#).

NC STATE UNIVERSITY

Department of History
Campus Box 8108
Raleigh, NC 27695-8108

919.515.2483
919.515.3886 (fax)

MEMORANDUM

TO: University Courses and Curricula Committee (UCCC)

FROM: David Zonderman, Interim Head, History

DATE: February 26, 2015

SUBJECT: HI 254 - Addition to History major requirement

This memo requests a minor action change to include, once approved by UCCC, the new course, HI 254 (Modern American History) as an elective course for the History degrees and the Humanities & Social Sciences history requirement.

History, 16HISTBA, SUM 2'09

Requirement 000020831, History II & History Breadth, in the American History list.

History, 16HISTBS, SUM 2'09

Requirement 000024395, History II & History Breadth, 16LSH 2097 OPT150, in the American History list.

College BA Requirement 000019313, History II, 16ABY 2097 GRP502

College BS Requirement 000024520, History, 16LSL 2097 GRP525

Effective 8/15.

SIGNATURE PAGE

RECOMMENDED BY:

[Signature] 2/27/15
HEAD, DEPARTMENT/PROGRAM DATE

ENDORSED BY:

[Signature] 3/30/15
CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE DATE

[Signature] 4/2/15
COLLEGE DEAN DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA) DATE

APPROVED EFFECTIVE DATE _____

HI 360 U.S. Agricultural History

This course has been entered and approved via the CIM approval system. To view this course, please [CLICK HERE](#).

SW 260 Introduction to Gerontology: An Interdisciplinary Field of Practice

This course has been entered and approved via the CIM approval system. To view this course, please [CLICK HERE](#).

LPS 302 Diversity and Leadership in the Public Sector

This course has been entered and approved via the CIM approval system. To view this course, please [CLICK HERE](#).