

University Courses & Curricula Committee 2016-2017

 February 22th, 2017
 Talley Student Union 4140
 12:45pm-2:45pm

Call to Order 12:45pm

- Welcome and Instructions, Chair Andy Nowel
- Remarks from Associate Vice Provost, Dr. Barbara Kirby
- Remarks from Vice Chancellor and Dean Dr. Mike Mullen
- Approval of UCCC February 8th, 2017 Minutes
- Course and Curricular Business

Old Business

Action	Reviewers	Type	Notes
FOR 408/(508) Hardwood Management	Hergeth, Orphanides, Rieder	New Course, Dual Level	Previously Tabled at November 2, 2016 UCCC meeting

New Business

Consent Agenda		
Action	Type	Notes
MSE 301 Introduction to Thermodynamics of Materials	Revision	Revising: Prerequisites
PB 250 Plant Biology	Revision	Revising: Prerequisites, Description (requisites listed)
17MBIOBS, 17MBIOBS-17MBIOHS, 17BIOSCBS-17BIOSCHB, 17ZOOBS, 17BIOSCBS-17BIOSCEEC, 17MBIOBS All Sub-plans	Revisions	MB Courses being added to various elective lists

College of Engineering			
Presenter	Reviewers	Action	Type
Ferguson	Tarpy, Banks, Wu	MSE 300 Structure of Materials at the Nanoscale	Revisions: SLO, description, prerequisites

College of Sciences			
Presenter	Reviewers	Action	Type
Banks	Beller, Hessling, Klesath	BIO 240 Principles of Human Anatomy & Physiology (A): Nervous, Skeletal, Muscular, & Digestive Systems	New Course.
Banks	Orphanides, Lindsay, Trivedi	BIO 245 Principles of Human Anatomy & Physiology (B): Endocrine, Cardiovascular, Respiratory & Renal Systems	New Course.
Banks	Hergeth, Driscoll, Rieder	BSC 295 Special Topics in Biological Sciences	Revisions: updating grading options to include letter grade
Klesath	Despain, Harper, Young	BSC 303 Transfer Student Transitions	New Course.
Klesath	Peretti, Ferguson, Fath	BSC 495 Special Topics in Biological Sciences	Revisions: updating grading options to include letter grade
Klesath	Hessling, Fath, Podurgal	BA Biological Sciences 17BIOBA	Revision

College of Textiles			
Presenter	Reviewers	Action	Type
Hergeth	Peretti, Ferguson, Rieder	Textile Technology Minor (18TTM)	Revisions: prerequisites, to align with curriculum update

College of Natural Resources			
Presenter	Reviewers	Action	Type
Lindsay	Hessling, Despain, Tarp	PSE 295 Special Topics in Paper Science & Engineering	Revisions: adding graded option

Poole College of Management			
Presenter	Reviewers	Action	Type
Podurgal	Driscoll, Banks, Wu	BUS 461 Channel and Retail Management	Revisions: Title, grading, description, SLO
Podurgal	Lindsay, Tropy, Beller	BUS 465 Traditional and Digital Brand Promotion	Revisions: Title, grading, description, SLO
Podurgal	Harper, Trivedi, Driscoll	Accounting No Concentration 20ACCNC	New subplan
Podurgal	Hergeth, Lindsay, Harper	Management First Year	Revisions (old Management Undeclared)

College of Agriculture and Life Sciences			
Presenter	Reviewers	Action	Type
Trivedi	Young, Beller, Klesath	ANS 150 Introduction to Animal Science	Revising: Description, requisites, SLO
Trivedi	Banks, Peretti, Young	ANS 151 Introduction to Animal Science Lab	Revising: Description, grading method, requisites, SLO
Tarp	Ferguson, Orphanides, Fath	PO 215 Applied Avian and Aquaculture Nutrition	New Course.
Tarp	Hessling, Rieder, Despain	BS Agricultural Sciences	Revising

University College			
Presenter	Reviewers	Action	Type
Beller	Banks, Trivedi, Podurgal	EI 100 Entrepreneurial Thinking in the Albright Entrepreneurs Village	New Course
Beller	Ferguson, Wu, Driscoll	HON 313 Reading Machines	New Course
Fath	Despain, Klesath, Rieder	HON 340 Religion and Freedom	New Course
Fath	Young, Banks, Lindsay	MUS 210 Introduction to Popular Music: 1950s-1970s	Revisions: Title, description, SLO
Fath	Peretti, Harper, Podurgal	MUS 211 Introduction to Popular Music: 1980s-present	Revisions: Title, description, SLO

SLO = Student Learning Outcomes

Discussion: Feedback for Syllabus Availability.

Notes:

- All linked course actions are viewable in CIM.
- To view actions, please click on the hyperlink. You may need to use your Unity ID to log in.
- If you experience issues logging in, please go to <https://next-catalog.ncsu.edu/courseadmin/> and type the course prefix and number into the search bar.

University Courses and Curricula Committee

February 8th, 2017
Talley Student Union 4140
Call to Order: 12:46 pm

Members Present: Chair Andy Nowel, Amanda Beller, Scott Despain, Catherine Driscoll, Mian Wu, Elizabeth Fath, Andreas Orphanides, Kathleen Rieder, Helmut Hergeth, Edwin Lindsay, Richard Podurgal, Daniel Harper, Greg Young, Marta Klesath, Peter Hessling, David Tarpy,

Members Absent: Michael Robinson, Alton Banks, Shweta Trivedi, Steven Peretti, Scott Ferguson,

Guest: Natalie Cooke, Jane Lubischer

Ex-Officio Members Present: Li Marcus, Lexi Hergeth, Charles Clift, Melissa Williford, John Harrington, Kyle Pysher

WELCOME AND INTRODUCTIONS

- **Remarks from Chair**—Chair Andy Nowel introduced the proxy and guest and reminded members that the subcommittee will meet after the meeting.
- **Approval of the Minutes from January 25th 2017** – Approved Unanimously
 - Discussion: Member Edwin Lindsey moved to approve. Minutes from the previous meeting were presented and approved without further discussion.

NEW BUSINESS

- **Consent Agenda**—Approved Unanimously
Discussion: Member Scott Despain moved to approve. Member asked for confirmation that the ENG courses on the consent agenda are a part of the ENG curricula reform; confirmed by a committee member from Humanities and Social Sciences.
- **ANS 105 Introduction to Companion Animals** - Approved Unanimously
Discussion: Member David Tarpy presented the course. Font within the syllabus was mentioned as it is different than the usual Arial or Times New Roman. Another member confirmed that a new syllabus was sent with more standard font.
- **NTR 210 Introduction to Community Food Security** – Approved Pending
Discussion: Member David Tarpy presented the course. Guest spoke about the structure of the course and the students' ability to relate the information to their individual major. Member brought up service learning standards as being 5 hours of service to an organization per 1 credit hour. Guest confirmed the number of service learning hours will be brought to 15 to be in compliance.
- **Certificate in Food Safety and Quality Management** - Approved Unanimously
Discussion: Member David Tarpy presented the curricular action. No further discussion.
- **Nutrition Minor 11NTM** –Approved Unanimously
Discussion: Member David Tarpy presented the curricula action. No further discussion.
- **ENG 275 Literature and War** - Approved Pending
Discussion: Member Scott Despain presented the course. Member brought attention to the grading method on page 4 of the syllabus where there is a grading basis specifically for papers that has a maximum grade of a 95%/A and no A+. Members discussed the possibility of changing the grading to include the possibility of an A+ as the current grading basis for papers could potentially create difficulty for students to move from one grade range to another. Chair reminded the committee that the professor has purview to choose to allow whether or not to offer an A+ grade. Member made the friendly suggestion to clarify to students that an A+ is not an option so that they know this when entering the course. Member discussed the learning outcome that indicates critical frames and asked if this is critical thinking and if it is suggested making the intellectual standards of critical thinking clear in the syllabus. Course was approved pending the addition of a statement clarifying if earning an A+ is a possibility in the separate grading scale for papers. A friendly suggestion that this separate grading methods for papers is not something the committee would like to endorse was

made along with the suggestion to include the intellectual standards of critical thinking to the student learning outcomes.

➤ **PHI 347 Neuroscience and Philosophy- Approved Unanimously**

Discussion: Member Scott Despain presented the course. No further discussion.

➤ **SW 201 Introduction to Social Work- Approved Pending**

Discussion: Member Catherine Driscoll presented the course. Member asked if the service learning attribute should be in the syllabus. Li Marcus confirmed that this course already had the service learning attribute in SIS and OUCCAS would fix the listing in CIM to reflect that. Members and representatives from Registration and Records discussed changing the title of the course for the Spring semester, this could cause errors because census date has already passed. Presenter explained that this course has been in the process of changing for a year which has complicated the effective date. R&R representatives confirmed the title change could be retroactively changed for the Spring 2017 semester. Presenter explained that the primary concern is the USD GEP credit which will be discussed in CUE. Members confirmed that voting to approve the course pending the credit / component hours clarification.

➤ **BIO 432 Evolutionary Medicine- Approved Unanimously**

Discussion: Member Marta Klesath presented the course. No further discussion.

➤ **LSC 205 Class Assistant Experience- Approved Pending**

Discussion: Member Marta Klesath presented the course. Member asked if assistants would serve similar to Teaching Assistants because they have access to the Moodle site. Guest Jane Lubischer responded that student would be class assistants operating under the supervision of an instructor of record, which matches practices in other departments in the University. Member asked if the 3 unexcused absences indicated in the syllabus means that students can have unlimited excused absences. Guest Jane Lubischer responded that unlimited excused absences will not be allowed. Member asked if this was a way for students to TA and be paid in credit hours instead of monetarily, guest responded this was not the case and provided examples of the types of pedagogy. This course is a specialized learning experience providing training and guided education for enrolled students and interaction with first year students; the course provides experience facilitating what goes on in a classroom. Member brought attention to a missing class in the course schedule, guest responded that the calendar committee had insured the number of meetings. Member and guest discussed clarity about the number of class meetings and agreed that the week listed as during a break would be corrected to reflect a missing class meeting. Committee confirmed listing the weeks without specific dates and the relating topics is acceptable – UCCC reviews that the general number of meetings is correct for the credit/contact hour ratio and that topics are spread among a logical period of time. Guest confirmed she is willing to add the class to the schedule in compliance with the required contact time. Pending adjustments to the topic schedule.

Discussion: Subcommittee agreed not to meet, but to have comments on existing resources ready for the next meeting after UCCC.

Meeting adjourned at 1:43 pm

Respectfully submitted by Lexi Hergeth

NC STATE UNIVERSITY

TO: Office of the Dean for Academic and Student Affairs
FROM: Jonathan Olson, Director of Microbiology Undergraduate Programs
RE: Minor Action for adding MB courses to several electives lists in our undergraduate curricula
DATE: 5 January, 2017

Proposed effective date: 1 March 2017

Proposed changes and justification

This minor action proposes to

(1) add *MB 435 Bacterial Pathogenesis* to the following electives list:

Microbiology Electives in 17MBIOBS (no sub-plan)

(2) add *MB 470 Emerging and Re-emerging Infectious Diseases* to the following elective lists:

Microbiology Electives in 17MBIOBS (no sub-plan)

Microbial Health Electives in 17 MBIOBS 17MBIOHS

HB Electives in 17BIOSCBS 17BIOSCHB

Zoology Electives in 17ZOOBS

EEC Electives in 17 BIOSCBS 17BIOSCEEC

(3) add *MB 360 Scientific Inquiry in Microbiology: At the Bench* to the following electives lists:

Laboratory Electives in all 17MBIOBS curricula (including all sub-plans)

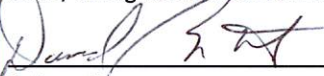
SIGNATURES (AS REQUIRED):

 2/2/17

Head, Department/Program Date

 2/6/17

Chair, College Curriculum Committee Date

 2/6/17

College Dean Date

Chair, University Courses & Curricula Committee Date

Dean, Academic and Student Affairs Date

PROPOSED EFFECTIVE DATE: 1 March 2017

APPROVED EFFECTIVE DATE: _____

NC STATE UNIVERSITY

TO: Office of the Dean for Academic and Student Affairs
FROM: Jane Lubischer, Assistant Department Head
RE: updates to the 17BIOBA curriculum
DATE: 16 January, 2017

Proposed effective date: 1 March 2017

Proposed changes and justification

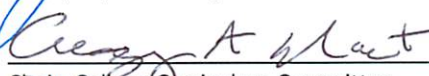
This minor action proposes to update the **17BIOBA** curriculum in light of new courses, newly discovered courses, and a better understanding of some course offerings. The proposed changes are summarized in the table below.

List/requirement	Action	Course
Life Sciences Electives	add	ANT 251 Physical Anthropology ANT 371 Human Variation BIO 240 Principles of Human Anatomy & Physiology (A) – in progress BIO 245 Principles of Human Anatomy & Physiology (B) – in progress BIO 432 Evolutionary Medicine -- course action in progress BIO 434 Hormones and Behavior BIO 440 The Human Animal: An Evolutionary Perspective BSC 478 Research Fundamentals in Biological Sciences FW 444 Mammalogy GN 456 Epigenetics, Development, and Disease MA 331 Differential Equations for the Life Sciences MA 432 Mathematical Models in Life and Social Sciences MB 470 Emerging and Re-emerging Infectious Diseases NTR 454 Lactation, Milk and Nutrition TOX 401 Principles of Toxicology TOX 415 Environmental Toxicology and Chemistry
Life Sciences Electives	remove	MEA 323 Earth Systems Chemistry NTR 330 Public Health Nutrition

SIGNATURES (AS REQUIRED):


Head, Dept of Biological Sciences

1/27/17
Date


Chair, College Curriculum Committee

2/6/17
Date


College of Sciences Dean

2/6/17
Date

Chair, University Courses & Curricula Committee Date

PROPOSED EFFECTIVE DATE: 1 March 2017

Dean, Academic and Student Affairs

Date

APPROVED EFFECTIVE DATE: _____

CURRENT CURRICULUM REQUIREMENTS

Format B – GEP 2009

Degree Title: Bachelor of Arts in Biological Sciences (17BIOBA)
Current Degree Key: none
Effective Date: Summer 2015

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	GEP category, if applicable
<p>Indicate if course or course groupings have a C-wall or MGPA requirement</p> <p><u>Required Courses</u></p> <p>†LSC 101 Critical & Creative Thinking in the Life Sciences 2 Interdisciplinary Perspectives (2 hours)</p> <p>†LSC 103 Exploring Life Science Disciplines 1</p> <p>†BIO 181 Introductory Biology I 4 Natural Sciences (4 hours)</p> <p>†BIO 183 Introductory Biology II 4 Natural Sciences (3 hours)</p> <p>†CH 101 Chemistry – A Molecular Science 3</p> <p>†CH 102 General Chemistry Lab 1</p> <p>²CH 220 Introductory Organic Chemistry and Lab 4</p> <p>(or CH 221/222)</p> <p>†¹MA 121 Elements of Calculus (or MA 131 or MA 141) 3 Mathematical Sciences (3 hours)</p> <p>¹⁰PY 131 Conceptual Physics 4</p> <p>(or PY 133 or PY 211)</p> <p>⁵Statistics 3 Mathematical Sciences (3 hours)</p> <p>(ST 305 or ST 311 or ST/BUS 350)</p> <p>†C- or better required in these courses</p> <p>⁶Advanced Communication Requirement 6 Communication in the Major requirement</p> <p>⁷Life Science Electives 25</p> <p>(at least 19 hours at the 300 level or higher)</p> <p>⁸Cross Discipline Electives (Advised) 21</p> <p>(at least 15 hours at the 300 level or higher)</p> <p>¹¹Experiential Learning Requirement 3</p> <p>Senior Capstone Project (BIO 481) 1</p>		
<p>Free Electives:</p> <p>⁹Free Electives 12</p>		
<p>Total credit hours under Major Field of Study: 97</p> <p><i>Minimum 27 hours required in program area.</i> hours</p>		
COLLEGE REQUIREMENTS:		
<p>Orientation Course(s):</p> <p>requirement met by Exploring Life Science Disciplines (above)</p>		
<p>Total credit hours under College Requirements: 0</p>		

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS <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> Specific courses should not be listed in any of the fields below other than ENG 101.		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 39-40 hrs</i>	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) <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>Minimum requirements are satisfied by Major course requirements.</i>
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	<i>Minimum requirements are satisfied by Major course requirements.</i>
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) used to satisfy this requirement can also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	<i>Choose courses from the University-approved GEP course list for Humanities.</i>
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) used to satisfy this requirement can also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	<i>Choose courses from the University-approved GEP course list for Social Sciences.</i>
Additional Breadth (AB) (3 credits) (Choose approach that is different from the approach of the Major) An AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.	3	<i>Choose course(s) from the University-approved GEP course lists for the Humanities/Soc Sciences/Visual & Performing Arts</i>
Interdisciplinary Perspectives (5 credits) <i>Course(s) used to satisfy this requirement can also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>Choose course from the University-approved GEP course list for Interdisciplinary Persp. LSC 101 meets the other 2 credit hours of this requirement.</i>
Physical Education/Healthy Living (2 credits) (Including one Fitness and Wellness course)	2	<i>Choose courses from the University-approved GEP course list for Physical Ed/Healthy Living.</i>
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	24 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 course from the University-approved GEP course list for U.S. Diversity.</i>
Global Knowledge co-requisite (GK)	n/a	<i>Choose course from the University-approved GEP course list for Global Knowledge.</i>

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)	X	Satisfied by College/Program Requirements
Technology Fluency	X	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	121 total hours	

PROPOSED CURRICULUM REQUIREMENTS

Format B – GEP 2009

Degree Title: Bachelor of Arts in Biological Sciences (17BIOBA)
Current Degree Key: none
Effective Date: Summer 2015

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	GEP category, if applicable
<p>Indicate if course or course groupings have a C-wall or MGPA requirement</p> <p><u>Required Courses</u></p> <p>†LSC 101 Critical & Creative Thinking in the Life Sciences 2 Interdisciplinary Perspectives (2 hours)</p> <p>†LSC 103 Exploring Life Science Disciplines 1</p> <p>†BIO 181 Introductory Biology I 4 Natural Sciences (4 hours)</p> <p>†BIO 183 Introductory Biology II 4 Natural Sciences (3 hours)</p> <p>†CH 101 Chemistry – A Molecular Science 3</p> <p>†CH 102 General Chemistry Lab 1</p> <p>²CH 220 Introductory Organic Chemistry and Lab 4</p> <p>(or CH 221/222)</p> <p>†¹MA 121 Elements of Calculus (or MA 131 or MA 141) 3 Mathematical Sciences (3 hours)</p> <p>¹⁰PY 131 Conceptual Physics 4</p> <p>(or PY 133 or PY 211)</p> <p>⁵Statistics 3 Mathematical Sciences (3 hours)</p> <p>(ST 305 or ST 311 or ST/BUS 350)</p> <p>†C- or better required in these courses</p> <p>⁶Advanced Communication Requirement 6 Communication in the Major requirement</p> <p>⁷Life Science Electives 25</p> <p>(at least 19 hours at the 300 level or higher)</p> <p>⁸Cross Discipline Electives (Advised) 21</p> <p>(at least 15 hours at the 300 level or higher)</p> <p>¹¹Experiential Learning Requirement 3</p> <p>Senior Capstone Project (BIO 481) 1</p>		
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<p>Orientation Course(s):</p> <p>requirement met by Exploring Life Science Disciplines (above)</p>		
<p>Total credit hours under College Requirements: 0</p>		

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General Education Program Requirements: <i>Minimum 39-40 hrs</i>	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) <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>Minimum requirements are satisfied by Major course requirements.</i>
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	<i>Minimum requirements are satisfied by Major course requirements.</i>
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (6 credits) (Courses from two different disciplines) <i>Course(s) used to satisfy this requirement can also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	<i>Choose courses from the University-approved GEP course list for Humanities.</i>
Social Sciences (6 credits) (Courses from two different disciplines) <i>Course(s) used to satisfy this requirement can also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	6	<i>Choose courses from the University-approved GEP course list for Social Sciences.</i>
Additional Breadth (AB) (3 credits) (Choose approach that is different from the approach of the Major) An AB course cannot be double-counted except in satisfying the Global Knowledge or U.S. Diversity co-requisites.	3	<i>Choose course(s) from the University-approved GEP course lists for the Humanities/Soc Sciences/Visual & Performing Arts</i>
Interdisciplinary Perspectives (5 credits) <i>Course(s) used to satisfy this requirement can also satisfy either the Global Knowledge or U.S. Diversity co-requisites.</i>	3	<i>Choose course from the University-approved GEP course list for Interdisciplinary Persp. LSC 101 meets the other 2 credit hours of this requirement.</i>
Physical Education/Healthy Living (2 credits) (Including one Fitness and Wellness course)	2	<i>Choose courses from the University-approved GEP course list for Physical Ed/Healthy Living.</i>
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	24 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 course from the University-approved GEP course list for U.S. Diversity.</i>
Global Knowledge co-requisite (GK)	n/a	<i>Choose course from the University-approved GEP course list for Global Knowledge.</i>

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)	X	Satisfied by College/Program Requirements
Technology Fluency	X	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	121 total hours	

DEPARTMENT(S):

TITLE OF THE MINOR:

TYPE OF PROPOSAL:

New Minor:

Revision to Minor:

Discontinuation:

PROPOSED EFFECTIVE DATE: 8/1/2017 APPROVED EFFECTIVE DATE:

1. Statement of Justification
2. Statement of Academic Minor Program Objectives
3. List of Courses constituting the Proposed Minor
4. Catalog Description of Proposed Minor
5. Administration of the Minor (Contact information for Administrator of the Minor)
6. Requirements for Admission and Completion of the Minor
7. Statement on Other Departments Likely to be Affected and Summary of Consultations with those Departments
8. *Optional*: Projected Resources and Enrollment

REQUIRED SIGNATURES:

Head, Department/Program Jeffrey J. Jones Date 1/31/17

Kristin Honey-Barletta 1/31/17
Chair, College Curriculum Committee Date

Nancy L. Cassell 1/31/17
College Dean Date

Chair, University Courses & Curricula Committee	Date
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Dean, Division of Academic and Student Affairs (DASA) Date

OTHER REQUIRED SIGNATURES AS NEEDED:

Chair, College Curriculum Committee	Date
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College Dean	Date
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1. Statement of Justification

The minor in Textile Technology is being revised to align with the curriculum and course changes previously made to the Textile Technology undergraduate program.

2. Statement of Academic Minor Program Objectives

Students will be familiar with the principles of textile technology.

Students will be familiar with design of technical textile products.

3. List of Courses constituting the Proposed Minor

Required Courses (10 credit hours)

TT 105 Introduction to Textile Technology (3cr)

TMS 211 Introduction to Fiber Science (3 cr)

TT 327 Yarn Production and Properties (4 cr)

Elective Courses (6 credit hours) Two elective courses should be selected from the following list after consultation with the minor advisor.

TT 305 Introduction to Nonwoven Products and Processes (3 cr)

TT 341 Knitted Fabric Technology (3 cr)

TT 351 Woven Products and Processes (3 cr)

Note: Students should be aware that some of these courses have prerequisites. Permission to waive prerequisites must be obtained from the course instructor after evaluation of student's academic background

4. Catalog Description of Proposed Minor

The Department of Textile Engineering Chemistry and Science offers students the opportunity to take a minor in Textile Technology. Undergraduate students enrolled in all programs at NC State University are eligible to take this minor. The minor allows students to explore the principles of textile technology and design technical textile products. Students also have the opportunity to use textile technology facilities as part of the minor.

5. Administration of the Minor (Contact information for Administrator of the Minor)

Dr. George L. Hodge, Textile Engineering, Chemistry & Science Department, 3324 College of Textiles,
phone 919 513 1636

6. Requirements for Admission and Completion of the Minor

Admission: Students seeking to pursue the Textile Technology minor should contact the Minor advisor in the College of Textiles.

Completion: 16 credit hours are required for the minor. A grade of 'C-' 'or better is required in all courses to be used towards this minor.

7. Statement on Other Departments Likely to be Affected and Summary of Consultations with those Departments:

None. The TECS department offers the courses in this minor.

Textile Technology (18TTM) Current

This Minor is currently being revised. Please contact Dr. George Hodge for more information.

Description

The Department of Textile and Apparel, Technology and Management offers students the opportunity to take a minor in Textile Technology. Undergraduate students enrolled in all programs at NC State University, except those in the Department of Textiles and Apparel, Technology and Management, are eligible to take this minor. The minor allows students to explore the principles of textile technology and design using fibrous media. Students also have the opportunity to use textile technology facilities and state-of-the-art computer aided design systems as part of the minor.

Requirements

- A total of 15 credit hours are required for the minor.
- A grade of 'C-' or better is required in all courses to be used towards this minor.

Required Courses (9 credit hours)

- TMS 211 Introduction to Fiber Science (3 cr)
- TT 221 Yarn Production and Properties (2 cr)
- TT 252 Formation and Structure of Textile Fabrics (4 cr)

Elective Courses (6 credit hours)

Elective courses should be selected from the following list after consultation with the minor advisor.

- TT 305 Introduction to Nonwoven Products and Processes (3 cr)
- TT 321 Yarn Production and Properties II (3 cr)
- TT 341 Knitted Fabric Technology (3 cr)¹ or TT 372 Knitted Textile Design (3 cr)
- TT 351 Woven Fabric Technology (3 cr)² or TT 371 Woven Textile Design (3 cr)

^{1 2} Credit will not be given for both courses

Note: Students should be aware that some of these courses have prerequisites. Permission to waive prerequisites must be obtained from the course instructor after evaluation of student's academic background.

Admissions and Certification of Minor

Students seeking to pursue the Textile Technology minor should contact the Minor advisor, Dr. George Hodge, george_hodge@ncsu.edu, in room 3326 College of Textiles.

Contact Person

George Hodge
3326 College of Textiles
919.513.1636
george_hodge@ncsu.edu

SIS Code: 18TTM

Revised Minor Textile Technology

Description

The Department of Textile Engineering Chemistry and Science offers students the opportunity to take a minor in Textile Technology. Undergraduate students enrolled in all programs at NC State University are eligible to take this minor. The minor allows students to explore the principles of textile technology and design technical textile products. Students also have the opportunity to use textile technology facilities as part of the minor.

Requirements

- A total of 16 credit hours are required for the minor.
- A grade of 'C-' or better is required in all courses to be used towards this minor.

Required Courses (10 credit hours)

TT 105 Introduction to Textile Technology (3cr)

TMS 211 Introduction to Fiber Science (3 cr)

TT 327 Yarn Production and Properties (4 cr)

Elective Courses (6 credit hours)

Two elective courses should be selected from the following list after consultation with the minor advisor.

TT 305 Introduction to Nonwoven Products and Processes (3 cr)

TT 341 Knitted Fabric Technology (3 cr)

TT 351 Woven Products and Processes (3 cr)

Note: Students should be aware that some of these courses have prerequisites. Permission to waive prerequisites must be obtained from the course instructor after evaluation of student's academic background.

Admissions and Certification of Minor

Students seeking to pursue the Textile Technology minor should contact the Minor advisor in the College of Textiles.

Contact Person

George Hodge 3324 College of Textiles
919.513.1636 george_hodge@ncsu.edu
Last Updated: January 2017



MEMO

Date: January 18, 2017
To: Dr. Barbara Kirby, Associate Vice Provost, Academic Programs & Services
From: Dr. Tamah Morant, Associate Dean, Management
Dr. Roby Sawyers, Undergraduate Program Director, Accounting
Subject: Accounting No Concentration

The Poole College of Management proposes to give student the option to pursue the Accounting degree without requiring a concentration, effective SP17. This "No Concentration" option was originally proposed in spring 2016 and this memo provides clarification and details.

Parent Degree – Accounting, 20ACCBS (CIP Code 520301)

Proposed Concentration Title – No Concentration

Proposed SIS Code – 20ACCNC

Justification Statement:

The No Concentration option is intended for students who may want flexibility in their degree to pursue minors in Business Entrepreneurship or in other disciplines, or to put together a unique set of accounting and business classes to better prepare themselves for a career. It may also be appropriate for on-campus and off-campus transfer students who have a significant number of credit hours that otherwise would not count towards the accounting degree.

Consultation: None needed

Proposed Implementation Date: Spring 2017

Matriculation Requirements: No change from previous requirements for Accounting

Enrollment History:

Accounting Majors

FA12 – 412
FA13 – 384
FA14 – 369
FA15 – 424
FA16 - 414

Accounting Degrees Awarded

FA12 – 172
FA13 – 141
FA14 – 136
FA15 – 154

Projected Enrollment:

We don't have any projected enrollment for the non-concentration. We believe that it will be particularly popular with incoming transfer students, so may reach 40-50 students a year.

Budget/Resources: No additional resources will be needed to offer this concentration as no specific additional courses are needed.

Catalog Description:

The No Concentration option in the Accounting Degree is designed for students who may want flexibility in their degree to pursue minors in Business Entrepreneurship or in other disciplines, or to put together a unique set of accounting and business classes to better prepare themselves for a career. Please consult with your advisor if you are interested in this option.

Format A (8-Semester Display): See attached document

Format B (List of Requirements): See attached document

No Concentration


ENDORSED BY:



CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE
DATE 2/10/17



UNDERGRADUATE PROGRAM DIRECTOR, ACCOUNTING
DATE 2/13/17



COLLEGE DEAN
DATE 2-10-17

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE
DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION
DATE

DEAN OF UNDERGRADUATE ACADEMIC PROGRAMS
DATE

Accounting (BS) – No Concentration: (20ACCBS-20ACCNC)

Semester Display 1-30-17 (v1.2)

FRESHMAN YEAR				
Fall Semester	Credit		Spring Semester	Credit
M 100 Professionalism, Diversity and Acad Success in Mgmt ¹	1		MA 114 Finite Math ⁷	3
ENG 101 ² or Natural Science (with Lab) ³	4		Communications ⁸ or Humanities ⁹	3
MA 121/131/141 Calculus ⁴	3		ENG 101 ² or Natural Science (with Lab) ³	4
FL_ 201 ⁵	3		EC 201 Principles of Microeconomics ¹⁰	3
MIE 201 Intro to Business Processes	3		ACC 210 Concepts of Financial Reporting ¹¹	3
HESF 1** Health & Exercise Studies Course ⁶	1			
	15			16
SOPHOMORE YEAR				
Fall Semester	Credit		Spring Semester	Credit
ACC 200 Intro to Managerial Accounting ¹¹	3		ACC 310 Intermediate Financial Accounting I ¹¹	3
Communications ⁸ or Humanities ⁹	3		BUS 340 Information Systems Management	3
BUS/ST 350 Econ Bus Statistics ¹²	3		BUS 320, 360, 370, MIE 305, 330	3
Natural Science ³	3		PSY 200 Intro. to Psychology	3
EC 202 Principles of Macroeconomics	3		Additional Breadth ¹³	3
			ST 307 Intro to Statistical Programming - SAS	1
	15			16
JUNIOR YEAR				
Fall Semester	Credit		Spring Semester	Credit
ACC 311 Intermediate Financial Accounting II ¹¹	3		ACC 330 Intro to Income Tax ¹¹	3
ACC 340 Accounting Info. Systems ¹¹	3		BUS 320, 360, 370, MIE 305, or 330 (<i>take two</i>)	6
BUS 320, 360, 370, MIE 305, 330 (<i>take two</i>)	6		Advised Elective ¹⁶	3
Advanced Writing ¹⁴	3		Free Elective ¹⁷	3
HES_ *** Health & Exercise Studies Course ¹⁵	1			
	16			15
SENIOR YEAR				
Fall Semester	Credit		Spring Semester	Credit
ACC 450 Auditing & Assurance Services ¹¹	3		Advised Elective ¹⁶	3
Advised Elective ¹⁶	3		MIE 480 Business & Policy Strategy	3
Interdisciplinary Perspectives ¹⁸	2		Free Electives ¹⁷	6
Free Electives ¹⁷	4			
Humanities ⁹	3			
	15			12
Minimum Credit Hours Required for Graduation*				120

GPA Graduation Requirements:

Overall GPA for all courses attempted at NC State must be 2.0 or higher; and
Overall GPA for all ACC courses attempted at NC State must be 2.0 or higher.

1. Students should take M 100 their first semester in the program
2. A grade of C- or better is required.
3. 7 credit hours-include one laboratory course or course with a lab from the GEP Natural Sciences list.
4. MA 131 or MA 141 are encouraged for students who qualify and aspire to take additional calculus. For students completing MA 141, one credit of MA141 will count as free elective credit.
5. Unless a placement exam is successfully completed, students are required to complete FL_ 201 – the third semester of a foreign language (through the intermediate level). Students will not receive credit for courses below 102 unless starting a language different from their high school proficiency. Students who place beyond FL_201 and choose not to take a foreign language course will have satisfied the foreign language requirement but will not receive hour credit.
6. 1 hour of Health & Exercise Studies at the 100 level.
7. MA 242 may substitute
8. COM 110, 112, or 211
9. Choose two courses from the GEP Humanities list; Students must also take one course from the Poole College of Management Ethics list- MIE 306, PHI 214, 221, 312, 375 (no credit hour requirement); If a student takes a PHI course to satisfy the Ethics requirement, it may double-count as the second humanities course provided the first course was not also a PHI course.
10. ARE 201 may substitute.
11. ACC COURSES REQUIRING “C- or C+” PREREQUISITES:

ACC 310: C+ or better in ACC 210	ACC 311: C- or better in ACC 310
ACC 330: C- or better in ACC 210	ACC 410: C- or better in ACC 210
ACC 420: C- or better in ACC 200	ACC 440: C- or better in ACC 340
ACC 450: C- or better in ACC 311	
12. ST 302, 361, 370 or 372 may substitute for BUS 350
13. Take one from the GEP Additional Breadth- Humanities/Social Sciences/Visual Performing Arts list.
14. Select one of the following courses: ENG 331 Communication for Engineering and Technology, ENG 332 Communication for Business Mgmt., or ENG 333 Communication for Science and Research.
15. 1 hour of Health & Exercise Studies. (PEC, PEF, PEH, PEO and PES courses cannot be taken to satisfy this requirement.) (HES courses may be taken credit only.)
16. Students choosing the No Concentration option should take an additional 9 credits of advised electives. Please consult with your academic advisor to select courses for this requirement (credit will not be allowed for FL 101 or 105 (in any language in which proficiency requirement is met), and MA 101, 103, 105).
17. Free elective credit will not be allowed for FL 101 or 105 (in any language in which proficiency requirement is met), and MA 101, 103, 105. ACC 495/498/499 can count for up to 6 hours of free electives. Free electives may be taken for credit only.
18. Choose one course from the GEP Interdisciplinary Perspectives list. For students completing a three-credit IP course, one credit will count in free electives.

* Students must also complete as a part of their degree requirements one course from the GEP U.S. Diversity list (no credit hour requirement) and one course from the GEP Global Knowledge list (no credit hour requirement)

CURRICULUM REQUIREMENTS

Format B

<u>Degree/Plan Title:</u> B.S. Accounting	<u>Plan SIS Code:</u> 20ACC
Concentration/Subplan Title: No Concentration	Subplan SIS Code: 20ACCNC
<u>Indicate requirements status:</u> Current: Proposed: x <u>Proposed</u> Effective Semester: Spring 2017	
<u>New Degree Audit required?</u> (Y or N) Y	
<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
Math MA 121 or 131 or 141; MA 114 (MA 114 or 242)	6	Mathematics (6 hours)
Major (non- ACC/BUS/MIE)		
Advanced Writing (ENG 331, 332, 333)	3	Advanced Communication (3 hours)
EC 201 (EC 201 or ARE 201)	3	Social Sciences (3 hours)
EC 202	3	
PSY 200	3	Social Sciences (3 hours)
FL 201	3	
Communication/Speech (COM 110, 112, 211)	3	
ST 307	1	
Major (ACC/BUS/MIE)		
BUS/ST 350 (BUS/ST 350, ST 302, 361, 370, 372)	3	Technology Fluency (3 hours)
BUS 320	3	
BUS 340	3	Technology Fluency (3 hours)
BUS 360	3	
BUS 370	3	
MIE 201	3	Interdisciplinary Perspectives (3 hours)
MIE 305	3	
MIE 330	3	
MIE 480	3	
ACC 210 (C+ or better)	3	
ACC 200 (C- or better)	3	
ACC 310 (C- or better)	3	
ACC 311 (C- or better)	3	
ACC 330 (C- or better)	3	
ACC 340 (C- or better)	3	
ACC 450	3	
<u>Concentration Courses/Groups/Electives:</u>		
Advised Electives: May not be MA 101, 103, 105, or FL 101 or 105 (in the language in which proficiency is met). Please consult with academic advisor.	9	
<u>Free Electives:</u>		
May not be MA 101, 103, 105, or FL 101 or 105 (in the language in which proficiency is met)	13	This assumes students complete a 2 hr Interdisciplinary Perspectives course
Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i>	95 hours	

COLLEGE REQUIREMENTS:		
Orientation Course(s): M 100	1	U.S. Diversity Corequisite
Other: Ethics Corequisite One from the following: MIE 306, PHI 214, 221, 312, 375	0	
Total credit hours under College Requirements:	96 Hours	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS		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"> Choose course(s) from the University Approved GEP course list for this category. Minimum requirements are satisfied by Major/College course requirements. 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. Co-requisite is satisfied by a Major/College course requirement. Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. Choose course(s) from the University Approved GEP course lists for Natural Sciences/Mathematical Sciences.
General Education Program Requirements:	Credit hours	How will the GEP requirement be met? (Choose applicable statement from 1-6 listed above)
Minimum 39-40 hrs		
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	7 (Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.
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>	7	8 (Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category.
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (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>	6	9 (Choose statement 1, 2 or 3) Choose course(s) 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	10 (Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.
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>	3	(Choose statement 5 or 6) 11 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts.
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>	2	12 (Choose statement 1, 2 or 3) Major/College course requirement satisfies 3 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.
Health and Exercise Studies (2 credits) (Including one Fitness and Wellness course)	2	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.	24 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	13 (Choose statement 1 or 4) Co-requisite is satisfied by a Major/College course requirement.

Global Knowledge co-requisite (GK)	n/a	14 <i>(Choose statement 1 or 4)</i> Choose course(s) from the University Approved GEP course list for this category.
Foreign Language Proficiency	n/a	FL 201 required.
The following requirements must be satisfied within the College/Program:	x	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)	x	Satisfied by College/Program Requirements
Technology Fluency	x	Satisfied by College/Program Requirements
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	120 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.



MEMO

Date: February 1, 2017
To: Dr. Barbara Kirby, Associate Vice Provost, Academic Programs & Services
From: Dr. Tamah Morant, Associate Dean, Management
Subject: Management First Year

The Poole College of Management proposes to update our program and degree audit for first year students, effective Spring 2017. Students who are admitted into Poole as freshman are currently admitted into the Management-Undeclared designation. They later declare a major and concentration (typically during spring of their first year or fall of sophomore year) and move out of Management-Undeclared. The audit for Management-Undeclared shows three semesters, but is essentially useless as it does not provide students with much help in planning their courses or in exploring the degree.

We have moved to a focus on a common first year for students that we are calling Management First Year, and have created a common two-semester plan for incoming freshman. The change in name from Management-Undeclared to Management First Year was approved by UCCC in September of 2013, but was never implemented. We would now like to formally implement that name change along with a corresponding code and two-semester degree audit. The two semesters for Management First Year reflect the first two semesters of the 8-semester display that have also already been approved by UCCC.

Old Name and Code: Management-Undeclared (20MGMTUD)

New Name and Code: Management First Year (20MGMTFY)

Format of the Degree Audit:

We would like to request that the degree audit have two semesters (labeled Fall Semester and Spring Semester) along with a list of GEP courses that are required in addition to what is included in the first two semesters. It should include...

Fall Semester

M 100
ENG 101
MA 121/131/141
FL 201
MIE 201
HESF 100-level

Spring Semester

MA 114
Communications
Natural Science (with lab)
EC 201
ACC 210

GEP

PSY 200 (for Social Sciences)
Ethics corequisite
Natural Science Elective (3 credits)
Humanities Elective (6 credits)
HES (1 credit)
Global Knowledge corequisite
Additional Breadth (3 credits)

Format A and Format B documents with the new plan are attached.

ENDORSED BY:

	2-10-17
CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE	DATE
	2/10/17
COLLEGE DEAN	DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE	DATE
---	------

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION	DATE
---	------

DEAN OF UNDERGRADUATE ACADEMIC PROGRAMS	DATE
---	------

Management First Year: (20MGMTFY)

Semester Display 2-8-17 (v1.0)

FRESHMAN YEAR			
Fall Semester	Credits	Spring Semester ⁺	Credits
M 100 Professionalism, Diversity and Acad Success in Mgmt ¹	1	MA 114 Finite Math ⁷	3
ENG 101 ² or Natural Science (with Lab) ³	4	Communications ⁸ or Humanities ⁹	3
MA 121/131/141 Calculus ^{2, 4}	3	ENG 101 ² or Natural Science (with Lab) ³	4
FL_ 201 ⁵	3	EC 201 Principles of Microeconomics ^{2, 10}	3
MIE 201 Intro to Business Processes	3	ACC 210 Concepts of Financial Reporting ²	3
HESF 1** Health & Exercise Studies Course ⁶	1		
	15		16

NOTES:

⁺Students will matriculate into the major of their choice during their spring semester.

1. Students should take M 100 their first semester in the program.
2. Must be completed with "C-" or better.
3. 7 credit hours-include one laboratory course or course with a lab from the GEP Natural Sciences list.
4. MA 131 or MA 141 are encouraged for students who qualify and aspire to take additional calculus. For students completing MA 141, one credit of MA141 will count as free elective credit.
5. Unless a placement exam is successfully completed, students are required to complete FL_ 201 – the third semester of a foreign language (through the intermediate level). Students will not receive credit for courses below 102 unless starting a language different from their high school proficiency. Students who place beyond FL_201 and choose not to take a foreign language course will have satisfied the foreign language requirement but will not receive hour credit.
6. 1 hour of Health & Exercise Studies at the 100 level.
7. MA 242 may substitute.
8. COM 110, 112, or 211.
9. Choose a course from the GEP Humanities list. A second course will be required in a later semester.
10. ARE 201 may substitute. The requirement must be met with C- or better.

*Students must also complete as a part of their degree requirements one course from the GEP U.S. Diversity list (no credit hour requirement) and one course from the GEP Global Knowledge list (no credit hour requirement).

CURRICULUM REQUIREMENTS

Format B

<u>Degree/Plan Title:</u> Management First Year	<u>Plan SIS Code:</u> 20MGMTFY
<u>Concentration/Subplan Title:</u> None	<u>Subplan SIS Code:</u>
<u>Indicate requirements status:</u> Current: Proposed: x <u>Proposed</u> Effective Semester: Spring 2017	
<u>New Degree Audit required?</u> (Y or N) Y	
<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
Math MA 121 or 131 or 141 (C- or better); MA 114 (MA 114 or 242)	6	Mathematics (6 hours)
Major (non- ACC/BUS/MIE) EC 201 (EC 201 or ARE 201) (C- or better) FL 201 Communication/Speech (COM 110, 112, 211)	3 3 3	Social Sciences (3 hours)
Major (ACC/BUS/MIE) MIE 201 ACC 210 (C- or better)	3 3	Interdisciplinary Perspectives (3 hours)
<u>Concentration Courses/Groups/Electives:</u> Determined by major	N/A	
<u>Free Electives:</u> Determined by major (may not be MA 101, 103, 105, or FL 101 or 105 (in the language in which proficiency is met)	N/A	
<u>Total credit hours under Major Field of Study:</u> <i>Minimum 27 hours required in program area.</i>	N/A	
COLLEGE REQUIREMENTS:		
<u>Orientation Course(s):</u> M 100	1	U.S. Diversity Corequisite
<u>Other:</u> Ethics Corequisite One from the following: MIE 306, PHI 214, 221, 312, 375	0	
<u>Total credit hours under College Requirements:</u>	N/A	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS <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> Specific courses should not be listed in any of the fields below other than ENG 101.		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 39-40 hrs</i>	<i>Credit hours</i>	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	7 (Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements.	
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.	7	8 (Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category. (4 credits satisfied during first year, 3 remain)	
English 101 (C- or better required) (4 credits)	4	ENG 101	
Humanities (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.	6	9 (Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for this category. (3 credits satisfied during first year, 3 remain)	
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	10 (Choose statement 1, 2 or 3) Minimum requirements are satisfied by Major/College course requirements. (PSY 200 taken after first year)	
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.	3	(Choose statement 5 or 6) 11 Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts. (3 credits remain after first year)	
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.	2	12 (Choose statement 1, 2 or 3) Major/College course requirement satisfies 3 credit hrs of this requirement. Remaining hours required must be chosen from the University Approved GEP course list for the category.	
Health and Exercise Studies (2 credits) (Including one Fitness and Wellness course)	2	Choose course(s) from the University Approved GEP course list for this category. (1 credit satisfied during first year, 1 remains)	
Total credit hours needed to complete GEP that are <u>not</u> satisfied as part of the Major/College requirements.	24 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	13 (Choose statement 1 or 4) Co-requisite is satisfied by a Major/College course requirement.	
Global Knowledge co-requisite (GK)	n/a	14 (Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for this category.	
Foreign Language Proficiency	n/a	FL 201 required.	
The following requirements must be satisfied within the College/Program:	X	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)	X	Satisfied by College/Program Requirements after first year	
Technology Fluency	X	Satisfied by College/Program Requirements after first year	
Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	N/A	As applicable, indicate here the overall GPA requirement for degree completion including course completion.	


NC STATE UNIVERSITY

218 Ricks Hall
Department of Agricultural and Human Sciences
1 Lampe Drive
Campus Box 7607
Raleigh, NC 27695-7607

Tel: 919-515-1758
Fax: 919-515-1965

MEMORANDUM

TO: Dr. Michael Mullen, Vice Chancellor and Dean of Academic and Student Affairs

FROM: Dr. Jim Flowers, Professor
Agricultural and Human Sciences 

RE: Minor Curriculum Action for B.S. in Agricultural Science

The Department of Agricultural and Human Sciences requests the following change in the B.S. degree in Agricultural Science:

Replace CH 220, Introductory Organic Chemistry (4 credits), requirement with Physical Science Elective (4 credits) in the Mathematical and Natural Science Requirements. Students would select from:

CH 201, Chemistry, a Quantitative Science and CH 202, Quantitative Chemistry Lab (4 credits)
CH 220, Introductory Organic Chemistry and CH 222, Organic Chemistry I Lab (4 credits)
PY 131, Conceptual Physics (4 credits)
PY 211, College Physics I (4 credits)
MEA 101, Geology I: Physical and MEA 110, Geology I Lab (4 credits)

Justification:

Students in the Agricultural Science curriculum currently are required to complete 8 semester hours of biology (BIO 181 and BIO 183) and 8 semester hours of chemistry (CH 101/102 and CH 220). These courses were intended to provide the necessary science prerequisites for courses in the agricultural specializations that are also included in the curriculum. However, for some agricultural specializations, a course in physics or a course in geology would be more appropriate than a course in organic chemistry. The department is proposing that students be given the option of completing the second physical science requirement by selecting 4 credit hour courses from the list. Students would be required to complete 4 credit hours, so in cases in which lecture and labs are separate courses, students would be required to complete the associated lab to earn the 4 credits required.

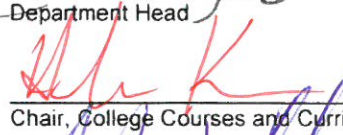
Proposed Effective Date: August 2017

Approved Effective Date: _____

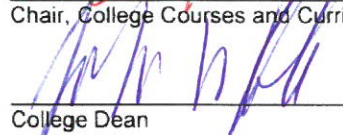
Required Signatures:

 1.27.17

Department Head Date

 2/3/17

Chair, College Courses and Curricula Committee Date

 2/7/17

College Dean Date

Chair, University Courses and Curricula Committee Date

Dean, Division of Academic and Student Affairs Date

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: x Proposed:

DEGREE TITLE: Bachelor of Science in Agricultural Science

CONCENTRATION TITLE: N/A

CURRENT DEGREE KEY: 11AGSBS

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AEE 103 Intro Topics in ALS	1	ANS 150/151 Intro to Animal Science or	
BIO 181 Intro Biology-ECOL/DIV ^B	4	PO 201 Poultry Science & Production	4
ENG 101 Academic Writing and Research ^H	4	BIO 183 Intro Biology – Cell & Molecular ^B	4
MA 107 Precalculus I ^A	3	MA 121 Elements of Calculus or	
COM 110 Public Speaking or		MA 131 Calculus for Life & Mgmt Sciences ^A	3
COM 112 Interpersonal Communication	3	Humanities Elective ^C	3
PE 10x Elective ^E	1	Physical Education Elective ^E	1
Total: 16		Total: 15	
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AEE 323 Leadership Develop in ALS	3	AEE 350 Personal Lead. Dev. In ALS	3
Introductory Agricultural Elective ^I	3	ARE 201 Introduction to ARE or	
CH 101 Chemistry – A Molecular Science ^B	3	EC 201 Economics I or EC 205	3
CH 102 General Chemistry Lab ^B	1	CH 220 Introductory Organic Chemistry ^B	4
Social Science Elective ^D	3	CS 213 Crops: Adapt & Production or	
		HS 201 Principles of Horticulture	3-4
		Humanities Elective ^C	3
Total: 13		Total: 16-17	
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
SSC 200 Soil Science	4	AEE 435 Prof Presentations in Agric	3
Agricultural Specialization I Course ²	3	Agricultural Specialization I Course ²	3
Additional Breadth – Hum/Soc Sci Elect ^F	3	Agricultural Specialization II Course ⁴	3
Writing Elective ³	3	Interdisciplinary Elective ^G	3
Free Elective ⁵	2-3	Social Science Elective ^D	3
Total: 15-16		Total: 15	
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AEE 360 Team Leadership in ALS	3	AEE 460 Org Leadership for ALS	3
Agricultural Specialization I Course ²	3	AEE 490, Seminar in AEE	1
Agricultural Specialization II Course ⁴	3	Agricultural Specialization I Course ²	3
Agricultural Specialization II Course ⁴	3	Agricultural Specialization II Course ⁴	3
Free Elective	3	Interdisciplinary Elective ^G	2-3
		Free Elective	3
Total: 15		Total: 15-16	
Minimum Credit Hours Required for Graduation ^{I, J, K} : 121			

Major/Program Footnotes:

¹ Select from AES 201, ES 100, or FS 201

² First of two agricultural specializations required. Select from courses in the following areas of agriculture: Animal Science, Agricultural Business Management, Agricultural Environmental Technology, Crop Science, Feed Mill Management, Horticultural Science, Poultry Science, or Soil Science. Courses must focus on one of these agricultural disciplines.

³ Select from AEE 311, ENG 332 or ENG 333.

⁴ Second of two agricultural specializations required. Select from courses in the following areas of agriculture: Animal Science, Agricultural Business Management, Agricultural Environmental Technology, Crop Science, Feed Mill Management, Horticultural Science, Poultry Science, or Soil Science. Courses must focus on one of these agricultural disciplines. Must be a different agricultural discipline from the first specialization.

⁵ Total hours of free electives vary in order to allow the minimum hours required for the degree to equal 121 credit hrs.

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

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites 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>.

^AMathematical Sciences (6 credit hours – one course with MA or ST prefix)

Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **MA 107, MA 121**

^BNatural Sciences (7 credit hours – include one laboratory course or course with a lab)

Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **BIO 181, BIO 183, CH 101, CH 102, CH 220**

^CHumanities (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none. Some courses in this category will fulfill the US Diversity and Global Knowledge co-requisite.**

^DSocial Sciences (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none. Some courses in this category will fulfill the US Diversity and Global Knowledge co-requisite.**

^EPhysical Education/Healthy Living (2 credit hours – at least one 100-level Fitness and Wellness Course)

Choose from the University approved GEP Physical Education/Healthy Living course list.

^FAdditional Breadth - (3 credit hours to be selected from the following checked University approved GEP course lists)

☒ Humanities/Social Sciences/Visual and Performing Arts or ☐ Mathematical Sciences/Natural Sciences/Engineering

^GInterdisciplinary Perspectives (5-6 credit hours)

Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none**

^HIntroduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements:

^IU.S. Diversity (USD)

Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **none**

^JGlobal Knowledge (GK)

Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **none**

^KForeign Language proficiency - Proficiency at the FL_102 level is required for graduation.

GEP FORMAT A
(SEMESTER-BY-SEMESTER CURRICULUM DISPLAY)

Current: Proposed: x Proposed Effective Semester: **8/2017**

DEGREE TITLE: Bachelor of Science in Agricultural Science

CONCENTRATION TITLE: N/A

CURRENT DEGREE KEY: 11AGSBS

FRESHMAN YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AEE 103 Foundations of AEE ¹	1	ANS 150/151 Intro to Animal Science or	
BIO 181 Intro Biology-ECOL/DIV ^B	4	PO 201 Poultry Science & Production	4
ENG 101 Academic Writing and Research ^H	4	BIO 183 Intro Biology – Cell & Molecular ^B	4
MA 107 Precalculus I ^A	3	MA 121 Elements of Calculus or	
COM 110 Public Speaking or		MA 131 Calculus for Life & Mgmt Sciences ^A	3
COM 112 Interpersonal Communication	3	Humanities Elective ^C	3
PE 10x Elective ^E	1	Physical Education Elective ^E	1
	<i>Total: 16</i>		<i>Total: 15</i>
SOPHOMORE YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AEE 323 Leadership Develop in ALS	3	AEE 350 Personal Lead. Dev. In ALS	3
Introductory Agricultural Elective ²	3	ARE 201 Introduction to ARE or	
CH 101 Chemistry – A Molecular Science ^B	3	EC 201 Economics I or EC 205	3
CH 102 General Chemistry Lab ^B	1	Natural Science Elective⁶	4
Social Science Elective ^D	3	CS 213 Crops: Adapt & Production or	3-4
		HS 201 Principles of Horticulture	3
		Humanities Elective ^C	
	<i>Total: 13</i>		<i>Total: 16-17</i>
JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
SSC 200 Soil Science	4	AEE 435 Prof Presentations in Agric	3
Agricultural Specialization I Course ⁴	3	Agricultural Specialization I Course ⁴	3
Additional Breadth – Hum/Soc Sci Elect ^F	3	Agricultural Specialization II Course ⁵	3
Writing Elective ³	3	Interdisciplinary Elective ^G	3
Free Elective ⁷	2-3	Social Science Elective ^D	3
	<i>Total: 15-16</i>		<i>Total: 15</i>
SENIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
AEE 360 Team Leadership in ALS	3	AEE 460 Org Leadership for ALS	3
Agricultural Specialization I Course ⁴	3	AEE 490, Seminar in AEE	1
Agricultural Specialization II Course ⁵	3	Agricultural Specialization I Course ⁴	3
Agricultural Specialization II Course ⁵	3	Agricultural Specialization II Course ⁵	3
Free Elective	3	Interdisciplinary Elective ^G	2-3
		Free Elective	3
	<i>Total: 15</i>		<i>Total: 15-16</i>
Minimum Credit Hours Required for Graduation ^{L, J, K} : 121			

Major/Program Footnotes:

¹ AEE 103 is the preferred orientation course. ALS 103 is accepted for transfer students.

² Select from AES 201, ES 100, or FS 201

³ Select from AEE 311, ENG 332 or ENG 333.

⁴ First of two agricultural specializations required. Select from courses in the following areas of agriculture: Animal Science, Agricultural Business Management, Agricultural Environmental Technology, Crop Science, Feed Mill Management, Horticultural Science, Poultry Science, or Soil Science. Courses must focus on one of these agricultural disciplines.

⁵ Second of two agricultural specializations required. Select from courses in the following areas of agriculture: Animal Science, Agricultural Business Management, Agricultural Environmental Technology, Crop Science, Feed Mill Management, Horticultural Science, Poultry Science, or Soil Science. Courses must focus on one of these agricultural disciplines. Must be a different agricultural discipline from the first specialization.

⁶ Select from CH 201 and CH 202 or CH 220 and CH 222 or PY 131 or PY 211 or MEA 101 and MEA 110. A total of 4 credits are required.

⁷ Total hours of free electives vary in order to allow the minimum hours required for the degree to equal 121 credit hrs.

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

To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites 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>.

^AMathematical Sciences (6 credit hours – one course with MA or ST prefix)

Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **MA 107, MA 121**

^BNatural Sciences (7 credit hours – include one laboratory course or course with a lab)

Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **BIO 181, BIO 183, CH 101, CH 102**

^CHumanities (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none. Some courses in this category will fulfill the US Diversity and Global Knowledge co-requisite.**

^DSocial Sciences (6 credit hours selected from two different disciplines/course prefixes)

Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none. Some courses in this category will fulfill the US Diversity and Global Knowledge co-requisite.**

^EPhysical Education/Healthy Living (2 credit hours – at least one 100-level Fitness and Wellness Course)

Choose from the University approved GEP Physical Education/Healthy Living course list.

^FAdditional Breadth - (3 credit hours to be selected from the following checked University approved GEP course lists)

x Humanities/Social Sciences/Visual and Performing Arts or _____ Mathematical Sciences/Natural Sciences/Engineering

^GInterdisciplinary Perspectives (5-6 credit hours)

Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: **none**

^HIntroduction to Writing (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements:

^IU.S. Diversity (USD)

Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **none**

^JGlobal Knowledge (GK)

Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **none**

^KForeign Language proficiency - Proficiency at the FL_102 level is required for graduation.

CURRICULUM REQUIREMENTS

Format B – Proposed (changes are highlighted)

Degree Title: Bachelor of Science in Agricultural Science
Current Degree Key: 11AGSBS
Effective Date of Revision: 1/2017

MAJOR FIELD OF STUDY REQUIREMENTS:		
<i>Required Courses/Groups/ Electives:</i>	<i>Credit Hours</i>	GEP category, if applicable
<p>Indicate if course or course groupings have a C-wall or MGPA requirement</p> <p>Agricultural and Extension Education (all courses in this category have a C-wall requirement) AEE 323, AEE 350, AEE 360, AEE 435, AEE 460, AEE 490</p> <p>Professional Content Courses GRP *** ARE 201, EC 201, EC 205</p> <p>GRP *** Writing elective (AEE 311, ENG 332, ENG 333)</p> <p>GRP *** ANS 150, PO 201</p> <p>GRP *** CS 213, HS 201</p> <p>GRP*** Introductory Ag Elective (AES 201, ES 100, FS 201)</p> <p>SSC 200/SSC 201</p> <p>Mathematical and Natural Sciences MA 107</p> <p>GRP *** MA 121, MA 131</p> <p>BIO 181, BIO 183, CH 101, CH 102</p> <p>GRP *** CH 201 and CH 201 or CH 220 and CH 222 or PY 131 or PY 211 or MEA 101 and MEA 110</p> <p>Communication and Social Science GRP *** COM 110, COM 112</p>	<p>16</p> <p>3</p> <p>3</p> <p>4</p> <p>3-4</p> <p>3</p> <p>4</p> <p>3</p> <p>3</p> <p>12</p> <p>4</p> <p>3</p>	<p>List GEP category and hours satisfied by a Major requirement</p> <p>Satisfies the Communication within the major requirement</p> <p>Mathematical Sciences (3 hours) Mathematical Sciences (3 hours) Natural Sciences (7 hours)</p>
<p>Concentration Courses/Groups/Electives:</p> <p>Students must choose two sequences, completing 12 hours in each sequence</p> <p>Sequence 001 – Animal Science</p> <p>Sequence 002 – Agricultural Business Management</p> <p>Sequence 003 – Agricultural Environment Technology</p> <p>Sequence 004 – Crop Science</p> <p>Sequence 005 – Horticultural Science</p> <p>Sequence 006 – Poultry Science</p> <p>Sequence 007 – Soil Science</p>	<p>24</p>	
Free Electives:	8-9	
<p>Total credit hours under Major Field of Study: <i>Minimum 27 hours required in program area.</i></p>	94 hours	
COLLEGE REQUIREMENTS:		
<p>Orientation Course(s): AEE 103</p>	1	
Other:		
Total credit hours under College Requirements:	1 hours	

NCSU GENERAL EDUCATION PROGRAM REQUIREMENTS

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.

Specific courses should not be listed in any of the fields below other than ENG 101.

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 the 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 list for the Humanities/ Social Sciences/ Visual & Performing Arts.
- 6 Choose course(s) from the University Approved GEP course list 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) Minimum requirements are satisfied by Major/College course requirements.
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) Minimum requirements are satisfied by Major/College course requirements.
English 101 (C- or better required) (4 credits)	4	ENG 101
Humanities (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.	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for 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.	6	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for category.
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.	3	(Choose statement 5 or 6) Choose course(s) from the University Approved GEP course lists for the Humanities/ Social Sciences/ Visual & Performing Arts.
Interdisciplinary Perspectives (5-6 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.	5	(Choose statement 1, 2 or 3) Choose course(s) from the University Approved GEP course list for category.
Physical Education/Healthy Living (2 credits) (Including one Fitness and Wellness course)	2	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.	26 hours	
GEP Co-Requisites:		Courses taken in the Major, GEP, or Minor may double-count to 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) Choose course(s) from the University Approved GEP course list for category.
Global Knowledge co-requisite (GK)	n/a	(Choose statement 1 or 4) Choose course(s) from the University Approved GEP course list for category.
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 (Adv. Communication)	X	Satisfied by College/Program Requirements
Technology Fluency	X	Satisfied by College/Program Requirements

Total credit hours required to complete Degree: Total must be within 120-128 credit hours.	121 Total hours	As applicable, indicate here the overall GPA requirement for degree completion including course completion.
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