Effective Spring 2019 Name_____

Bachelor of Science in Agricultural Education

CONCENTRATION TITLE: **Agricultural Engineering Technology**

DEGREE CODE: **11AGEDAET**

FRESHMAN YEAR					
FALL SEMESTER	Cred.	Sem.	SPRING SEMESTER	Cred.	Sem.
AEE 101 Into to Career & Technical Education[4]	1	____	AEE 226 Computer Appl & Info Tech[4]	3	____
AEE 103 Fundamentals of AEE[1]	1	____	ANS 150 Introduction to Animal Science	3	____
BIO 181 Intro Biology-Ecol, Evol, & Biodiv[B]	4	____	ANS 151 Animal Science Lab	1	____
COM 110 Public Speaking	3	____	CH 101 Chemistry–A Molecular Science[B]	3	____
ENG 101 Academic Writing & Research[H]	4	____	CH 102 General Chemistry Lab[B]	1	____
MA 107 Precalculus I ***or***	3	____	____ ____ Math Elective[A]	3	____
MA 111 Precalculus Algebra & Trigonometry[A]			HES __ ____ Hlth Exer Studies Elective[E]	1	____
HESF 1 ___ PE Fitness Elective[E]	1	____			
Total	17		Total	15	

SOPHOMORE YEAR					
FALL SEMESTER	Cred.	Sem.	SPRING SEMESTER	Cred.	Sem.
AEE 206 Introduction to Teaching Agriculture[4]	3	____	____ ____ Agriculture Elective	2	____
AES 201 Shop Processes and Management	3	____	SSC 200 Soil Science	3	____
BAE 325 Geomatics	3	____	SSC 201 Soil Science Lab	1	____
PY 211 College Physics I	4	____	____ _____ Economics Elective[2 D]	3	____
____ _____Humanities Elective[C]	3	____	____ _____ Plant Science Elective[3]	3	____
			____ _____ Interdisciplinary Elective[G]	3	____
Total	16		Total	15	

JUNIOR YEAR					
FALL SEMESTER	Cred.	Sem.	SPRING SEMESTER	Cred.	Sem.
AEE 322 Experiential Learning in Agriculture[4]	3	____	AEE 303 Admin & Super of Student Org[4]	3	____
EDP 304 Educational Psychology[4 D]	3	____	AEE 326 Teach Diverse Learn in Agric[4]	3	____
AES 343 Agricultural Electrification	4	____	AES 332 Mgmt of Animal Environments	4	____
_____ ____ Humanities Elective[C]	3	____	AES 411 Agric Machinery/Power Units	4	____
_____ ____ Add Breadth- Math/Nat Sci [F]	3	____	ED 311 Classroom Assessment[4]	2	____
			ED 312 Classroom Assessment Lab[4]	1	____
Total	16		Total	17	

SENIOR YEAR					
FALL SEMESTER	Cred.	Sem.	SPRING SEMESTER	Cred.	Sem.
AEE 327 Conducting Summer Programs in AED	1	____	AEE 424 Planning Agric Educ Programs[4]	3	____
AEE 426 Methods of Teaching Agriculture[4]	3	____	AEE 427 Student Teaching in Agric[4]	8	____
AES 432 Agric & Environ Safety & Health	3	____	AEE 491 Seminar in AEE	1	____
ELP 344 School and Society[4]	3	____			
____ _____ Interdisciplinary Elective[G]	2	____			
Total	12		Total	12	
Minimum Credit Hours Required for Graduation[IJK]: **120**					

Corequisite Requirements: (May be met by completing courses listed above. List courses below that meet these requirements)

[K]Foreign Language Proficiency _____ _____

[J]Global Knowledge _____ _____.

[I]US Diversity _____ _____.

Major/Program Footnotes:

[1] Incoming freshmen complete AEE 103. Transfer students may complete ALS 103 or ALS 303.

[2] Select from ARE 201, EC 201, or EC 205.

[3] Select from courses in Crop Science, Horticultural Science, or Forestry.

[4] Minimum grade of C- required for graduation. Minimum grade of C is required for teacher licensure.

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.

[A]**Mathematical 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 or MA 111**

[B]**Natural 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, CH 101, CH 102, PY 211, PY 212**

[C]**Humanities** (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.**

[D]**Social 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: **EDP 304 and ARE 201 or EC 201 or EC 205**

[E]**Physical Education/Healthy Living** - (2 credit hours – at least one 100-level Fitness and Wellness Course from the HESF course list) The second course may be from the following Health and Exercise Studies Lists: HESA, HESD, HESF, HESO, HESR, HESS, HEST

[F]**Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists)
_____Humanities/Social Sciences/Visual and Performing Arts or **x** Mathematical Sciences/Natural Sciences/Engineering

[G]**Interdisciplinary 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**

[H]**Introduction 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:

[I]**U.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**

[J]**Global 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**

[K]**Foreign Language proficiency** - Proficiency at the FL_102 level is required for graduation.