

Date Submitted: 11/07/18 4:07 pm

# Viewing: **AECTBS-ASTM : Agricultural Education, Communication & Technology: Agricultural Systems Tech Concentration**

Last approved: 03/30/18 9:06 am

Last edit: 11/08/18 2:00 pm

Changes proposed by: jdmiller

Catalog Pages Using  
this Program

[Agricultural Education, Communication and Technology B.S.A. with Systems Tech Concentration](#)

Submitter: User ID: crsleaf1 Phone:  
575-6731

Program Status Active

Academic Level Undergraduate

Type of proposal Major/Field of Study

Select a reason for this modification

Revising Curriculum of an Existing Certificate or Degree Program--(LON 11C)

Are you adding a concentration?

No

Are you adding a track?

No

Are you adding a focused study?

No

Effective Catalog Year Fall 2019

College/School Code

Bumpers College of Agricultural, Food, and Life Sciences(AFLS)

## In Workflow

1. AFLS Dean Initial
2. Provost Initial
3. Director of Program Assessment and Review
4. Registrar Initial
5. Institutional Research
6. AECT Chair
7. AECT Curriculum Committee
8. AFLS Faculty
9. AFLS Dean
10. Global Campus
11. Provost Review
12. University Course and Program Committee
13. Faculty Senate
14. Provost Final
15. ADE Licensure Approval
16. Provost's Office-- Documentation sent to System Office
17. Higher Learning Commission
18. Board of Trustees
19. ADHE Final
20. Provost's Office-- Notification of Approval
21. Registrar Final
22. Catalog Editor Final

## Approval Path

## Department Code

Department of Agricultural Education, Communication and Technology(AECT)

## Program Code

AECTBS-ASTM

## Degree

Bachelor of Science in Agricultural, Food &amp; Life Sciences

## CIP Code

1. 11/02/18 2:24 pm  
Vicky Watkins  
(watkinsv): Rollback  
to Initiator
2. 11/05/18 8:43 am  
Lona Robertson  
(ljrobert): Approved  
for AFLS Dean Initial
3. 11/05/18 1:25 pm  
Terry Martin  
(tmartin): Approved  
for Provost Initial
4. 11/05/18 3:31 pm  
Alice Griffin  
(agriffin): Rollback  
to Initiator
5. 11/08/18 8:12 am  
Lona Robertson  
(ljrobert): Approved  
for AFLS Dean Initial
6. 11/08/18 8:33 am  
Terry Martin  
(tmartin): Approved  
for Provost Initial
7. 11/08/18 2:10 pm  
Alice Griffin  
(agriffin): Approved  
for Director of  
Program  
Assessment and  
Review
8. 11/09/18 10:59 am  
Lisa Kulczak  
(lkulcza): Approved  
for Registrar Initial
9. 11/09/18 11:11 am  
Gary Gunderman  
(ggunderm):  
Approved for

- Institutional  
Research
10. 11/09/18 11:29 am  
George Wardlow  
(wardlow):  
Approved for AECT  
Chair
  11. 11/09/18 11:44 am  
Jefferson Miller  
(jdmiller): Approved  
for AECT Curriculum  
Committee
  12. 11/09/18 11:55 am  
Douglas Karcher  
(karcher): Approved  
for AFLS Faculty
  13. 11/09/18 1:40 pm  
Lona Robertson  
(ljrobert): Approved  
for AFLS Dean
  14. 11/09/18 3:53 pm  
Miran Kang (kang):  
Approved for Global  
Campus
  15. 11/09/18 4:00 pm  
Terry Martin  
(tmartin): Approved  
for Provost Review

## History

1. Aug 13, 2014 by  
Leepfrog  
Administrator  
(clhelp)
2. Aug 13, 2014 by  
Leepfrog  
Administrator  
(clhelp)
3. Mar 25, 2015 by  
Charlie Alison

(calison)

4. Mar 25, 2015 by  
Charlie Alison  
(calison)

5. Mar 25, 2015 by  
Charlie Alison  
(calison)

6. Mar 25, 2015 by  
Charlie Alison  
(calison)

7. Mar 30, 2018 by  
Gina Daugherty  
(gdaugher)

01.0801 - Agricultural and Extension Education Services.

#### Program Title

Agricultural Education, Communication & Technology: Agricultural Systems Tech Concentration

#### Program Delivery

##### Method

On Campus

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

What are the total **120 32**  
hours needed to  
complete the  
program?

## Program Requirements and Description

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### Requirements

**Additional Requirements for ASTM Concentration ~~Concentration (33 hours)~~**

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**ASTM Concentration Requirements (21 hours)**

<u>AGME 3102</u>	Small Power Units/Turf Equipment	2
<u>AGME 3101L</u>	<b>Small Power Units/Turf Equipment Laboratory</b>	<b>1</b>
<u>AGME 3173</u>	Electricity in Agriculture	3
<del>EXED 475V</del>	<del>Internship in Extension (3 hours)</del>	
	<del>Science or Math Elective (3-4 hours)</del>	
	<del>Select 8-9 hours from the following:</del>	
<u>AGME 4203</u>	Mechanized Systems Management	3
<u>AGEC 2303</u>	Introduction to Agribusiness	3
<u>AGEC 3303</u>	Food and Agricultural Marketing	3
<del>AGEC 3403</del>	<del>Farm Business Management</del>	
<del>AGED 3153</del>	<del>Leadership Development in Agriculture</del>	
<u>AGEC 4303</u>	<b>Agribusiness Marketing Management</b>	<b>3</b>
<b>Choose 3 credits from:</b>		<b>3</b>
<u>AGME 1611L</u>	<b>Fundamentals of Agricultural Systems Technology Laboratory</b>	
<u>AGME 2123</u>	Metals and Welding	
<u>AGME 3153</u>	Surveying in Agriculture and Forestry	
<u>AGME 402V</u>	Special Topics in Agricultural Mechanization (3 hours)	
<u>AGME 4973</u>	Irrigation	
<u>ENSC 3603</u>	GIS for Environmental Science	
<u>GEOS 3543</u>	Geospatial Applications and Information Science	
<del>GEOS 4523</del>	<del>Cartographic Design and Production</del>	
<u>GEOS 4593</u>	Introduction to Global Positioning Systems and Global Navigation Satellite Systems	
<b>Electives</b>		<b>17-23</b>
<del>Total Hours</del>		<del>120</del>
Total Hours		21

## 8-Semester Plan

## Agricultural Systems Technology Management Nine-Semester Plan (ASTM)

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First Year	Units
	Fall Spring Summer
<u>UNIV 1001</u> University Perspectives	1
<u>AGME 1613</u> Fundamentals of Agricultural Systems Technology & <u>AGME 1611L</u> Fundamentals of Agricultural Systems Technology Laboratory	4
<u>ANSC 1032</u> Introductory Animal Sciences	2
<u>ANSC 1051</u> Introduction to the Livestock Industry	1
<u>BIOL 1543</u> Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) & <u>BIOL 1541L</u> Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	4

<a href="#">ENGL 1013</a> Composition I (ACTS Equivalency = ENGL 1013)	3
<a href="#">ENGL 1023</a> Composition II (ACTS Equivalency = ENGL 1023)	3
Fine Arts/Humanities Core Elective	3
<a href="#">HIST 2003</a> History of the American People to 1877 (ACTS Equivalency = HIST 2113) (or HIST 2013 History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123) (Sp, Su, Fa))	3
or <a href="#">PLSC 2003</a> American National Government (ACTS Equivalency = PLSC 2003)	
<a href="#">MATH 1203</a> College Algebra (ACTS Equivalency = MATH 1103) (or higher)	3
or <a href="#">MATH 1313</a> Quantitative Reasoning (ACTS Equivalency = MATH 1113)	
<a href="#">PSYC 2003</a> General Psychology (ACTS Equivalency = PSYC 1103)	3
Year Total:	15 15

## Second Year

Units

FallSpringSummer

<a href="#">AGEC 1103</a> Principles of Agricultural Microeconomics	3
<a href="#">AGME 2903</a> Agricultural and Human Environmental Sciences Applications of Microcomputers	3
<a href="#">CHEM 1073</a> Fundamentals of Chemistry (ACTS Equivalency = CHEM 1214 Lecture) & <a href="#">CHEM 1071L</a> Fundamentals of Chemistry Laboratory (ACTS Equivalency = CHEM 1214 Lab)	4
<a href="#">CSES 1203</a> Introduction to Plant Sciences	3
General Elective	3
<a href="#">AGEC 2303</a> Introduction to Agribusiness	3
<a href="#">AGED 3143</a> Communicating Agriculture to the Public	3
<a href="#">CSES 2013</a> Pest Management	3
Math/Science Elective	3
General Electives	4
Year Total:	16 16

## Third Year

Units

FallSpringSummer

<a href="#">AGEC 3403</a> Farm Business Management	3
ASTM Concentration Elective	2-3
<a href="#">BIOL 2013</a> General Microbiology (ACTS Equivalency = BIOL 2004 Lecture) & <a href="#">BIOL 2011L</a> General Microbiology Laboratory (ACTS Equivalency = BIOL 2004 Lab)	4
or <a href="#">PHYS 1044</a> Physics for Architects I	
<a href="#">CSES 2203</a> Soil Science	3
<a href="#">CSES 2201L</a> Soil Science Laboratory	1
or <a href="#">CSES 355V</a> Soil Profile Description	
Social Science Core Elective	3
<a href="#">AGEC 3303</a> Food and Agricultural Marketing	3
<a href="#">AGED 3153</a> Leadership Development in Agriculture	3

<u>AGME 3102</u> Small Power Units/Turf Equipment	3		
& <u>AGME 3101L</u> Small Power Units/Turf Equipment Laboratory			
<u>AGME 3173</u> Electricity in Agriculture	3		
Math/Science Elective	3-4		
<u>EXED 475V</u> Internship in Extension			3
Year Total:	16	15	3
Fourth Year			
	Units		
	Fall	Spring	Summer
<u>AGED 4003</u> Issues in Agriculture	3		
ASTM Concentration Elective	3		
Upper Division General Electives	6		
ASTM Concentration Elective		3	
Fine Arts/Humanities Core Elective		3	
Upper Division General Electives		6	
Year Total:	12	12	
Total Units in Sequence:			120

Are Similar Programs available in the area?

No

Estimated Student Demand for Program **30 NA**

Scheduled Program Review Date **2015-16 NA**

Program Goals and Objectives

**Program Goals and Objectives**

**Program Goals and Objectives**

- **Develop career ready students with strong communication skills and problem solving abilities.**
- **Stimulate intellectual capacity in students for integrating multi-disciplinary knowledge, technology and values.**
- **Enhance the leadership skills of future professionals in agriculture, food and natural resource careers.**
- **Produce graduates with broad technical skills in agricultural science and technology.**

~~NA~~

Learning Outcomes

**Learning Outcomes**

**Students in the ASTM area of concentration should be able to solve problems in the application, management and marketing of agricultural technology. ~~NA~~**

Description and justification of the request

<b>Description of specific change</b>	<b>Justification for this change</b>
<p>Reduced concentration requirements to 21 by...</p> <p>Moving deleting EXED 475V and replacing it in the AECT major core as AGED 475V</p> <p>Deleting Science or Math elective</p> <p>Deleting AGEC 3403</p> <p>Moving AGED 3153 to AECT major core</p> <p>Adding AGME 3101L</p> <p>Adding AGME 4303</p> <p>Making AGME 3203, AGEC 2303, and AGEC 3303 requirements</p> <p>Reducing the number of directed electives credits to 3, removing GEOS 4523 from that list, and adding AGME 1611L as an option</p>	<p>Reduced the number of credits in the concentration to 21 to align with university requirements for concentrations while still providing substantive coursework in Agricultural Systems and Agricultural Business.</p>

Upload attachments



[AECTBS - Revision - Curriculum.pdf](#)

[AECTBS - Revision - Ltr of Notification.docx](#)

#### Reviewer Comments

**Vicky Watkins (watkinsv) (11/02/18 2:24 pm):** Rollback: Rolling back to allow upload of revised documents

**Lona Robertson (ljrobert) (11/05/18 8:43 am):** Checksheet watermark must be updated 2019-2020

**Alice Griffin (agriffin) (11/05/18 3:31 pm):** Rollback: Please review the 9 semester plan and update with revised curriculum. It appears as though the updates to the curriculum have not been incorporated.

**Alice Griffin (agriffin) (11/08/18 12:12 pm):** Uploaded combined checksheets and inserted degree code and approval dates into LON. Renamed documents to match BOT naming convention.

**Alice Griffin (agriffin) (11/08/18 2:00 pm):** Changed title of major from Communications to Communication in LON.

Key: 58