

ACADEMIC PROGRAM FOR THE DEGREE OF: BS IN AGRICULTURE
DEPARTMENT OF AGRICULTURAL EDUCATION
(Technology Program)

Departmental Requirements

Satisfactory completion of 132 semester hours, 48 of which must be in technical agriculture. A student may be qualified to teach agriculture by completing the curriculum as set forth below or by completing any curriculum in the College of Agriculture which would meet the above requirements plus student teaching (EDU 580-581) and certification requirements. A grade-point average of 2.5 is required to enter student teaching.

General Component

			Semester Hours
Area I	Any Option	-Approved course(s) in mathematics or philosophy	4 - 6
Area II	Option B or C	-CHE 102 and 104, general chemistry or CHE 110 and 112, college chemistry	8 - 10
Area III	Any Option	- Approved biological science courses	6 - 9
Area IV	Any Option	-ECO 251, principles of economics, and one other course listed	6 - 6
Area IV, V, VI, VIII		-Any approved option from one area	6 - 6
English Composition (ENG 101 and ENG 102) Communications (Select from ENG 181, ENG 291, ENG 203, ENG 205, JOU 201, JOU 203)			6 - 6
<u>Pre-Professional Component</u>			
	GEN 102	Agricultural Social Sciences	4 - 4
	GEN 104	Agricultural Plant Sciences	4 - 4
	GEN 106	Agricultural Animal Sciences	4 - 4
		Other elective courses in agriculture	0 - 9
		TOTAL HOURS	<u>54 - 70</u>

Professional Component

		Semester Hours
<u>Departmental Major</u>		
	Genetics (elective)	3
	Agricultural Engineering (electives)	6
	Plus courses selected from these areas: Agricultural Economics, Agricultural Engineering, Agricultural Entomology, Agronomy, Animal Science, Horticulture, Forestry	
		<u>9</u>
	HOURS REQUIRED	<u>18</u>

Semester Hours

Specialty Support

Courses elected in Education

HOURS REQUIRED

6
6

Other Technical Agriculture

Agricultural Plant Science

AGR 366-367 Soils

4

PPA 541-542 Plant Pathology

3

Animal Science

ASC 280-281 Feeds and Feeding

4

VS 251

3

Agricultural Economics and Rural Sociology

RS 513 Rural Community Analysis, or

RS 541 Group Organization and Leadership

3

AEC 400 Agricultural Marketing

3

AEC 410 Farm Management

3

HOURS REQUIRED

23

Electives (To earn a total of 132 hours)

15 - 31

- a) Must include EDU 580-581 (professional courses and student teaching) unless student elects to take this work after graduation.
- b) When EDU 580-581 is taken as a graduate student, the student should take at least 9 of the additional hours available for electives in technical agriculture.
- c) Three credits in health and/or physical education are needed for certification.

Summary of Semester Hours for Graduation

General Component	54 - 70
Departmental Major	18 - 18
Specialty Support	6 - 6
Other Technical Agriculture	23 - 23
Electives	<u>31 - 15</u>
TOTAL SEMESTER HOURS	<u>132 - 132</u>

A SAMPLE CURRICULUM FOR AGRICULTURAL EDUCATION

Freshman Year

First Semester

ENG 101 Freshman Composition	3
CHE 102 Elementary General Chemistry	5
HIS 108 History of the U.S. Before 1865	3
GEN 102 Agricultural Social Sciences	4
	15

Second Semester

ENG 102 Freshman Composition	3
CHE 104 Elementary General Chemistry	5
BOT 101 General Botany	4
GEN 106 Agricultural Animal Sciences	4
	16

Sophomore Year

First Semester

MA 113 Analytics and Calculus I	4
ECO 251 Principles of Economics	3
ENG 181 Public Speaking	3
GEN 104 Agricultural Plant Sciences	4
Elective	2
	16

Second Semester

MB 200 Principles of Bacteriology	4
HIS 109 History of U.S. Since 1865	3
ANT 121 Introduction to Cultural Anthropology	3
JOU 201 Etymology	3
HYG 110 Introduction to Human Biology and Health	3
	16

Junior Year

First Semester

AGR 366-367 Soils	4
AEN 252 Farm Shop	3
EDU 301 American Public Education	3
ASC 260 Genetics	3
VS 251 Animal Hygiene	3
	16

Junior Year (Continued)

Second Semester

ASC 280-281 Feeds and Feeding	4
AEN 212 Tractors and Field Machinery	3
AEC 400 Marketing	3
PPA 541-542 Plant Pathology	4
AEC 410 Farm Management	3
	17

Senior Year

First Semester

AEC 415 Farm Accounting	3
RS 513 Rural Community Analysis	3
AGE 500 Economic Entomology	3
HOR 510 Principles of Vegetable Gardening	3
EDU 544 Visual Teaching	3
AGR 502 Ecology of Economic Plants	3
	18

Second Semester

EDU 580 Teaching Vocational Agriculture	15
EDU 581 Adult Farmer and Young Farmer Schools	3
	18
or	
Electives (When EDU 580-581 is taken after graduation)	18
	18

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