

College of Agriculture

TBA, *Dean*

W.E. HARDY JR., *Associate Dean*

W. J. ALVERSON, JR., *Assistant Dean*

THE COLLEGE OF AGRICULTURE prepares students for careers in agriculture and related professions. Courses provide a broad foundation in the basic sciences, a general knowledge of the applied sciences, and a reasonable number of cultural subjects. Most of the basic science courses are given in the freshman and sophomore years and serve as a basis for a better understanding of the applied subjects, usually taken in the junior and senior years.

Curricula are offered in Agricultural Business and Economics, Agricultural Communications, Agronomy and Soils, Animal Sciences, Fisheries and Allied Aquacultures, Horticulture and Poultry Science. The College of Agriculture also furnishes the subject matter training in Agriculture for the curricula of Biosystems Engineering and Agriscience Education. Students who wish to major in other agricultural fields should consult with the dean.

Transfer credits for agricultural subjects not considered equivalent to those required in the chosen curriculum may be substituted for elective credit; however, duplication of credit will not be allowed. Equivalence of agricultural subjects will be determined by the Dean's Office; however, students may also obtain transfer credit on the basis of validating examinations. Arrangements for validating examinations must be made with the dean of Agriculture in the first term of enrollment in the College of Agriculture at Auburn and the examinations must be completed before the middle of the second term. Transfer credit for courses which are upper-division courses at AU will not be accepted from two-year colleges.

Pre-Veterinary Medicine

It is possible to gain admission to the College of Veterinary Medicine upon completion of the minimum requirements listed below. Students may declare an option upon admission to the College of Agriculture and must declare an option by the end of their freshman year. If students are admitted to the College of Veterinary Medicine after the completion of all the requirements in the first three years of the option, they may obtain a Bachelor of Science degree in the option after completion of the freshman year in the College of Veterinary Medicine.

The minimum requirements (74 semester hours) for admission to the College of Veterinary of Medicine, Auburn University are incorporated in the first three years of the options listed under the following curricula: Animal Sciences, Fisheries and Allied Aquacultures and Poultry Science.

English Composition (6), Mathematics (3), Core History (6), Philosophy (3), PHYS 1500 & 1501 and, PHYS 1510 & 1511 (8), Literature (6), Social Studies (6), BIOL 1020 & 1030 (8), CHEM 1030 & 1031 and CHEM 1040 & 1041 (8), CHEM 2070, 2071, and CHEM 2080 & 2081 (8), Fine Arts (3), BCHE 3200 (3), Scientific Electives (6).

See also the curriculum in Pre-Veterinary Medicine (PVET), College of Science and Mathematics.

Dual-Degree Program with Engineering

This program gives students the opportunity to receive two baccalaureate degrees - one in agriculture and one in engineering. Although the program was developed primarily for students desiring a combination of a biological sciences program with an engineering program, it does not preclude the consideration of other Agriculture-Engineering combinations.

In general, students will be enrolled in the College of Agriculture for approximately three years and in the Samuel Ginn College of Engineering for approximately two years. During the first three years, the students, should take those mathematics, physics and chemistry courses necessary to allow them to transfer to the Samuel Ginn College of Engineering. Additionally, before transferring to the Samuel Ginn College of Engineering, they should have completed approximately three-fourths of the total hours required by the College of Agriculture for the awarding of the degree.

To become dual-degree candidates under this program, students must have GPAs which indicate the likelihood of satisfactory completion of Samuel Ginn College of Engineering degree requirements and recom-

mendation from the dean of the College of Agriculture. The recommendation should be sought one term before the expected transfer to the Samuel Ginn College of Engineering.

It is also possible for qualified students to transfer to the Samuel Ginn College of Engineering following the junior year with the intent of seeking a master's degree rather than a bachelor's degree in one of the engineering disciplines. Consult the Engineering Dean's Office concerning this option.

Minors

AGRIBUSINESS MINOR

18 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required. **Cr. Hr.**

ACCT	2910	Fundamentals of Accounting	3
AGEC	4040	Agricultural Finance	3
AGEC	4000	Principles of Agribusiness Mngt	OR
AGEC	5010	Farm Management	OR
AGEC	5100	Agribusiness Management	3

Elective Courses - See adviser for approved course listing.

AGRONOMY AND SOILS MINOR

17 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required. **Cr. Hr.**

AGRN	1000	Basic Crop Science	4
AGRN	2040	Basic Soil Science	4

Elective Courses - See adviser for approved course listing.

ANIMAL SCIENCES MINOR

15 -16 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required. **Cr. Hr.**

ANSC	1000	Introduction to Animal Sciences	4
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Elective Courses - See adviser for approved course listing.

ENTOMOLOGY MINOR

15 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required. **Cr. Hr.**

ENTM	3040	General Entomology	4
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Elective Courses - See adviser for approved course listing.

FISHERIES AND ALLIED AQUACULTURES MINOR

Junior (03) classification is required

15 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required. **Cr. Hr.**

FISH	2100	Introduction to Fisheries Science	6
FISH	5210	Principles of Aquaculture	3
FISH	5220	Water Science	3
FISH	5250	Aquaculture Production	4
FISH	5320	Limnology	4
FISH	5380	Ichthyology	4
FISH	5410	Introduction to Fish Health	2
FISH	5510	Fisheries Biology and Management	3

AGRICULTURAL LEADERSHIP STUDIES

18 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required. **Cr. Hr.**

AGRI	3800	Agricultural Leadership Development	2
AGRI	5840	Advanced Agricultural Leadership Development	3
ANSC	4800	Issues in Agriculture	2
POLI	2100	State and Local Government	3

Elective Courses - See adviser for approved course listing.

NATURAL RESOURCES ECONOMICS AND ENVIRONMENTAL POLICY MINOR

15 semester hours in Minor (minimum 12 hours at 3000 level or above)

Courses required. **Cr. Hr.**

ECON	2030	Macroeconomics	3
AGEC	5090	Resource Economics I	3
AGEC	4120	Env & Natural Res Economics	3

Elective Courses - See adviser for approved course listing.

PLANT PATHOLOGY MINOR

15 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required.	Cr. Hr.
PLPA 3000 General Plant Pathology	4
Elective Courses - See adviser for approved course listing.	

POULTRY SCIENCE MINOR

15 semester hours in Minor (minimum 12 hours at 3000 level or above)

Courses required.	Cr. Hr.
POUL 1000 Introductory Poultry Science	3
POUL 3030 Commerical Poultry Production	4
Elective Courses - See adviser for approved course listing.	

RURAL AND COMMUNITY DEVELOPMENT MINOR

15 semester hours in Minor (minimum 9 hours at 3000 level or above)

Courses required.	Cr. Hr.
RSOC 3620 Community Organization	3
SOCY 3700 Methods of Social Research	3
Elective Courses - See adviser for approved course listing.	

Agricultural Business and Economics (AGEC)

The curriculum provides broad technical training and a strong liberal arts and business background to prepare students for careers in a wide array of agribusiness and related fields.

Students may choose a general program of study, or select one of four career tracks that provides more specialized training in: (1) Agribusiness Management and Marketing that emphasizes training in business management, marketing/sales, and finance, (2) Farm Management that emphasizes management and decision-making skills at the farm level, (3) Natural Resources Management that trains students in resource issues and effective utilization of those resources, or (4) Community and Economic Development that emphasizes the roles of public and private entities in the developmental process. Programs are designed to help students reach their goals and help ensure a rewarding career.

Curriculum in Agricultural Business & Economics

FR	F	S		F	S
ECON		2020	Microeconomics.....	**	3
ENGL	1100	1120	English Composition I & II.....	3	3
HIST	1210	1220	Tech & Civl I & II	3	3
MATH	1680	1690	Calculus w/Bus. Applics I & II	4	3
SOCY	1000		Sociology: Global Perspective	3	**
			Core Fine Art.....	3	**
AGEC	2100		Microcomputer Applications	3	3
				16	15
SO					
BIOL	1020		Principles Biology.....	4	**
BIOL		1030	Organismal Biology	**	4
ECON	2030		Macroeconomics	3	**
ENGL	2200	2210	World Literature I & II	3	3
PHIL			1020 Ethics or 1040 Business Ethics	3	**
ACCT	2110	2210	Financial & Managerial Acct.....	3	3
STAT		2510	Statistics for Biology & Health Sci OR	**	**
STAT		2610	Statistics for Bus & Economics	**	3
COMM		1000	Public Speaking	**	3
				16	16
JR					
ECON	3020		Intermediate Microeconomics	3	**
ENGL	3080		Business Writing	3	**
AGEC	3010		Agribusiness Marketing	3	**
AGEC	4040		Agricultural Finance.....	**	3
AGEC	5950		Undergraduate Seminar.....	**	0
			Agriculture Elective	4	4
			Career Track Elective.....	2	7
				15	14
SR					
AGEC	4070		Agricultural Law	3	**
AGEC	4300		Agricultural Trade & Policy	**	3
AGEC	5010		Farm Management.....	**	3
AGEC	5030		Agricultural Princes	**	3
AGEC	5090		Resources Economics I	**	3
AGEC	5100		Agribusiness Management	3	**
			Career Track Elective.....	5	5
				14	14

TOTAL HOURS - 120

Career Track and Agricultural Electives: see adviser for approved list.

Agricultural Communications (AGCO)

The Agricultural Communications major provides graduates with training in a wide range of agricultural, biological and physical science courses, plus a strong background in journalism, general communications, and public relations subjects.

Many large agricultural media and medical technological operations, plus many magazine companies, publish highly technical material. Editors and writers of such publications need a knowledge of agricultural and technical subject matter and terminology, as well as communication skills. This combination is not found in other curricula.

Curriculum in Agricultural Communications

FR	F	S		F	S
BIOL	1020		Principles of Biology.....	4	**
BIOL		1030	Organismal Biology	**	4
ENGL	1100	1120	English Composition I & II	3	3
MATH	1130		Pre-Calculus with Trigonometry	3	**
C				
			Core History	3	3
			Core Social Science I.....	**	3
JRNL	1100		Newspaper Fundamental.....	**	3
				13	16
SO					
CHEM	1030	1040	Fund of Chemistry I & II.....	3	3
CHEM	1031	1041	Fund of Chemistry Lab I & II.....	1	1
ENGL	2200	2210	World Literature I & II.....	3	3
			Core Fine Arts	**	3
JRNL	2210		Newsriting	3	**
JRNL		2910	Practicum in Journalism	**	1
JRNL	2310		Reporting.....	**	3
AGEC	2100		Microcomputer Application	3	**
			POUL or ANSC	3-4	**
				16-17	14
JR					
ECON	2020		Microeconomics	3	**
			Core Philosophy	**	3
JRNL	3220		Feature Writing	3	**
JRNL	3410		Photo Journalism	3	**
JRNL	3470		Newspaper Editing/Design	**	3
RTVF	3380		Broadcast News	**	3
			RTVF 2340, Radio Production; OR.....		
			RTVF 2360, Television Production; OR		
			RTVF 2370, Electronic Field Production	**	3
			HORT or AGRN.....	4	**
COMM	1000		Public Speaking	3	**
AGEC	3010		Agricultural Marketing	**	3
				16	15
SUMMER					
JRNL	4920		Internship OR.....		
JRNL	4430		Journalism Workshop	3	
				3	
SR					
PRCM	3040		Found of Public Relations.....	3	**
RTVF		3350	Writing for TV/Radio/Film	**	3
JRNL	4470		Adv. Feature Writing OR.....		
JRNL	4230		Adv. Reporting OR.....		
JRNL	4460		Press Law and Ethics	3	**
AGEC	4070		Agricultural Law	**	3
AGRN	2040		Basic Soil Science	4	**
			Agricultural Elective.....	**	4
			Elective.....	3	3-4
				13	13-14

TOTAL HOURS - 120

Agricultural Elective - See Advisor for approved course listing.
HORT, AGRN, ANSC, POUL - See Advisor for approved course listing.

Agronomy and Soils (AGRN)

Courses prepare Agronomy graduates for: (1) turfgrass industry, (2) chemical industry, producers of fertilizers, herbicides and other agricultural chemicals; (3) farm-advisory agencies such as soil testing laboratories and other private consultants; (4) public farm-advisory agencies such as the Agricultural Extension Service or the Natural Resources Conservation Service; (5) research agencies of corporations, U.S. Department of Agriculture, colleges and universities and Agricultural Experiment Stations; (6) farming and (7) environmental agencies.

Curriculum in Agronomy & Soils - Production Track

FR	F	S		F	S
BIOL	1020		Principles of Biology.....	4	**
BIOL		1030	Organismal Biology	**	4
CHEM	1030	1040	Fundamentals Chemistry I & II.....	3	3

SO					
BIOL	3100	Plant Biology OR	**	3	
HORT	3000	Growth & Dev of Hort Plants.....			
HIST	1220	Technology & Civilization I & II.....	**	3	
ENGL	2200	World Literature I.....	**	3	
		Core Social Science Group I.....	**	3	
MATH	1610	Calculus I	**	4	
CHEM	2030	Organic Chemistry.....	**	3	
ECON	2020	Microeconomics	**	3	
AGRN	3120	Weed Science	**	4	
AGRN	3150	Turfgrass Management.....	**	4	
				15	15

JR					
ENGL	2210	World Literature II.....	**	3	
		Core Philosophy.....	**	3	
PLPA	3000	General Plant Pathology.....	**	4	
BSEN	3560	Golf Irrigation	**	3	
		Soil Elective.....	**	3	
		Internship*	**	**	
				16	0

SR					
ACCT	2910	Core Art.....	**	3	
ENTM	4020	Fund of Accounting Principles.....	**	3	
ENTM	5030	Economic Entm	**	4	
AGRN	3920	Insecticides	**	3	
AGRN	5950	Internship.....	**	3	
AGRN	5160	Senior Seminar.....	**	1	
AGRN	5020	Advanced Turfgrass.....	**	3	
AGRN	5020	Nutrient Management.....	**	3	
		Plant Science Elective	**	4	3
		ECON/MNGT Elective.....	**	3	3
				16	17

TOTAL HOURS - 122

*Internship: Spring semester junior year.

Animal Sciences (ANSC)

The department offers three curriculum options. The Pre-Vet/Pre-Professional option (ANPV) provides students with a foundation in the biological and physical sciences for careers in emerging areas of animal biotechnology while satisfying requirements for application to Auburn's College of Veterinary Medicine, other professional schools or graduate school. The Production/Management option (ANSC) offers greater breadth in animal production management and agribusiness while retaining more electives hours for additional curriculum flexibility. The Muscle Foods track (ANMF) prepares students for quality assurance and for research and development careers in the food industry. Students may use electives to develop expertise in fields such as animal breeding, nutrition, reproduction, growth, behavior, equine science, and companion animals.

Curriculum in Animal Sciences - Muscle Foods Track

FR	F	S		F	S
ENGL	1100	1120	English Composition	3	3
MATH	1130		Math	3	**
BIOL	1020		Principles of Biology.....	4	**
BIOL		1030	Organismal Biology	**	4
CHEM	1030	1040	Fund of Chemistry I & II	3	3
CHEM	1031	1041	Fund of Chemistry I & II Lab.....	1	1
ANSC	1000		Introduction to ANSC.....	**	4
ANSC	1100		Orientation to ANSC	1	**
				15	15
SO					
ECON	2020	2020	Principles of Microeconomics.....	**	3
ENGL	2200	2210	World Literature I & II.....	3	3
			Core Social Science Group 1	3	**
			Core History	3	3
CHEM	2030		Organic Chemistry	3	**
BIOL	2500	2510	Anat Physiol I & II	4	4
BIOL		3000	Genetics	**	4
				16	17
JR					
			Core Philosophy.....	3	**
			Core Fine Art.....	3	**
COMM	1000		Communication.....	**	3
ANSC	2700		Value-Based Mktg	2	**
ANSC	3310		Intro. Meat Selection	2	**
			MF Support**.....	**	3-4
			ANSC Core I*	**	3-4
ANSC	3700		Muscle Foods	**	4
ANSC	3800		Careers in Animal Ag	**	1
BCHE	3200		Principles of Biochemistry.....	**	3
				13	14-16

SR					
ANSC	4700	Meat Processing.....	4	**	
BIOL	3200	Microbiology.....	4	**	
		ANSC Core II*	**	4	
		MF Support**.....	4	**	
		Free Electives	3	9-11	
				15	13-15

TOTAL HOURS - 120

* ANSC Core I/II; choose two of these three courses; ANSC-3400, ANSC-3500, or ANSC-3600.

** Muscle Foods (MF) Support courses; see your advisor or the advising check sheet for ANMF.

Curriculum in Animal Sciences - Production Option

FR	F	S		F	S
ENGL	1100	1120	English Composition	3	3
MATH	1130		Math	3	**
BIOL	1020		Principles of Biology.....	4	**
BIOL		1030	Organismal Biology	**	4
CHEM	1030	1040	Fund of Chemistry I & II	3	3
CHEM	1031	1041	Fund of Chemistry I & II Lab.....	1	1
ANSC	1000		Introduction to ANSC.....	**	4
ANSC	1100		Orientation to ANSC	1	**
				15	15
SO					
ECON	2020	2020	Microeconomics.....	**	3
ENGL	2200	2210	World Literature I & II.....	3	3
			Core Social Science Group 1	3	**
			Core History	3	3
CHEM	2030		Organic Chemistry	3	**
BIOL	2500	2510	Anat Physiol I & II	4	4
BIOL		3000	Genetics	**	4
				16	17

JR					
			Core Philosophy.....	3	**
PHYS	1000		Foundations of Physics.....	4	**
ANSC	3400		Animal Nutrition	**	4
ANSC	3500		Animal Breeding.....	**	3
ANSC	3600		Reproductive Physiol.....	4	**
ANSC	3800		Careers in Animal Science	**	1
BCHE	3200		Principles of Biochemistry.....	3	**
			Directed Elective	**	4
AGEC	6000		Agribus Management	**	3
				14	15

SR					
			Core Art.....	3	**
COMM	1000		Communication	3	**
BIOL	3200		Microbiology.....	4	**
			Directed Elective	**	2-4
			Free Electives	4	10-12
				14	14

TOTAL HOURS - 120

Curriculum in Animal Sciences Pre-Vet - Pre-Professional Option

FR	F	S		F	S
ENGL	1100	1120	English Composition	3	3
MATH	1130		Math	3	**
BIOL	1020		Principles of Biology.....	4	**
BIOL		1030	Organismal Biology	**	4
CHEM	1030	1040	Fund of Chemistry I & II	3	3
CHEM	1031	1041	Fund of Chemistry I & II Lab.....	1	1
ANSC	1000		Introduction to ANSC.....	**	4
ANSC	1100		Orientation to ANSC	1	**
				15	15
SO					
ENGL	2200	2210	World Literature I & II.....	3	3
			Core Social Science Group 1	3	**
			Core History	3	3
			Core Art	**	3
CHEM	2070	2080	Organic Chemistry I & II.....	3	3
CHEM	2071	2081	Organic Chemistry Lab I & II.....	1	1
BIOL	2500	2510	Anat Physiol I & II	4	4
				17	17

Horticulture (HORT)

Courses prepare Horticulture graduates for the following careers; nursery manager, landscape designer, landscape installer, landscape maintenance, interior landscaping, plant propagator, city or state horticulturist, extension horticulturist, horticulture writer, horticulture teacher, florist shop manager, greenhouse manager, vegetable producer, orchard manager, chemical company representative, seed company representative or retail garden center manager.

Three undergraduate tracks are available to students in Horticulture: Landscape Horticulture, Nursery and Greenhouse Science and Fruit and Vegetable Production. Horticulture offers masters and doctoral degrees, which lead to professional positions in teaching, research and extension.

Curriculum in Nursery and Greenhouse Science

FR	F	S	F	S
BIOL	1020		Principles of Biology.....	4 **
BIOL		1030	Organismal Biology	** 4
CHEM		1030	Fundamentals of Chemistry	** 3
CHEM		1031	Fundamentals of Chemistry Lab	** 1
ENGL	1100	1120	English Composition I & II.....	3 3
MATH	1130		Pre-Calculus W/Trig OR	3 **
MATH	1150		Pre-Calculus Algebra & Trig.....	** 4
			Core History I & II.....	3 3
HORT	1010		Introduction to Horticulture	1 **
				14-15 14
SO				
ECON	2020		Microeconomics	3 **
ENGL	2200	2210	World Literature I & II.....	3 3
			Core Philosophy	3 3
COMM		1000	Public Speaking.....	** 3
AGRN	2040		Basic Soil Science	** 4
AGEC	2100		Microcomp App in Agriculture	** 3
			Social Science Group I	3 **
HORT		2240	Plant Propagation.....	** 3
HORT		3210	Small Trees, Shrubs & Vines.....	** 4
				16 16
JR				
			Core Fine Arts	** 3
PLPA	3000		General Plant Pathology	4 **
AGRN	3150		Turfgrass Management	4 **
ENTM		4020	Economic Entomology.....	** 4
HORT	3000		Growth & Dev. of Hort Plants	** 3
HORT	3220		Arboriculture.....	** 4
HORT	3950		Careers in Horticulture	** 1
HORT		4100	Herbaceous Ornamentals.....	** 4
			Group 1.....	** 3-4
				16 14-15
SR				
HORT	5220		Greenhouse Management Science.....	4 **
HORT	5230		Nursery Management.....	3 **
M				
			Group 1	3-4 **
			Group 2	3-4 3-4
			Electives	** 11-12
				13-15 14-16
			TOTAL HOURS - 120	

Group 1 and 2: see adviser for approved course listing.

Curriculum in Landscape Horticulture

FR	F	S	F	S
BIOL	1020		Principles of Biology.....	4 **
BIOL		1030	Organismal Biology	** 4
CHEM		1030	Fundamentals of Chemistry	** 3
CHEM		1031	Fundamentals of Chemistry Lab	** 1
ENGL	1100	1120	English Composition I & II.....	3 3
MATH	1130		Pre-Calculus W/Trig OR	3 **
MATH	1150		Pre-Calculus Algebra & Trig.....	** 4
			Core History I & II.....	3 3
HORT	1010		Introduction to Horticulture	1 **
				14-15 14
SO				
ECON	2020		Microeconomics	3 **
ENGL	2200	2210	World Literature I & II.....	3 3
			Core Philosophy	** 3
COMM		1000	Public Speaking.....	** 3
AGRN	2040		Basic Soil Science	** 4
AGEC	2100		Microcomp App in Agriculture	** 3
			Social Science Group 1	3 **
HORT		3240	Plant Propagation.....	** 3
HORT		3210	Small Trees, Shrubs & Vines.....	** 4
				16 16

JR

			Core Fine Arts	** 3
PLPA	3000		General Plant Pathology	4 **
AGRN	3150		Turfgrass Management	4 **
ENTM		4020	Economic Entomology.....	** 4
HORT	3000		Growth & Develop of Hort Plants	3 **
HORT	3220		Arboriculture.....	4 **
HORT	3950		Careers in Horticulture	1 **
HORT		4100	Herbaceous Ornamentals.....	** 4
HORT		4270	Intermediate Landscape Design	** 3
				16 14
SR				
HORT	5210		Landscape Bid, Install & Maint	** 4
			Group 1	6-8 **
			Group 2	3-4 3-4
			Electives.....	2-5 7-8
				14-15 14-16
			TOTAL HOURS - 120	

Group 1 and 2: see adviser for approved course listing.

Curriculum in Fruit and Vegetable Production

FR	F	S	F	S
BIOL	1020		Principles of Biology.....	4 **
BIOL		1030	Organismal Biology	** 4
ENGL	1100	1120	English Composition I & II.....	3 3
MATH	1130		Math	3 **
			Core Art	** 3
			Core History I & II.....	3 3
COMM		1000	Public Speaking.....	** 3
HORT	1010		Introduction to Horticulture	1 **
				14 16
SO				
CHEM	1030	1040	Fundamentals of Chemistry I & II	3 3
CHEM	1031	1041	Fundamentals of Chemistry I & II Lab	1 1
ENGL	2200	2210	World Literature I & II.....	3 3
			Core Philosophy.....	3 **
ACCT		2910	Fund of Accounting	** 3
HORT	2010		Fruit and Nut Production.....	4 **
HORT		2030	Vegetable Production.....	** 3
HORT		3240	Plant Propagation.....	** 3
				14 16
JR				
AGEC	2100		Microcomp. App in Agriculture.....	** 3
PLPA	3000		General Plant Pathology	4 **
ENTM		4020	Economic Entomology.....	** 4
			Social Science Group 1	3 **
ECON	2020		Prin. Microeconomics.....	** 3
			Group 1 or 2.....	3-4 3-4
HORT	3000		Growth & Dev of Hort Plants	3 **
HORT		5120	Small Fruit & Pecan Culture.....	** 3
				13-14 16-17
SUMMER				
HORT	5110		Tree Fruit Culture	3
SR				
HORT	5130		Sustain Veg Crop Production	3 **
HORT	5140		Postharvest Biology & Tech.....	** 3
			Group 1 or 2.....	** 3-4
AGRN	2040		Basic Soil Science	4 **
			Electives	7 3-5
				14 12-16
			TOTAL HOURS - 120	

Horticulture Elective Group 1 and 2: see adviser for approved course listing.

Poultry Science (POUL)

This curriculum is designed to develop technical, analytical, communication, business and management skills needed for advancement to leadership positions in the live poultry production, poultry food product production, and allied agricultural industries. Graduates will be able to apply their knowledge of science, economics, business and ethics to identify, analyze and responsibly address challenges associated with poultry production and the production of nutritious, wholesome and safe poultry products for the modern consumer. Professional and general electives allow students to pursue expertise in their individual area of interest. Although not specifically required, enrollment in summer internship is encouraged and accepted as professional elective credit.

Curriculum in Poultry Science

FR	F	S		F	S
AGEC		2100	Microcomp in Agriculture.....	**	3
CHEM	1030	1040	Introduction to Chemistry I & II	3	3
CHEM	1031	1041	Introduction to Chemistry I & II Lab	1	1
ENGL	1110	1120	English Composition I & II.....	3	3
MATH	1130		Pre-Calculus w/Trigonometry.....	3	**
			Social Science Group I.....	**	3
COMM		1000	Public Speaking.....	**	3
POUL	1000		Introductory Poultry Science.....	3	**
				13	16
SO					
			Core History	3	3
			Core Philosophy.....	3	**
ECON		2020	Microeconomics.....	**	3
ENGL	2200	2210	World Literature I & II.....	3	3
BIOL	1020		Principles of Biology.....	4	**
BIOL		1030	Organismal Biology.....	**	4
PHYS		1000	Foundations of Physics.....	**	4
CHEM	2030		Survey Organic Chemistry.....	3	**
				16	17
JR					
			Core Fine Arts.....	3	**
BCHE		3200	Principles of Biochemistry.....	**	3
POUL	3030		Comm Poultry Production.....	4	**
POUL		3150	Poultry Physiology.....	**	4
POUL		3060	Brd, Frt, & Htch.....	**	4
STAT	2510		Introduction to Statistics.....	3	**
			Professional Electives.....	4	4
				14	15
SR					
AGEC		6000	Agribusiness Management.....	**	3
			COMM 2410 or ENGL 3040 or ENGL 3080.....	**	3
BIOL	3200		Microbiology.....	4	**
POUL	5050		Poultry Feeding.....	4	**
POUL		5080	Poultry Health.....	**	3
POUL	5110		Poultry Process.....	3	**
POUL		5160	Principles Food Safety.....	**	3
			General Electives.....	**	2
			Professional Electives.....	4	**
				15	14

TOTAL HOURS - 120

Professional electives see advisor for approved list.

Poultry Science Pre-Veterinary Medicine

This curriculum develops technical, analytical and communication skills, as well as the broad scientific knowledge base needed for success in technical and research positions in the poultry and allied industries, or post-graduate programs leading to advanced degrees in the sciences;

such as, the Master of Science, Doctor of Philosophy or Doctor of Veterinary Medicine. Courses listed for the first six semesters (91 hours) satisfy requirements for admission to the College of Veterinary Medicine. Completion of the remaining requirements or one year in the College of Veterinary Medicine entitles the student to a B.S. degree in Poultry Science.

Curriculum in Poultry Science/Pre-Veterinary Medicine

Poultry Science/Pre-Veterinary Medicine					
FR	F	S		F	S
BIOL	1020		Principles of Biology.....	4	**
BIOL		1030	Organismal Biology.....	**	4
CHEM	1030	1040	Introduction to Chemistry I & II	3	3
CHEM	1031	1041	Introduction to Chemistry I & II Lab	1	1
MATH	1130		Pre-Calculus w/Trigonometry.....	3	**
ENGL	1110	1120	English Composition I & II.....	3	3
POUL		1000	Introductory Poultry Science.....	**	3
				14	14
SO					
ENGL	2200	2210	World Literature I & II.....	3	3
			Core History	3	3
			Core Fine Arts.....	3	**
			Core Philosophy.....	**	3
ECON		2020	Microeconomics.....	**	3
CHEM	2070	2080	Organic Chemistry I & II.....	3	3
CHEM	2071	2081	Organic Chemistry I & II Lab.....	1	1
			Social Science Group I	3	**
				16	16
JR					
PHYS	1500	1510	General Physics I & II & Labs (1501, 1511) ..	4	4
BCHE	3200		Principles of Biochemistry.....	3	**
BIOL	3000		Genetics.....	4	**
BIOL		3200	Microbiology.....	**	4
POUL	3030		Comm Poul Production.....	4	**
POUL		3060	Brd, Frt, & Htch.....	**	4
POUL		3150	Poultry Physiol.....	**	4
				15	16
SR					
AGEC		2100	Microcomp. App. in Agriculture.....	**	3
STAT		2510	Statistics	**	3
COMM	1000		Public Speaking	3	**
POUL	5050		Poultry Feeding.....	4	**
POUL		5160	Principle Food Safety.....	**	3
POUL	5110		Process & Market.....	3	**
POUL		5080	Poultry Health.....	**	3
			General Elective.....	4	3
				14	15

TOTAL HOURS - 120

Professional electives see advisor for approved list.