

# The Division of Agriculture and Forest Resources

## AGRICULTURAL BUSINESS TECHNOLOGY

The two-year program is designed to prepare a student for employment in occupations in agricultural management, mid-management or marketing which require an agricultural college education but not necessarily a senior college degree. The course of study includes a general education core, general business and agribusiness courses, plus a choice of agricultural specialties. Upon completion of the graduation requirements, an Associate of Applied Science degree in Agricultural Business Technology is awarded.

<b>COURSES</b>	<b>Hours</b>
ACCT 2101 Principles of Accounting I.....	3
AECO 1150 Farm Organization and Management.....	3
AECO 2260 Agricultural Marketing.....	3
CISM 2201 Fundamentals of Computer Applications.....	3
COMM 1100 Human Communications .....	3
ENGL 1101 Composition I .....	3
ENGL 1102*Composition II .....	3
HIST 2112 United States History II .....	3
MATH 1002 Technical Mathematics (or higher).....	3
POLS 1101 American Government.....	3
Agricultural Specialty: Select any 3 courses from the following areas:	
Agricultural Engineering	
Animal Science	
Crop Science	
Soil Science	
Agriculture	
	<b>subtotal 9-10 hrs</b>
Business Specialty: Select any 2 classes from either of the following areas:	
Marketing	
Management	
	<b>subtotal 6 hrs.</b>
ACCT 2102 Principles of Accounting II <b>OR</b>	
BUSA 2155 Business Law <b>OR</b>	
BUSA 2106 The Environment of Business .....	3
Humanities Elective (see page 140).....	3
Internship** .....	12
PHED 1100 and two PE activities	
	<b>TOTAL 63-64</b>

\* Grade of "C" or better in ENGL 1102.  
 \*\*Internship options are AGRI 2202, 2203, 2204, 2205 or 2206. A student must complete 30 hours of course work before taking any internship course.

## LIVESTOCK PRODUCTION TECHNOLOGY

The Livestock Production Tech curriculum is designed for students interested in careers in the production, marketing and utilization of livestock. Knowledge of business management and marketing is combined with knowledge and experiential learning in livestock genetic selection, feeding, health, and reproduction. A student completing this course work will receive the Associate of Applied Science degree in Agricultural Technology.

<b>COURSES</b>	<b>Hours</b>
CISM 2201 Fundamentals of Computer Applications .....	3
COMM 1100 Human Communications .....	3
ENGL 1101*Composition I .....	3
ENGL 1102*Composition II .....	3
HIST 2112 United States History II. ....	3
Humanities Elective (see page 140).....	3
MATH 1002*Technical Mathematics (or higher) .....	3
POLS 1101 American Government.....	3
AGRI 2100 Livestock Computer Software Application .....	1
AGRI 2208**Internship .....	12
ASLH 1000 Careers in the Livestock Industry.....	3
ASLH 1120 Herd Health .....	3
ASLH 2010/2010L Intro to Animal Science/Lab .....	4
ASLH 2215 Feeding Farm Animals.....	3
Electives in General Agriculture* (prefer ASLH 2225).....	3
Choose one of the following five Option Areas	
<u>Beef Option:</u>	
ASLH 1110 Food Animal Evaluation and Selection .....	3
ASLH 2205 Beef Cattle Production .....	3
AGRY 1110 Forage Crops and Pastures .....	3
MGMT 2166 Small Business Management .....	3
<u>Swine Option:</u>	
ASLH 1110 Food Animal Evaluation and Selection .....	3
ASLH 2210 Swine Production I.....	3
ASLH 2211 Swine Production II.....	3
MGMT 2167 Human Resource Management.....	3
<u>Dairy Option:</u>	
AENT 1110 Farm Machinery and Equipment OR	
AENT 1120 Principles of Engines .....	3
AGRY 1110 Forage Crops and Pastures .....	3
ASLH 2203 Elements of Dairying .....	3
MGMT 2166 Small Business Management OR	
MGMT 2167 Human Resource Management.....	3
<u>Equine Option:</u>	
AENT 1113 Power Equipment.....	3
AGRY 1110 Forage Crops and Pastures .....	3
ASLH 2220 Horse Production .....	3
ASLH 2221 Horse Production II .....	3

Poultry Option:

AENT 1113 Power Equipment.....	3
ASLH 1125 Introduction to Poultry Science .....	3
ASLH 2228 Poultry Production and Management.....	3
MGMT 2167 Human Resource Management.....	3

**TOTAL 65**

PHED 1100 and two PE activities  
Regents' Test

\*A student is required to earn a "C" or higher in the following courses used to complete the graduation requirement for this degree: ENGL 1101, 1102; MATH 1002 or higher; all ASLH and AGRI courses.

\*\*A student must complete 30 hours of course work before taking any internship course.

## AGRICULTURE PRODUCTION TECHNOLOGY

The Agriculture Production curriculum is designed for a student desiring preparation in the production sector of agriculture. This training affords the student knowledge that will be of immediate value on a diversified farm. A student completing this course work will receive the Associate of Applied Science degree in Agricultural Technology.

<b>COURSES</b>	<b>Hours</b>
ACCT 2101 Principles of Accounting I.....	3
CISM 2201 Fundamentals of Computer Applications.....	3
COMM 1100 Human Communications .....	3
ECON 2106 Principles of Microeconomics.....	3
ENGL 1101*Composition I .....	3
ENGL 1102*Composition II .....	3
HIST 2112 United States History II .....	3
Humanities Elective (see page 140).....	3
MATH 1111 College Algebra .....	3
POLS 1101 American Government.....	3
AECO 1150 Farm Organization and Management.....	3
AENG 2207 Metal Technology .....	3
AENT 1110 Farm Machinery and Equipment.....	3
AGRP 1125 Fundamentals of Plant Protection.....	3
AGRP 1126 Pesticide Management .....	1
AGRY 2020 Soils and Fertilizers .....	4
AGRY 2030 Field Crop Production.....	3
ASLH 2010/2010L Intro to Animal Science/Lab .....	4
Internship** .....	12
PHED 1100 and two PE activities	
Regents' Test	
<b>TOTAL 66</b>	

\* Grade of "C" or better in ENGL 1101 and ENGL 1102.

\*\*Internship options are AGRI 2202, 2203, 2204, 2205 or 2207. A student must complete 30 hours of course work before taking any internship course.

## AGRICULTURAL ENGINEERING TECHNOLOGY

The Agricultural Engineering Technology Program is designed to educate a student in the repair, service, operation, and marketing of equipment used in agricultural production, industrial applications, and turfgrass management. This program of study is intended to provide young men and women with the education needed for entry-level positions in both the agricultural and industrial equipment areas. A student will also have received sufficient courses in the general education area to allow for rising to middle management level positions. Typical employment opportunities include parts manager, service manager, or service representative. Upon completion of the program of study, the student is eligible for the Associate of Applied Science degree in Agricultural Engineering Technology.

A grade of less than C indicates a level of knowledge that is unacceptable in a professional field. A student is required to earn a C or better in **all** AENG/AENT courses.

BUSA 1105 Introduction to Business .....	3
CISM 2201 Fundamentals of Computer Applications .....	3
COMM 1100 Human Communications .....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 United States History II.....	3
Humanities Elective (see page 140).....	3
MATH 1002 Technical Mathematics (or higher) .....	3
POLS 1101 American Government.....	3
AECO 2258 Agricultural Economics <b>OR</b>	
ECON 2106 Principles of Microeconomics .....	3
AENG 2207 Introductory Metal and Wood Technology .....	3
AENT 1110 Farm Machinery and Equipment.....	3
AENT 1120 Principles of Engines .....	3
AENT 2213 Principles of Hydraulics.....	3
AENT 2269*Internship.....	12
AENT 2280 Farm Electrification .....	3
A student should select three of the following classes:	
AECO 1150 Farm Organization and Management .....	3
AECO 2260 Agricultural Marketing .....	3
AENG 2210 Surveying .....	3
AENT 2220 Drainage, Irrigation & Erosion Control.....	3
AGRP 1125 Fundamentals of Plant Protection .....	3
AGRY 1110 Forage Crops and Pastures .....	3
AGRY 2020 Soils and Fertilizers.....	4
AGRY 2030 Field Crop Production .....	3
ASLH 1110 Livestock Evaluation and Selection .....	3
ASLH 1115 Livestock Production .....	3
ASLH 2010/ASLH 2010L Intro to Animal Science/Lab .....	4
FRSC 1190 Natural Resource Conservation .....	3
FRSC 1192 Forest Wildlife Management.....	3
HORT 2232 Turf Pest Management .....	3
PHED 1100 and two PE activities	

**TOTAL 66-68**

\*A student must complete 30 hours of course work before taking AENT 2269.

## FOREST TECHNOLOGY

The objective of this major is to educate students in the basic concepts and practical techniques of forestry. It is intended that graduates will function in a supporting capacity to professional foresters in private, state, and federal organizations.

To receive the Associate of Applied Science degree in Forestry, a student must complete the following courses. A minimum grade of "C" is required for successful completion of ENGL 1101, ENGL 1102 MATH 1002, and all courses with an FRSC prefix. First year courses are listed in the general order in which they should be taken. ENGL 1101, MATH 1002, FRSC 1190 and AENT 1113 must be successfully completed prior to taking the second year "blocks".

### FIRST YEAR

Course	Hours
ENGL 1101 Composition I .....	3
MATH 1002 Technical Mathematics.....	3
FRSC 1190 Natural Resource Conservation .....	3
AENT 1113 Power Equipment .....	3
ENGL 1102 Composition II .....	3
COMM 1100 Human Communications .....	3
HIST 2112 United States History II .....	3
Humanities Elective (see page 140) .....	3
POLS 1101 American Government.....	3

### SECOND YEAR

Course	Hours
FRSC 1155 Microcomputers in Forest Resources.....	2
FRSC 1170 Dendrology.....	3
FRSC 2225 Forest Measurements I.....	2
FRSC 2230 Forest Ecology & Soils .....	4
FRSC 2235 Forest Surveying & Mapping.....	4
FRSC 2240 Forest Safety .....	1
FRSC 2243 Geographic Info Systems.....	4
FRSC 2250 Forest Protection .....	2
FRSC 2255 Forest Measurements II.....	5
FRSC 2265 Silviculture .....	4
FRSC 2270 Principles of Supervision .....	2
FRSC 2275 Forest Industries .....	2
FRSC 2280 Forest Harvesting .....	2
FRSC 2285 Forestry Seminar.....	1
FRSC 2290 Timber Management .....	5
PHED 1100 and two PE activities	
Regents' Test	

**TOTAL 70**

NOTE: Courses in each term of the second year are taken together as a unit.

## WILDLIFE TECHNOLOGY

The objective of this major is to educate a student in the basic concepts and techniques of Wildlife Management. It is intended that a student who graduates under this program will function in a supporting capacity to professionals employed by private, state, and federal organizations. To receive the Associate of Applied Science degree in Wildlife Technology, a student must complete the following courses. A grade of C or better is required in ENGL 1101, MATH 1002, and all courses with an FRSC prefix.

### First Year

<b>COURSES</b>	<b>Hours</b>
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
MATH 1002 Technical Mathematics (or higher).....	3
AENT 1113 Power Equipment .....	3
FRSC 1170 Dendrology.....	3
FRSC 1130 Soils & Herbaceous Vegetation .....	3
FRSC 1140 Forest Measurements & Mapping I .....	3
FRSC 1155 Microcomputers in Forest Resources.....	2
FRSC 1190 Natural Resource Conservation .....	3
FRSC 1192 Forest Wildlife Management .....	3
HIST 2112 United States History II .....	3

### Summer Session

<b>COURSES</b>	<b>Hours</b>
FRSC 2240 Forest Safety .....	1
FRSC 2260 Conservation Law Enforcement.....	3
FRSC 2261 Forest Game Management .....	3
FRSC 2262 Aquatic Resource Management .....	3
Elective (not required for degree)	
FRSC 2266 Aquatic Habitat Management.....	3

### Second Year

<b>COURSES</b>	<b>Hours</b>
BIOL 2107/2107L Principles of Biology I/Lab .....	4
BIOL 2108/2108L Principles of Biology II/Lab .....	4
FRSC 1160 Forest Surveying .....	3
FRSC 1135 Nongame Wildlife .....	2
FRSC 2265 Silviculture .....	4
FRSC 2263 Advanced Wildlife Technology.....	3
FRSC 2270 Principles of Supervision .....	2
POLS 1101 American Government.....	3
COMM 1100 Human Communications .....	3
FRSC 2264 Wildlife Seminar .....	1
Humanities Elective (see page 140) .....	3

PHED 1100 and two PE activities  
Regents' Test

**TOTAL 74-77**

## FAMILY AND CONSUMER SCIENCES TECHNOLOGY

The two-year Family and Consumer Sciences program offers four programs of study designed to prepare students for employment in Family and Consumer Sciences related occupations. Upon completion of the selected option, the student is eligible to receive the Associate of Applied Science degree in Family and Consumer Sciences.

### Children and Family Services

This curriculum is appropriate for a student wishing to prepare for work with young children in public nursery schools, day care centers, child-serving agencies, children’s clinics and hospitals, and agencies dealing with family adjustment.

<b>COURSES</b>	<b>Hours</b>
CISM 2201 Fundamentals of Computer Applications.....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
FACS 1100 Career Exploration .....	1
FACS 1103 Introduction to Child Development.....	3
FACS 1151 Wellness Nutrition .....	3
FACS 2211 Children’s Creative Activities .....	3
FACS 2206 Experiential Learning .....	3
FACS/SOCI 2293 Introduction to Marriage and Family.....	3
GNDR 1101 Introduction to Gender Studies.....	3
HIST 2112 United States History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics (or higher).....	3
POLS 1101 American Government.....	3
PSYC 1101 Introduction to General Psychology .....	3
PSYC 2103 Human Growth and Development <b>OR</b>	
SOCI 2400 Human Services Lab in Field Work.....	3
SOCI 1101 Introduction to Sociology .....	3
COMM 1100 Human Communications .....	3
SOCI 2110 Human Services and Social Policy .....	3
Select 5 of the following courses:	
BUSA 1105 Introduction to Business.....	3
EDUC 2110 Investigating Critical and Contemporary Issues in Education .....	3
EDUC 2130 Exploring Learning and Teaching .....	3
FACS 2212 Early Childhood Care and Education Program Management .....	3
FACS 2220 Consumer Economics .....	3
FACS 2225 Professional Development .....	3
PSYC 2201 Introduction to Abnormal Behavior .....	3
SOCI 1160 Introduction to Social Problems.....	3
SPAN 1001 Introductory Spanish (or higher).....	3
PHED 1100 and two PE activities	

**TOTAL 70**

## Fashion Merchandising

This option consists of organized subject matter and learning experiences related to the variety of sales, fashion coordination, and sales-supporting tasks performed by marketing employees and management personnel in retail or wholesale establishments primarily engaged in selling clothing of all kinds, related articles for personal wear and adornment, and/or home furnishings and decorations.

<b>COURSES</b>	<b>Hours</b>
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 United States History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics (or higher) .....	3
COMM 1100 Human Communications .....	3
POLS 1101 American Government.....	3
CISM 2201 Fundamentals of Computer Applications.....	3
ECON 2105 Principles of Macroeconomics <b>OR</b>	
ECON 2106 Principles of Microeconomics.....	3
FACS 1100 Career Exploration .....	1
FACS 1120 Textile Construction .....	3
FACS 2225 Professional Development.....	3
ACCT 2101 Principles of Accounting I.....	3
FACS 1101 Fashion Fundamentals.....	3
FACS 2214 Clothing & Consumer Behavior .....	3
FACS 2224 Textiles for Consumers.....	3
FACS 2293/SOCI 2293 Intro to Marriage & Family .....	3

Business Specialty: Select 4 classes from the following areas:

- Marketing
- Management

Select 2 of the following courses:

FACS 2220 Consumer Economics .....	3
FACS 2206 Experiential Learning.....	3
ARTS 1010 Drawing .....	3
ARTS 1020 Two Dimensional Design .....	3
ARTS 1030 Three Dimensional Design.....	3

PHED 1100 and two PE activities

**Total 67**

## Interior Design

This curriculum is appropriate for a student wishing to prepare for work as an interior design consultant, and home furnishings buyer or coordinator.

<b>COURSES</b>	<b>Hours</b>
ARTS 1010 Drawing <b>OR</b>	
ARTS 1030 Three Dimensional Design .....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 United States History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics (or higher) .....	3
POLS 1101 American Government .....	3
COMM 1100 Human Communications .....	3
CISM 2201 Fundamentals of Computer Applications .....	3
FACS 1100 Career Exploration .....	1
FACS 2275 Housing & Interiors .....	3
FACS 2279 Special Problems in Interiors .....	3
FACS 2290 Residential Interiors & Furnishings .....	3
FACS 1161 Interior Systems & Equipment .....	3
FACS 2225 Professional Development .....	3
FACS 1120 Textile Construction .....	3
FACS 2220 Consumer Economics .....	3
FACS 2293/SOCI 2293 Intro to Marriage & Family .....	3
FACS 2224 Textiles for Consumers .....	3
HORT 2215 Landscape Design .....	4
Select 3 of the following courses:	
ARTS 1010 Drawing <b>OR</b>	
ARTS 1030 Three Dimensional Design (if not taken above) .....	3
ARTS 1020 Two Dimensional Design .....	3
ACCT 2101 Principles of Accounting I .....	3
FACS 2206 Experiential Learning .....	3
MGMT 2166 Small Business Management .....	3
MGMT 2167 Human Resource Management .....	3
MKTG 2175 Principles of Marketing .....	3
MKTG 2176 Advertising and Sales Promotion .....	3
MKTG 2177 Personal Selling .....	3
PHED 1100 and two PE activities	
<b>TOTAL 68</b>	

## ENVIRONMENTAL HORTICULTURE TECHNOLOGY

Commercial Turf Management  
Golf Turf Management  
Ornamental Production

Golf Clubhouse Management  
Landscape Design and Grounds Management  
Sports Turf Management

Environmental Horticulture Technology offers training and education in these specialized areas for men and women. As highly skilled technicians and supervisory personnel, graduates obtain gainful employment in one of these highly specialized turfgrass, ornamental and landscape, or environmental industries. This program provides the individual with a detailed understanding of the technical requirements of the industry and helps the student develop the skills needed as golf course superintendent, sports field managers, professional lawn care managers, turf production managers, landscape designers and managers, and horticulturalists. Also, the program allows students the opportunity to further develop critical and logical thinking and problem solving skills, as well as information literacy skills, needed in the work place. Students trained in this program will find employment with golf courses, sports fields, commercial properties, contract maintenance, garden centers, athletic and recreational areas, production and retail nurseries, schools, colleges, lawn maintenance and landscape companies, and related horticultural and agronomic service and/or production careers. The Golf Clubhouse Management option prepares students to become assistant clubhouse managers at golf courses.

To be eligible to receive the Associate of Applied Science degree in Environmental Horticulture, each student must complete the required courses of one specific management area. A grade of C or better is required for graduation in ENGL 1101, MATH 1002, and all classes with AGRP, AGRY and HORT prefixes.

Many students earn at least two of the above degrees to better prepare them for the work force, and improve their employability. The program is a mix of traditional and nontraditional students. Many nontraditional students enter the program with a previous degree and complete the technical classes within a year. Students lacking sufficient job training are encouraged to participate in a minimum of two internship (on job training) programs. Also students are encouraged to become a student member of the state and/or national professional trade organization (ie. Golf Course Superintendents Association of America, Georgia Golf Course Superintendents Association, Professional Landcare Network, Club Managers Association of America, American Association of Nurserymen, Southern Nurserymen Association, Georgia Green Industry Association, etc.) as applicable to their chosen major. Scholarships are available to specific majors from industry and professional organizations.

Student clubs in the department include The ABAC Student Chapter of the Golf Course Superintendents Association of America (Turf Club) and The Horticulture Club. The Torbett-Dobrosky Golf Facility on campus provides multiple experiential learning activities. Also, the college has its very own golf course, Forest Lakes Golf Club, which provides multiple experiential learning opportunities through teaching, demonstration, and competency performance for many of our students not only in golf turf and environmental horticulture but also in the many disciplines of agriculture. Furthermore, students get the opportunity to participate as tournament volunteers in course preparation and setup at select golf tournaments and participate in college representation at international meetings of GCSAA, STMA, etc.

## ENVIRONMENTAL HORTICULTURE TECHNOLOGY

### Commercial Turf Management

COURSES	Hours
CISM 2201 Fundamentals of Computer Applications.....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 U. S. History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics.....	3
POLS 1101 American Government.....	3
COMM 1100 Human Communication.....	3
AGRP 1126 Pesticide Applications.....	1
AGRP 1125 Fundamentals of Plant Protection or	
AGRY 2020 Soils and Fertilizers .....	3 - 4
HORT 2250*Commercial Turf Intern (Experiential Learning) .....	12*
HORT 2231 Turfgrass Science and Technology .....	3
HORT 2232 Turf and Ornamental Pest Management.....	3
HORT 2234 Commercial Turf Management .....	3
HORT 2239 Grounds Irrigation Systems .....	3
HORT 2270 Woody Ornamental Plant Identification.....	3
Select 6 hours from the following:	
ACCT 2101 Principles of Accounting I .....	3
FACS 2225 Professional Development .....	3
MGMT 2167 Human Resource Management .....	3
SPAN 1110 Spanish for Green Industry Professionals .....	3
Select 6 hours from below with advisor approval:	
HORT 2201 Principles of Horticulture .....	3
HORT 2202 Grounds Maintenance Equipment.....	3
HORT 2208 Experiential Learning in Turfgrass.....	3
HORT 2233 Golf Course Design and Management .....	3
HORT 2236 Environmental Issues.....	3
HORT 2238 Fundamentals of Grinding Technology .....	3
HORT 2241 Grounds Management.....	4
<b>TOTAL 67-68</b>	

PHED 1100 and two PE activities

\*Student must complete 30 semester hours of course work and receive advisor approval before taking HORT 2250. HORT 2280 (Internship II) is available to students lacking in experience and needing additional internship training.

**ENVIRONMENTAL HORTICULTURE TECHNOLOGY  
MARKETING**

**Golf Clubhouse Management**

This option consists of a combination of basic business, turfgrass management, golf clubhouse management, and general education courses designed to prepare a graduate to enter a golf club as an assistant manager or other entry level management training position. The internship must offer extensive training experiences needed to prepare a graduate for entry level management positions. Students who complete this curriculum will receive an Associate of Applied Science in Golf Clubhouse Management.

<b>COURSES</b>	<b>Hours</b>
ACCT 2101 Principles of Accounting I.....	3
CISM 2201 Fundamentals of Computer Applications.....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II.....	3
FACS 2225 Professional Development or	
SPAN 1110 Spanish for Green Industry Professionals .....	3
HIST 2112 U. S. History II .....	3
Humanities Elective (see page 140) .....	3
HORT 2231 Turfgrass Science and Technology .....	3
HORT 2233 Golf Course Design & Management.....	3
MATH 1002 Technical Mathematics.....	3
MGMT 2165 Principles of Management .....	3
HORT 2290*Golf Clubhouse Intern (Experiential Learning) .....	12
HORT 2291 Golf Clubhouse Operations .....	3
HORT 2292 Golf Clubhouse Management .....	3
HORT 2293 Experiential Learning in Golf Clubhouse or	
BUSA 2155 Business Law.....	3
MGMT 2167 Human Resource Management .....	3
MKTG 2175 Principles of Marketing or	
MKTG 2176 Advertising and Sales Promotion .....	3
POLS 1101 American Government.....	3
COMM 1100 Human Communication.....	3
<b>TOTAL 66</b>	

PHED 1100 and two PE activities

\*Student must complete 30 semester hours of course work and receive advisor approval before taking HORT 2290. HORT 2280 (Internship II) is available to students lacking in experience and needing additional internship training.

## ENVIRONMENTAL HORTICULTURE TECHNOLOGY

### Golf Turf Management

COURSES	Hours
CISM 2201 Fundamentals of Computer Applications.....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 U. S. History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics.....	3
POLS 1101 American Government.....	3
COMM 1100 Human Communication.....	3
AGRP 1126 Pesticide Applications.....	1
AGRP 1125 Fundamentals of Plant Protection or	
AGRY 2020 Soils and Fertilizers .....	3 - 4
HORT 2230*Golf Turf Intern (Experiential Learning) .....	12*
HORT 2231 Turfgrass Science and Technology .....	3
HORT 2232 Turf and Ornamental Pest Management.....	3
HORT 2233 Golf Course Design & Management.....	3
HORT 2239 Grounds Irrigation Systems.....	3
HORT 2270 Woody Ornamental Plant Identification.....	3
Select 6 hours from the following:	
ACCT 2101 Principles of Accounting I .....	3
FACS 2225 Professional Development .....	3
MGMT 2167 Human Resource Management .....	3
SPAN 1110 Spanish for Green Industry Professionals .....	3
Select 6 hours from below with advisor approval:	
HORT 2201 Principles of Horticulture .....	3
HORT 2202 Grounds Maintenance Equipment.....	3
HORT 2208 Experiential Learning in Turfgrass.....	3
HORT 2234 Commercial Turf Management.....	3
HORT 2236 Environmental Issues.....	3
HORT 2237 Sports Turf Management .....	3
HORT 2238 Fundamentals of Grinding Technology .....	3
HORT 2241 Grounds Management.....	4
HORT 2291 Golf Clubhouse Operations.....	3
HORT 2292 Golf Clubhouse Management.....	3
<b>TOTAL 67-68</b>	
PHED 1100 and two PE activities	

\*Student must complete 30 semester hours of course work and receive advisor approval before taking HORT 2230. HORT 2280 (Internship II) is available to students lacking in experience and needing additional internship training.

**ENVIRONMENTAL HORTICULTURE TECHNOLOGY**

**Landscape Design and Grounds Management**

<b>COURSES</b>	<b>Hours</b>
CISM 2201 Fundamentals of Computer Applications.....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 U. S. History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics.....	3
POLS 1101 American Government.....	3
COMM 1100 Human Communication.....	3
AGRP 1126 Pesticide Applications.....	1
AGRP 1125 Fundamentals of Plant Protection or	
AGRY 2020 Soils and Fertilizers .....	3 - 4
HORT 2215 Landscape Design .....	4
HORT 2232 Turf and Ornamental Pest Management.....	3
HORT 2240*Grounds Intern (Experiential Learning).....	12
HORT 2241 Grounds Management.....	4
HORT 2270 Woody Ornamental Plant Identification.....	3
Select 6 hours from the following:	
ACCT 2101 Principles of Accounting I .....	3
FACS 2225 Professional Development .....	3
MGMT 2167 Human Resource Management .....	3
SPAN 1110 Spanish for Green Industry Professionals .....	3
Select 6 hours from below with advisor approval:	
HORT 2201 Principles of Horticulture .....	3
HORT 2202 Grounds Maintenance Equipment.....	3
HORT 2207 Experiential Learning in Landscaping.....	3
HORT 2231 Turfgrass Science and Technology .....	3
HORT 2233 Golf Course Design and Management .....	3
HORT 2236 Environmental Issues.....	3
HORT 2239 Grounds Irrigation Systems .....	3
HORT 2261 Nursery Crop Production.....	4
HORT 2271 Herbaceous Ornamental Plant Identification .....	3
<b>TOTAL 66-67</b>	

PHED 1100 and two PE activities

\*Student must complete 30 semester hours of course work and receive advisor approval before taking HORT 2240. HORT 2280 (Internship II) is available to students lacking in experience and needing additional internship training.

**ENVIRONMENTAL HORTICULTURE TECHNOLOGY**

**Ornamental Production**

<b>COURSES</b>	<b>Hours</b>
CISM 2201 Fundamentals of Computer Applications.....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 U. S. History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics.....	3
POLS 1101 American Government.....	3
COMM 1100 Human Communication.....	3
AGRP 1126 Pesticide Applications.....	1
AGRP 1125 Fundamentals of Plant Protection or	
AGRY 2020 Soils and Fertilizers .....	3 - 4
HORT 2201 Principles of Horticulture .....	3
HORT 2220*Production Intern (Experiential Learning).....	12
HORT 2221 Greenhouse Operations and Management.....	4
HORT 2261 Nursery Crop Production .....	4
HORT 2270 Woody Ornamental Plant Identification.....	3
Select 6 hours from the following:	
ACCT 2101 Principles of Accounting I .....	3
FACS 2225 Professional Development .....	3
MGMT 2167 Human Resource Management .....	3
SPAN 1110 Spanish for Green Industry Professionals .....	3
Select 6 hours from below with advisor approval:	
HORT 2202 Grounds Maintenance Equipment.....	3
HORT 2206 Experiential Learning in Production .....	3
HORT 2232 Turf and Ornamental Pest Management .....	3
HORT 2236 Environmental Issues.....	3
HORT 2239 Grounds Irrigation Systems .....	3
HORT 2241 Grounds Management.....	4
HORT 2271 Herbaceous Ornamental Plant Identification .....	3
<b>TOTAL 66-67</b>	

PHED 1100 and two PE activities

\*Student must complete 30 semester hours of course work and receive advisor approval before taking HORT 2220. HORT 2280 (Internship II) is available to students lacking in experience and needing additional internship training.

**ENVIRONMENTAL HORTICULTURE TECHNOLOGY**

**Sports Turf Management**

<b>COURSES</b>	<b>Hours</b>
CISM 2201 Fundamentals of Computer Applications.....	3
ENGL 1101 Composition I .....	3
ENGL 1102 Composition II .....	3
HIST 2112 U. S. History II .....	3
Humanities Elective (see page 140) .....	3
MATH 1002 Technical Mathematics.....	3
POLS 1101 American Government.....	3
COMM 1100 Human Communication.....	3
AGRP 1126 Pesticide Applications.....	1
AGRP 1125 Fundamentals of Plant Protection or	
AGRY 2020 Soils and Fertilizers .....	3 - 4
HORT 2260*Sports Turf Intern (Experiential Learning).....	12
HORT 2231 Turfgrass Science and Technology .....	3
HORT 2232 Turf and Ornamental Pest Management.....	3
HORT 2237 Sports Turf Management.....	3
HORT 2239 Grounds Irrigation Systems.....	3
HORT 2270 Woody Ornamental Plant Identification.....	3
Select 6 hours from the following:	
ACCT 2101 Principles of Accounting I .....	3
FACS 2225 Professional Development .....	3
MGMT 2167 Human Resource Management .....	3
SPAN 1110 Spanish for Green Industry Professionals .....	3
Select 6 hours from below with advisor approval:	
HORT 2201 Principles of Horticulture .....	3
HORT 2202 Grounds Maintenance Equipment.....	3
HORT 2208 Experiential Learning in Turfgrass.....	3
HORT 2233 Golf Course Design and Management .....	3
HORT 2236 Environmental Issues.....	3
HORT 2238 Fundamentals of Grinding Technology .....	3
HORT 2241 Grounds Management.....	4
<b>TOTAL 67-68</b>	

PHED 1100 and two PE activities

\*Student must complete 30 semester hours of course work and receive advisor approval before taking HORT 2260. HORT 2280 (Internship II) is available to students lacking in experience and needing additional internship training.

### Certificate in Children and Family Services

Individuals completing this program will learn basic principles of group management of infants and preschoolers. An emphasis will be placed on health and safety, licensing, and general organization of day care facilities. Individuals will learn personal income management skills, and the basic principles of nutrition. Individuals will also learn about the diverse careers in the field of Family and Consumer Sciences. Individuals will be prepared to work in day care centers.

<b>COURSES</b>	<b>Hours</b>
Select 18 hours from the following:	
BUSA 1105 Introduction to Business .....	3
CISM 2201 Fundamentals of Computer Applications .....	3
FACS 1100 Career Exploration .....	1
FACS 1103 Introduction to Child Development .....	3
FACS 1151 Wellness Nutrition .....	3
FACS 2211 Children’s Creative Activities.....	3
FACS 2212 Early Childhood Care & Education Prog Mgmt.....	3
FACS 2220 Consumer Economics .....	3
FACS 2225 Professional Development .....	3
PHED 1100 Health & Wellness.....	2
<b>TOTAL</b>	<b>18</b>

### Certificate in General Animal Industry Management

Individuals completing this program will be better equipped for the daily management and operation of a beef/dairy cattle operation. They will have acquired the basic skills to work with computer software programs designed around computer spreadsheet and word processing applications. Management activities needed for successful operation of small businesses will also be learned. The student will be able to implement practices needed for forage production and management. Individuals completing this program will be able to deal with beef/dairy cattle management and production principles dealing with cattle health care, cattle nutrition, and reproductive management.

<b>COURSES</b>	<b>Hours</b>
<b>Semester One</b>	
ASLH 1115 Livestock Production .....	3
AGRY 1110 Forage Crops and Pastures .....	3
AECO 1150 Farm Organization and Management.....	3
MATH 1002 Technical Mathematics.....	3
<b>Semester Two</b>	
ASLH 2205 Beef Production <b>OR</b>	
ASLH 2203 Elements of Dairying.....	3
ASLH 1120 Herd Health .....	3
AGRI 2100 Livestock Computer Software Application .....	1
<b>TOTAL</b>	<b>19</b>

\* A student is required to earn a "C" or higher in all ASLH and AGRI courses used to complete the graduation requirements in this certificate.  
 \*\* A grade of "C" or higher is required in the course completing the math requirement for this certificate whether it is MATH 1002 or an equivalent or higher math course.

### Certificate in Horse Operation Management

Individuals completing this program will be better equipped for the daily management and operation of an equine facility. They will have acquired the basic skills to work with computer software programs designed around computer spreadsheet and word processing applications. Management activities needed for successful operation of small businesses will also be learned. The student will be able to implement practices needed for forage production and management. Individuals completing this program will be able to deal with horse management and production principles dealing with horse health care, horse selection and facility design.

<b>COURSES</b>	<b>Hours</b>
<b>Semester One</b>	
ASLH 1115 Livestock Production .....	3
AGRY 1110 Forage Crops and Pastures .....	3
AECO 1150 Farm Organization and Management.....	3
MATH 1002 Technical Mathematics.....	3
<b>Semester Two</b>	
ASLH 2220 Horse Production.....	3
AGRI 2100 Livestock Computer Software Application .....	1
ASLH 1120 Herd Health .....	3
<b>TOTAL 19</b>	

\* A student is required to earn a "C" or higher in all ASLH and AGRI courses used to complete the graduation requirements in this certificate.  
 \*\* A grade of "C" or higher is required in the course completing the math requirement for this certificate whether it is MATH 1002 or an equivalent or higher math course.

### Certificate in Interior Design

Individuals completing this program will learn and develop skills used in Interior Design. They will learn personal income management skills, garment care and construction, selection and care of textiles used in home furnishings and fashion, and the principles of design. Individuals will also learn about the diverse careers in the field of Family and Consumer Sciences. This curriculum is appropriate for a student wishing to prepare for work as an interior-design consultant.

<b>COURSES</b>	<b>Hours</b>
Select 18 hours from the following:	
CISM 2201 Fundamentals of Computer Applications .....	3
FACS 1100 Career Exploration .....	1
FACS 1120 Textile Construction .....	3
FACS 1161 Interior Systems & Equipment .....	3
FACS 2220 Consumer Economics .....	3
FACS 2224 Textiles for Consumers .....	3
FACS 2225 Professional Development .....	3
FACS 2275 Housing & Interiors .....	3
FACS 2279 Special Problems in Interiors .....	3
FACS 2290 Residential Interiors & Furnishings .....	3
PHED 1100 Health & Wellness.....	2
<b>TOTAL 18</b>	