

Select **ONE** primary concentration area (18 cr. hrs.) and **TWO** secondary concentration areas (15 cr. hrs. each). Six (6) credit hours in each of the three concentration areas must be at the 3000-level or above. Must also complete a capstone experience in addition to the credits in the concentration areas. The capstone experience can be a course in a concentration area, an internship, or capstone project.

Agricultural Economics – Management

Number	Course Title	Cr.
AG EC 1041	Applied Microeconomics	3
AG EC 1042	Applied Macroeconomics	3
AG EC 2183	Agricultural Marketing System	3
AG EC 3283	Fundamentals of Entrepreneurship	3
<u>Select two (primary) or one (secondary):</u>		
AG EC 2123	Quant Applications in Ag Econ	3
AG EC 3256	Agribusiness & Biotechnology Law	3
AG EC 3295	Commodity Futures/Options Trading	3
AG EC 4295	Agricultural Risk Management	3

Agricultural Education

Number	Course Title	Cr.
AG ED LD 2220	Verbal Communication in AF&NR	3
AG ED LD 2250	Introduction to Leadership	3
AG ED LD 2260	Team & Organizational Leadership	3
AG ED LD 2270	Leadership Development Youth Org	3
AG ED LD 4310	Intracurricular Prog Mgmt in Ag Ed	3
AG ED LD 4320	Methods of Teaching I	3
AG ED LD 4330	Methods of Teaching II	3
AG ED LD 4340	Design & Deliver Educ/Ldrshp Prog	3
<u>For primary only:</u>		
AG ED 4993	Intern in Ag Education & Leadership	3

Agricultural Economics – Farm & Ranch

Number	Course Title	Cr.
AG EC 1041	Applied Microeconomics	3
AG EC 1042	Applied Macroeconomics	3
AG EC 2183	Agricultural Marketing System	3
AG EC 3260	General Farm Management	3
<u>Select two (primary) or one (secondary):</u>		
AG EC 3257	Agricultural & Rural Law	3
AG EC 3295	Commodity Futures/Options Trading	3
AG EC 4295	Agricultural Risk Management	3
AG EC 4962	Planning the Farm Business	3

Agricultural Leadership

Number	Course Title	Cr.
AG ED LD 2220	Verbal Communication in AF&NR	3
AG ED LD 2250	Introduction to Leadership	3
AG ED LD 2260	Team & Organizational Leadership	3
AG ED LD 2270	Leadership Development Youth Org	3
RU SOC 2010	Leadership in Today's World	3
AG EC 2223	Agricultural Sales	3
AG EC 3241	Ethical Issues in Agriculture	3
AG EC 3283	Fundamentals of Entrepreneurship	3
SCI AG J 3210	Fundamentals of Communication	3
P R TR 3210	Personnel Mgmt & Leadership	3
AG ED LD 4340	Design & Deliver Educ/Ldrshp Prog	3

Agricultural Economics – Public Policy

Number	Course Title	Cr.
AG EC 1041	Applied Microeconomics	3
AG EC 1042	Applied Macroeconomics	3
AG EC 2183	Agricultural Marketing System	3
AG EC 3230	Agric & Rural Economic Policy	3
<u>Select two (primary) or one (secondary):</u>		
AG EC 3150	International Agribusiness	3
AG EC 3241	Ethical Issues in Agriculture	3
AG EC 3256	Agribusiness & Biotechnology Law	3
AG EC 3271	International Agric Development	3
AG EC 3272	International Food Trade & Policy	3
AG EC 4356	Environmental Law & Policy	3

Agricultural Systems Management

Number	Course Title	Cr.
AG SM 1020	Intro to Ag Systems Management	3
AG SM 1040	Physical Principles of Ag Apps	3
AG SM 2220	Agricultural/Industrial Structures	3
AG SM 2360	Mobile Hydraulics	3
AG SM 4140	Electricity: Wiring & Equipment	3
AG SM 4360	Precision Agriculture Sci & Tech	3
AG SM 4220	Material Handling & Conditioning	3
AG SM 4320	Agricultural Equipment & Machinery	3
AG SM 4420	Surface Water Management	3
AG SM 4460	Irrigation & Drainage	3
AG SM 4145	Sensors & Control Sys for Ag Ind*	3
AG SM 4150	Biorenewable Systems Technology*	3
AG SM 4225	Preservation of Grain Quality*	3
AG SM 4365	Machinery Mgmt Precision Ag Tech*	3

*Courses offered online through the Ag*IDEA Alliance

Animal Sciences

Number	Course Title	Cr.
AN SCI 1011	Animal Science	3
AN SCI 1065	Animal Science Laboratory Practicum	2
AN SCI 2111	Societal Issues Facing Animal Ag	3
AN SCI 2114	Live Animal & Meat Evaluation	3
AN SCI 2115	Livestock Judging	3
AN SCI 2140	Companion Animals	3
AN SCI 2165	Ruminant Production	3
AN SCI 2175	Monogastric Production	3
AN SCI 3213	Genetics of Ag Plants & Animals	3
AN SCI 3231	Principals of Dairy Foods Science	3
AN SCI 3232	Animal Feeds & Feeding	3
AN SCI 4975	Beef Production & Management	3
AN SCI 4976	Advanced Dairy Production	3
AN SCI 4977	Horse Production & Management	3
AN SCI 4978	Swine Production & Management	3
AN SCI 4979	Poultry Production & Management	3

Natural Resources

Number	Course Title	Cr.
NAT R 1060	Ecology & Conservation of Living Res	3
NAT R 1070	Ecology & Renewable Res Mgmt	3
NAT R 1080	Computer App in Natural Resources	2
NAT R 1090	Beginning GIS for Natural Resources	3
NAT R 2160	Contemporary Issues in Nat Res	3
NAT R 3110	Natural Resources Biometrics	3
NAT R 3220	Public Relations for Nat R Managers	3
NAT R 3290	Hydrologic Measurement Tech	3
SOIL 2100	Introduction to Soils	3
SOIL 2106	Soil Science Lab	2
SOIL 3290	Soils & the Environment	3
ATM SC 1050	Introductory Meteorology	3
ATM SC 2100	Introduction to Atmospheric Science	3
ENV SC 1100	Introduction to Environmental Sci	3
ENV SC 3330	Environmental Land Use Mgmt	3
FOREST 2151	Dendrology	4

Food Science and Nutrition

Number	Course Title	Cr.
FS 1030	Food Science & Nutrition	3
FS 2172	Elements of Food Microbiology	3
FS 3214	Principles of Meat Science	3
FS 3231	Principals of Dairy Foods Science	3
FS 3250	Physical Principals for Food Process	3
FS 4310	Food Chemistry & Analysis	4
FS 4331	Tech of Dairy Products & Ingredients	3
FS 4344	Processing Muscle Foods	3
FS 4370	Food Microbiology	3
FS 4375	Food Microbiology Lab	2
FS 4440	Princ of Wine Making/Chem Analy	4
FS 4970	Food Product Development	3
FS 4980	Food Quality Assurance	3

Plant Sciences – Crop Management

Number	Course Title	Cr.
PLNT S 2100	Introduction to Soils	3
PLNT S 2110	Plant Growth & Culture	3
<u>Select two courses:</u>		
PLNT S 3225	Plant Breeding & Genetics	3
PLNT S 3210	Principles of Weed Science	4
PLNT S 3710	Introductory Entomology	3
<u>Select two (primary) or one (secondary):</u>		
PLNT S 3270	Forage Crops	3
PLNT S 3275	Grain Crops	3
PLNT S 4313	Soil Fertility & Plant Nutrition	3
PLNT S 3240	Viticulture I	3
PLNT S 4340	Viticulture II	3
PLNT S 4360	Precision Ag Sci & Techo	

Hospitality Management

Number	Course Title	Cr.
Hsp Mgmt 1043	Intro to Hospitality Mgmt	3
Hsp Mgmt 1133	Hospitality Law	3
Hsp Mgmt 4253	Hospitality Human Resources Mgmt	3
Hsp Mgmt 4273	Hospitality Sales & Marketing	3
<u>Select two (primary) or one (secondary):</u>		
Hsp Mgmt 3343	Hotel Operations Mgmt	3
Hsp Mgmt 4343	International Hotel Mgmt (Fall)	3
Hsp Mgmt 4353	Hotel Financial Mgmt (Spring)	3
Hsp Mgmt 3410	Conference & Meeting Mgmt (Fall)	3
Hsp Mgmt 4320	Destination Mgmt (Fall)	3
Hsp Mgmt 3510	Guest Service Mgmt (Fall)	3
Hsp Mgmt 4994	Lodging Leadership Mgmt	3

Plant Sciences – Horticultural Science & Design

Number	Course Title	Cr.
PLNT S 2075	Environmental Horticulture	3
PLNT S 2110	Plant Growth and Culture	3
PLNT S 3230	Plant Propagation	3
<u>Select three (primary) or two (secondary):</u>		
PLNT S 2210	Ornamental Woody Plants	3
PLNT S 2215	Ornamental Herbaceous Plants	3
PLNT S 2254	Landscape Design	3
PLNT S 3355	Intro to Turfgrass Management	3
PLNT S 3260	Greenhouse Management	4
PLNT S 4365	Greenhouse Crops Production	4

Parks, Recreation & Tourism

Number	Course Title	Cr.
PR&TR 1010	Introduction to Leisure Studies	3
PR&TR 2111	Planning & Evaluating Leisure Envir	3
PR&TR 3230	Intro to Parks & Outdoor Rec Services	3
PR&TR 4208	Administration of Leisure Services	3
Tourism – Select two (primary) or one (secondary):		
PR&TR 4355	Private & Commercial Rec Prin & Prac	3
PR&TR 4356	Tourism Management	3
PR&TR 4357	Tourism Planning & Development	3
Natural Recreation Mgmt – Select two (primary) or one (secondary):		
PR&TR 2115	Consortium to Smokey Mountains	2
PR&TR 3231	Prin Interpretation Outdoor Recreation	3
PR&TR 4333	Park Management	3
Leisure Service Mgmt – Select two (primary) or one (secondary):		
PR&TR 3210	Personnel Mgmt & Leadership	3
PR&TR 3215	Program Development in Leisure Ser	3
PR&TR 3220	Intro Rec Individuals w/ Disabilities	2
Sport Management		
PR&TR 1080	Introduction to Sport Management	3
PR&TR 1081	Sport Facility Design	1
PR&TR 2082	Domestic & International Sport Environ	1
PR&TR 2083	Technological Advancements in Sport	1
PR&TR 2281	Business of Sport	3
PR&TR 3185	Sport Economics & Finance	3
PR&TR 3282	Governance & Policy in Sport	3
PR&TR 4385	Legal Aspects of Sport	3

Rural Sociology – *Community Studies*

Number	Course Title	Cr.
RU SOC 1000	Introduction to Rural Sociology	3
<u>Select five (primary) or four (secondary):</u>		
RU SOC 2010	Leadership in Today's World	3
RU SOC 2225	Science, Technology & Society	3
RU SOC 3235	Global Perspectives & Realities	3
RU SOC 4325	American Community Studies	3
RU SOC 4335	Social Change & Trends	3
RU SOC 4341	Building Communities Grassroots	3
RU SOC 4342	Empowering Communities Future	3
RU SOC 4343	Creating Capacity Dynamic Commun	3
RU SOC 3940	Practicum in Rural Sociology*	3

* Primary Concentration only

Science & Agricultural Journalism

Number	Course Title	Cr.
SCI AG J 1160	Intro to Ag J & Corner Post Practicum	3
SCI AG J 3210	Fundamentals of Communication	3
SCI AG J 3240	Communicating on the Web	3
SCI AG J 4970	Agriculture and the Media	3
<u>Select two (primary) or one (secondary):</u>		
SCI AG J 2210	Communicating Science to the Public	3
SCI AG J 3414	Field Reporting (required for primary)	3
SCI AG J 3385	PRB: Writing for Corner Post	3
SCI AG J 4415	Current Issues in Science Journalism	3
SCI AG J 4480	Will Write for Food (and Wine)	3

Rural Sociology – *Agriculture & Environment*

Number	Course Title	Cr.
RU SOC 1000	Introduction to Rural Sociology	3
<u>Select five (primary) or four (secondary):</u>		
RU SOC 1120	Population Ecology	3
RU SOC 2010	Leadership in Today's World	3
RU SOC 2225	Science, Technology & Society	3
RU SOC 3235	Global Perspectives & Realities	3
RU SOC 4310	Sociology of Agriculture & Natural Res	3
RU SOC 4335	Social Change & Trends	3
RU SOC 4370	Environment and Society	3
RU SOC 3940	Practicum in Rural Sociology*	3

* Primary Concentration only