



Bachelor of Science in General Agriculture

Concentration Areas and Suggested Courses

Agricultural Economics

Management Track – Primary Concentration

Number	Course Title	Credit
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:</u>		
AG EC 2123	Intro to Math of Ag Economics	3
AG EC 3282	Agribusiness Finance	3
AG EC 3256	Agribusiness & Biotechnology Law	3

Management Track – Secondary Concentration

Number	Course Title	Credit
AG EC 1041	Applied Microeconomics	3
AG EC 1042	Applied Macroeconomics	3
AG EC 2183	Agricultural Marketing System	3
<u>Select one:</u>		
AG EC 2223	Agricultural Sales	3
AG EC 3150	International Agribusiness	3
AG EC 3224	New Products Marketing	3
AG EC 3256	Agribusiness & Biotechnology Law	3
AG EC 3283	Fundamentals of Entrepreneurship	3
AG EC 3294	Agric Marketing & Procurement	3

Marketing Track – Primary Concentration

Number	Course Title	Credit
AG EC 1041	Applied Microeconomics	3
AG EC 1042	Applied Macroeconomics	3
AG EC 2183	Agricultural Marketing System	3
AG EC 2223	Agricultural Sales	3
AG EC 3224	New Products Marketing	3
<u>Select one:</u>		
AG EC 3256	Agribusiness & Biotechnology Law	3
AG EC 3283	Fundamentals of Entrepreneurship	3
AG EC 3294	Agric Marketing & Procurement	3

Marketing Track – Secondary Concentration

Number	Course Title	Credit
AG EC 1041	Applied Microeconomics	3
AG EC 1042	Applied Macroeconomics	3
AG EC 2183	Agricultural Marketing System	3
<u>Select one:</u>		
AG EC 2223	Agricultural Sales	3
AG EC 3150	International Agribusiness	3
AG EC 3224	New Products Marketing	3
AG EC 3256	Agribusiness & Biotechnology Law	3
AG EC 3294	Agric Marketing & Procurement	3

Farm & Ranch Track – Primary Concentration

Number	Course Title	Credit
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:</u>		

AG EC 3257	Agricultural & Rural Law	3
AG EC 3282	Agribusiness Finance	3
AG EC 3294	Agric Marketing & Procurement	3
AG EC 4962	Planning the Farm Business (<i>Capstone</i>)	3

Farm & Ranch Track – Secondary Concentration

Number	Course Title	Credit
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

Public Policy Track – Primary Concentration

Number	Course Title	Credit
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:</u>		
AG EC 3270	Conservation & Use of Protected Areas	3
AG EC 3271	International Agric Development	3
AG EC 3272	International Food Trade & Policy	3
AG EC 4356	Environmental Law & Policy	3

Public Policy Track – Secondary Concentration

Number	Course Title	Credit
AG EC 1041	Applied Microeconomics	3
AG EC 1042	Applied Macroeconomics	3
AG EC 3230	Agric & Rural Economic Policy	3
<u>Select one:</u>		
AG EC 3270	Conservation & Use of Protected Areas	3
AG EC 3271	International Agric Development	3
AG EC 3272	International Food Trade & Policy	3
AG EC 4356	Environmental Law & Policy	3

Agricultural Education

Primary Concentration

Number	Course Title	Credit
AG ED 2220	Verbal Communication in AF&NR	3
AG ED 2250	Personal Leadership Development	3
AG ED 2260	Team & Organizational Leadership	3
AG ED 4320	Designing Curriculum & Instruction	3
AG ED 4330	Teaching Agriculture Subjects	3
<u>Select one:</u>		
AG ED 4310	Rationale & Structure Ag Ed Programs	3
AG ED 4993	Internship in Ag Education (<i>Capstone</i>)	3

Secondary Concentration

Number	Course Title	Credit
<u>Select two:</u>		
AG ED 2220	Verbal Communication in AF&NR	3
AG ED 2250	Personal Leadership Development	3
AG ED 2260	Team & Organizational Leadership	3
<u>Required:</u>		
AG ED 4320	Designing Curriculum & Instruction	3
AG ED 4330	Teaching Agriculture Subjects	3

Agricultural Journalism

Primary Concentration

Number	Course Title	Credit
AG JRN 1160	Intro to Agricultural Journalism & Corner Post Practicum	3
AG JRN 3210	Fundamentals of Communication	3
AG JRN 3240	Communicating on the Web	3
AG JRN 3414	Field Reporting	3
AG JRN 3385	PRB: Writing for Corner Post	3
AG JRN 4970	Agriculture and the Media (<i>Capstone</i>)	3

Secondary Concentration

Number	Course Title	Credit
AG JRN 1160	Intro to Agricultural Journalism & Corner Post Practicum	3
AG JRN 3210	Fundamentals of Communication	3
AG JRN 3240	Communicating on the Web	3
AG JRN 3414	Field Reporting OR	3
AG JRN 3385	PRB: Writing for Corner Post	3

Agricultural Leadership

Primary Concentration

Number	Course Title	Credit
AG ED 2220	Verbal Communication in AF&NR	3
AG ED 2250	Personal Leadership Development	3
AG ED 2260	Team & Organizational Leadership	3
RU SOC 2010	Leadership in Today's World	3
<u>Select two:</u>		
AG EC 3241	Ethical Issues in Agriculture	3
AG EC 3283	Fundamentals of Entrepreneurship	3
RU SOC 2225	Science, Technology & Society	3
RU SOC 4341	Building Communities f/ Grassroots	3
RU SOC 4335	Social Change & Trends	3

Secondary Concentration

Number	Course Title	Credit
AG ED 2220	Verbal Communication in AF&NR	3
AG ED 2250	Personal Leadership Development	3
AG ED 2260	Team and Organizational Leadership	3
RU SOC 2010	Leadership in Today's World	3

Agricultural Systems Management

Primary Concentration

Number	Course Title	Credit
AG SM 1020	Intro to Ag Systems Management	3
AG SM 1040	Physical Principles of Agricultural Applications	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
<u>Alternatives:</u>		
AG SM 4320	Agricultural Equipment & Machinery	3
AG SM 4420	Surface Water Management	3
AG SM 4460	Irrigation & Drainage	3

Secondary Concentration

Number	Course Title	Credit
AG SM 1020	Intro to Ag Systems Management	3
AG SM 1040	Physical Principles of Agricultural Applications	3
AG SM 2360	Mobile Hydraulics	3
AG SM 4140	Electricity: Wiring & Equipment	3
<u>Alternatives:</u>		
AG SM 2220	Agricultural/Industrial Structures	3
AG SM 4320	Agricultural Equipment & Machinery	3
AG SM 4360	Precision Agriculture Sci & Tech	3
AG SM 4420	Surface Water Management	3
AG SM 4460	Irrigation and Drainage	3

Animal Sciences

Primary Concentration

Number	Course Title	Credit
AN SCI 1065	Animal Science Laboratory Practicum	3
AN SCI 2165	Ruminant Production	3
AN SCI 2175	Monogastric Production	3
<u>Select one:</u>		
AN SCI 3213	Genetics of Ag Plants & Animals	3
AN SCI 3232	Animal Feeds & Feeding	3
<u>Select one:</u>		
AN SCI 2114	Live Animal & Meat Evaluation	3
AN SCI 3214	Principles of Meat Science	3
AN SCI 3231	Principles of Dairy Foods Science	3
AN SCI 4354	Physiology & Biochemistry of Muscle as Food	3
<u>Select one:</u>		
AN SCI 4975	Beef Production & Mgt (<i>Capstone</i>)	3
AN SCI 4876	Advanced Dairy Production	3
AN SCI 4977	Horse Production (<i>Capstone</i>)	3
AN SCI 4978	Swine Production (<i>Capstone</i>)	3
AN SCI 4979	Poultry Production (<i>Capstone</i>)	3

Secondary Concentration

Number	Course Title	Credit
AN SCI 1011	Animal Science	3
AN SCI 1065	Animal Science Laboratory Practicum	3
<u>Select one:</u>		
AN SCI 2165	Ruminant Production	3
AN SCI 2175	Monogastric Production	3
<u>Select one:</u>		
AN SCI 2114	Live Animal & Meat Evaluation	3
AN SCI 2140	Companion Animals	3

Forestry

Primary or Secondary Concentration

Number	Course Title	Credit
FOREST 2151	Dendrology	4
Select from the following:		
FOREST 3240	Wood Technology	3
FOREST 3207	Forest Fire Control & Use	2
FOREST 4320	Forest Ecology	5
FOREST 4330	Practice of Silviculture	3
FOREST 4350	Forest Economics	3
FOREST 4360	Forest Information Systems	3
FOREST 4390	Watershed Mgt & Water Quality	3

Hotel & Restaurant Management

Food Beverage Mgt Track – Primary Concentration

Number	Course Title	Credit
HRM 1043	Introduction to HRM	3
HRM 1991	Sanitation Management	1
HRM 1995	Culinary Fundamentals	3
HRM 3153	Food, Beverage, & Labor Cost Controls	3
HRM 3233	Professional Beverage Management	3
HRM 4235	Commercial Food Management	5

Food Beverage Mgt Track – Secondary Concentration

Number	Course Title	Credit
HRM 1043	Introduction to HRM	3
HRM 1991	Sanitation Management	1
HRM 1995	Culinary Fundamentals	3
HRM 3153	Food, Beverage, & Labor Cost Controls	3
HRM 3233	Professional Beverage Management	3

Lodging Mgt Track – Primary Concentration

Number	Course Title	Credit
HRM 1043	Introduction to HRM	3
HRM 1133	Hospitality Law	3
HRM 3143	Property Management	3
HRM 3253	Hotel & Restaurant Human Resources	3
HRM 3273	Hotel & Restaurant Sales & Marketing	3
HRM 4970	Case Studies Research in HRM (Capstone)	3

Lodging Mgt Track – Secondary Concentration

Number	Course Title	Credit
HRM 1043	Introduction to HRM	3
HRM 3143	Property Management	3
HRM 3273	Hotel & Restaurant Sales & Marketing	3
HRM 4970	Case Studies Research in HRM (Capstone)	3

Conference & Event Mgt Track – Primary Concentration

Number	Course Title	Credit
HRM 1043	Introduction to HRM	3
HRM 1133	Hospitality Law	3
HRM 3253	Hotel & Restaurant Human Resources	3
HRM 3273	Hotel & Restaurant Sales & Marketing	3
HRM 3410	Conference & Event Management	3
HRM 4980	Special Event Management	3

Conference & Event Mgt Track – Secondary Concentration

Number	Course Title	Credit
HRM 1043	Introduction to HRM	3
HRM 3273	Hotel & Restaurant Sales & Marketing	3
HRM 3410	Conference & Event Management	3
HRM 4980	Special Event Management	3

Natural Resources

Primary or Secondary Concentration

Number	Course Title	Credit
Select 9 credits (Primary) or 3 credits (Secondary) from :		
PR&TR 1010	Introduction to Leisure Studies	3
PR&TR 1091	Research & Descriptive Statistics	3
PR&TR 2107	Organization of Aquatic Programs	2
PR&TR 2111	Introduction to Planning & Evaluating Leisure Environments	3
PR&TR 2115	Consortium Field Experience	3
ATM SC 1050	Introductory Meteorology	3
ATM SC 2720	Weather Briefing	1
SOILS 2100	Introduction to Soils	3
SOILS 2106	Soil Science Laboratory	2
FOREST 2151	Dendrology	4
NAT R 1060	Ecology & Conservation of Living Resources	3
NAT R 1070	Ecology & Renewable Resource Management	3
NAT R 1080	Computer Application in Natural Resources	2
NAT R 1090	Beginning GIS for Natural Resources	3
Select 9 credits from courses numbered 3000 or above from the following disciplines:		
Atmospheric Science	Natural Resources	
Fisheries & Wildlife	Parks, Recreation & Tourism	
Forestry	Soil Science	

Parks, Recreation and Tourism

Primary Concentration

Number	Course Title	Credit
PR&TR 1010	Introduction to Leisure Studies	3
PR&TR 2111	Planning & Evaluating Leisure Environments	3
PR&TR 3230	Introduction to Parks & Outdoor Recreation Services	3
PR&TR 4208	Administration of Leisure Services	3
Tourism Track – <u>Select two:</u>		
PR&TR 4355	Private & Commercial Recreation Principles & Practices	3
PR&TR 4356	Tourism Management	3
PR&TR 4357	Tourism Planning & Development	3
Natural Recreation Management Track – <u>Select two:</u>		
PR&TR 2115	Consortium to Smokey Mountains over Spring Break	2
PR&TR 3231	Principles of Interpretation of Outdoor Recreation	3
PR&TR 4333	Park Management	3
Leisure Service Management Track – <u>Select two:</u>		
PR&TR 3210	Personnel Management & Leadership in Leisure Services	3
PR&TR 3215	Program Development in Leisure Services	3
PR&TR 3220	Introduction to Recreation for Individuals with Disabilities	2

Secondary Concentration

Number	Course Title	Credit
PR&TR 1010	Introduction to Leisure Studies	3
PR&TR 2111	Planning & Evaluating Leisure Environments	3
PR&TR 3230	Introduction to Parks & Outdoor Recreation Services	3
PR&TR 4208	Administration of Leisure Services	3

Plant Sciences

Crop Management Track

Number	Course Title	Credit
PLNT S 2100	Introduction to Soils	3
PLNT S 2110	Plant Growth & Culture	3
<u>Select two courses for Primary Concentration OR one course for Secondary Concentration:</u>		
PLNT S 3210	Principles of Weed Science	4
PLNT S 3510	Biology of Fungi	3
PLNT S 3710	Introductory Entomology	3
<u>Select two courses for Primary Concentration OR one course for Secondary Concentration:</u>		
PLNT S 3270	Forage Crops	3
PLNT S 3275	Grain Crops	3
PLNT S 4313	Soil Fertility & Plant Nutrition	3

Ornamental Horticulture Track

Number	Course Title	Credit
PLNT S 2075	Horticultural Ecology	3
PLNT S 2110	Plant Growth and Culture	3
PLNT S 3230	Plant Propagation	3
<u>Select three courses for Primary Concentration OR one course for Secondary Concentration:</u>		
PLNT S 2210	Ornamental Woody Plants I	3
PLNT S 2215	Ornamental Herbaceous Plants	3
PLNT S 2254	Landscape Design	3
PLNT S 3355	Turf	3
PLNT S 3260	Greenhouse Management	4
PLNT S 4975	Advanced Landscape Design	4

Rural Sociology

Agriculture and Environment Track

Number	Course Title	Credit
RU SOC 1000	Introduction to Rural Sociology	3
<u>Select five courses for Primary Concentration OR three courses for Secondary Concentration:</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 3085	Problems in Rural Sociology	3
RU SOC 3235	Global Perspectives & Realities	3
RU SOC 4310	Sociology of Agriculture & Natural Resources	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		

Community Studies Track

Number	Course Title	Credit
RU SOC 1000	Introduction to Rural Sociology	3
<u>Select five courses for Primary Concentration OR three courses for Secondary Concentration:</u>		
RU SOC 2010	Leadership in Today's World	3
RU SOC 2225	Science, Technology & Society	3
RU SOC 3085	Problems in Rural Sociology	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 from the Grassroots	3
RU SOC 4342	Empowering Communities for the Future	3
RU SOC 4343	Creating Capacity for Dynamic Communities	3
RU SOC 3940	Practicum in Rural Sociology*	3
* Primary Concentration only		