

REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE AGRICULTURAL BUSINESS TO AGRICULTURAL EDUCATION CURRICULUM

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION 7 HRS				
ENG	105	RLC - ENGL 1101 & 1102 (6) ¹	4 (6)	
COM	161	RLC - COMM 1101 (3) ¹	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS 12 HRS				
BIO	101	Biological Concepts	4	
CHE	105	Intro. to Chemistry I	4	
MAT	140	RLC - MATH 1108 (3) ¹	4 (3)	
WORLD'S HISTORICAL, LITERARY & PHILOSOPHICAL TRADITIONS 6 HRS				
HUM	211	Western Humanities Tradition	3	
CIV	201	World Civilization	3	
GLOBAL AWARENESS AND CULT. DIVERSITY 3 HRS				
AGR	200	International Agriculture Experience OR	3	
AGR	353	World Food, Ag & Soc OR	3	
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF AWARENESS 6 HRS				
PSY	180	RLC - PSYC 2101 (3)	3	
EDP	260	Psychology of Human Development	3	
UNIVERSITY STUDIES ELECTIVES 6 HRS				
CHE	101	Intro. to Chemistry II OR	4	
GSC	199	Earth Science OR	4	
BIO	221	Zoology: Animal Form & Functions OR	4	
BIO	222	Botany: Plant Form & Functions	4	
AGR	199	Contemporary Issues in Ag ²	2 (3)	
40 HOURS OF UNIVERSITY STUDIES *				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES 26 HRS				
AGR	100T	RLC - AGRI 1221 (1)	1	
AGR	100	RLC - AGRI 1181 (4)	3 (4)	
AGR	130	RLC - AGRI 1141 (3)	3	
AGR	133	RLC - AGRI 1222 (3)	2 (3)	
AGR	240	RLC - AGRI 1263 (4)	3 (4)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag ²	3	
AGR	339	RLC - CSCI 1102 (3)	3	
AGR	345 & 346	RLC - AGRI 1161 (5)	3 (5)	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

AGRICULTURAL EDUCATION OPTION 24 HRS			
AED	104	Ag Ed, Leadership and Life Knowledge ¹	3
AGR	337	Ag Sales & Merchandising OR	3
AGR	433	Farm Management	3
AGR	360	Greenhouse Management	3
AGR	372	Agricultural Metal Processes	3
AGR	570	Agricultural Systems Tech Lab Management	3
SELECT ONE OF THE FOLLOWING COURSES:			
AGR	461	Plant Propagation	3
AGR	471	Applications for Precision Agriculture	3
AGR	573	Ag Processing Systems	3
AGR	325	Small Animal Science	3
AGR	321	Poultry Science	3
AGR	303	Advanced Horse Science	3
AGR	555	Advanced Soil Fertility	3
SELECT ONE OF THE FOLLOWING COURSES:			
AGR	362	Floral Design	3
AGR	364	Nursery Management	3
AGR	367	Residential Landscape Design	3
AGR	368	Landscape Construction	3
MUST TAKE THE FOLLOWING COURSES:			
AGR	300	RLC - AGRI 1282 (3)	3
PROFESSIONAL EDUCATION COURSES 31 HRS			
AED	380	Ag Ed, Extension, and Leadership ¹	3
AED	501	Methods of Teaching Ag Education ^{1,3,4}	6
CTE	502	Assessment and Curricula in CTE	3
HEA	195	RLC-HEA 1102 (2)	2
SEC	421	Student Teaching in Secondary School	14
SED	300	Education Students with Disabilities	3
ELECTIVES			
RLC - ACCO 1101 (3), AGRI 1285 (3), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 2210 (4), AGR 335 - AGRI 2241 (3), AGR 336 - AGRI 2242 (5), AGR 376 - AGRI 1262 (3)			
¹ With a grade of B or better			
² AGR 199 will fulfill both the agriculture core & university studies			
³ Admission to Teacher Education required			
⁴ Must be repeated for a total of 6 hours			
Additional requirements for admission to teacher education and student teaching must be met.			

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL BUSINESS TO AGRICULTURAL SYSTEMS TECHNOLOGY CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION			7 HRS	
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS			13 HRS	
MAT	140	RLC – MATH 1108 (3)	4 (3)	
CHE	105	Intro. to Chemistry I	4	
BIO	101	Biological Concepts	4	
WORLD HISTORICAL LIT. AND PHILOSOPHY			6 HRS	
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY			3 HRS	
AGR	200	International Ag Experience		
AGR	353	World, Food & Ag		
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF AWARENESS			6 HRS	
AGR	199	Contemporary Issues in Ag ¹	3	
PSY	180	RLC – PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES			6 HRS	
GSC	199	Earth Science		
PHY	130	General Physics		
CHE	210	Brief Organic Chem AND		
CHE	215	Organic Chem Lab	4	
		Electives	2	
41 HOURS OF UNIVERSITY STUDIES*				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES			26 HRS	
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	3 (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	3 (3)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag ¹	3	
AGR	240	RLC – AGRI 1263 (4)	3 (4)	
AGR	339	RLC – CSCI1102 (3)	3	
AGR	345 & 346	RLC – AGRI 1161 (5)	4 (5)	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

AG SYSTEMS TECH. OPTION COURSES			24 HRS	
AGR	371	Ag Bldg & Construction	3	
AGR	372	Ag Metal Processes	3	
AGR	377	Ag Safety	3	
AGR	477	Ag Power Units		
AGR	577	Tractor Power Principles	3	
Approved Ag Systems Tech. Electives			9	
AGR	376	RLC – AGRI 1262 (3)	3	
REQUIRED SUPPORT COURSES			6 HRS	
AGR	471	App. In Precision Ag	3	
AGR	488	Coop Ed/Internship	3	
OR WITH ADVISOR'S APPROVAL				
AGR	543	Records Mgt & Reg Issues	3	
AGR	571	Adv. Precision Ag	3	
AGR	489	Coop Ed/Internship	3	
ITD	102	CAD Applications	3	
ITD	104	CAD App & Design Comm	4	
ITD	330	Machine Tool Processes	4	
TSM	110	Electrical Systems I	4	
UNRESTRICTED ELECTIVES			23 HRS	
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 2210 (4),				
AGR 300 – AGRI 1282 (3)				
AGR 335 – AGRI 2241 (3)				
AGR 336 – AGRI 2242 (5)				

Approved Ag Systems Technology Electives

AGR 379 Field Equipment Technology Management
 AGR 470 Soil and Water Engineering
 AGR 471 Applications in Precision Agriculture
 AGR 488 Cooperative Education/Internship
 AGR 489 Cooperative Education/Internship
 AGR 551 Selected Studies in Agriculture
 AGR 570 Ag Systems Technology Lab Management
 AGR 571 Advanced Precision Agriculture
 AGR 572 Advanced Metal Work
 AGR 573 Agriculture Processing Systems
 AGR 574 Agriculture Irrigation and Water
 AGR 575 Combine and Grain Handling Systems
 AGR 576 Agriculture Electrification Systems
 AGR 578 Research and Development of Agriculture Tractors and Equipment

¹AGR 199 will fulfill both the agriculture core & university studies

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL BUSINESS TO AGRIBUSINESS CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	RLC - ENGL 1101 (3) & 1102 (3)	4 (6)	
COM	161	RLC - COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12 HRS
MAT	140	RLC - MATH 1108 (3)	4 (3)	
CHE	105	Intro. to Chemistry I	4	
BIO	101	Biological Concepts	4	
WORLD'S HISTORICAL LITERARY & PHILOSOPHICAL TRADITIONS				6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
AGR	200	International Ag Experience	3	
AGR	353	World, Food & Ag	3	
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF AWARENESS				6 HRS
ECO	230	Principles of Macroeconomics	3	
PSY	180	RLC - PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
ECO	231	Principles of Microeconomics	3	
FIN	230	Personal Finance	3	
40 HOURS OF UNIVERSITY STUDIES*				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				26 HRS
AGR	100T	RLC - AGRI 1221 (1)	1	
AGR	100	RLC - AGRI 1181 (4)	3 (4)	
AGR	130	RLC - AGRI 1141 (3)	3	
AGR	133	RLC - AGRI 1222 (3)	3 (3)	
AGR	240	RLC - AGRI 1263 (4)	3 (4)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	345 & 346	RLC - AGRI 1161 (5)	4 (5)	
AGR	339	RLC - CSCI 1102 (3)	3	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	
AGRIBUSINESS OPTION COURSES				24-25 HRS
ACC	200	RLC - ACCO 1101	3	
AGR	328	Stats for Food & Ag	3	

AGRICULTURE CURRICULUM COURSES CONTINUED

Dept.	No.	Description	Hrs.	Gr.
AGR	330	Principles of Agribusiness	3	
AGR	336	RLC - AGRI 2242 (5)	3 (5)	
AGR	337	Ag Sales & Merchandising	3	
AGR	433	Farm Management	3	
AGR	531	Ag Finance	3	
AGR	535	Ag Policy	3	
REQUIRED SUPPORT COURSES				
SELECT ONE EMPHASIS LISTED BELOW				
CROP PRODUCTION EMPHASIS				15 HRS
AGR	455	Soil Management	3	
AGR	546	Pest Management	3	
AGR	547	Crop Management	3	
AGR	549	Weeds & Their Control	3	
AGR	555	Adv. Soil Fertility	3	
ENTREPRENEURSHIP EMPHASIS				15 HRS
AGR	334	Entrepreneurship in Ag Bus	3	
MGT	350	Fund. of Management	3	
MGT	358	Entrepreneurial Business Plan Development	3	
AGR	376	RLC - AGRI 1262 (3)	3	
		Upper-level advisor approved electives	3	
GLOBAL EMPHASIS				15 HRS
MKT	360	Marketing	3	
MKT	568	Global Marketing Management	3	
Choose three of the following				
AGR	353	World, Food & Ag	3	
AGR	529	International Trade & Ag	3	
AGR	533	Seminar in International Ag Systems	3	
		Foreign Language Course	3	
MARKETING/MANAGEMENT EMPHASIS				15 HRS
MGT	350	Fund. of Management	3	
MKT	360	Marketing	3	
FIN	330	Principles of Finance	3	
AGR	376	RLC - AGRI 1262 (3)	3	
		Upper-level advisor approved electives	3	
UNRESTRICTED ELECTIVES				14 to 15 HRS
RLC - AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 2210 (4), AGR 300 - RLC - AGRI 1282 (3), AGR 335 - RLC - AGRI 2241 (3)				

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**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL BUSINESS TO AGRONOMY CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATIONS			7 HRS	
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COM 1101 (3)	3	
SCIENTIFIC INQUIRY, METHODOLOGIES			12 HRS	
BIO	222	Botany	4	
CHE	105	Intro. to Chemistry I	4	
MAT	140	RLC – MATH 1108 (3)	4 (3)	
WORLD'S HISTORICAL, LITERARY...			6 HRS	
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS			3 HRS	
AGR	200	International Ag Experience	OR 3	
AGR	353	World, Food & Ag	OR 3	
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF-AWARENESS			6 HRS	
PSY	180	RLC – PSYC 2101 (3)	3	
AGR	199	Contemporary Issues in Ag ¹	3	
UNIVERSITY STUDIES APPROVED ELECTIVES			8 HRS	
CHE	210	Brief Organic Chemistry	3	
CHE	215	Organic Chemistry Lab	1	
GSC	199	Earth Science	4	
42 HOURS OF UNIVERSITY STUDIES*				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES			26 HRS	
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	≅ (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	≅ (3)	
AGR	240	RLC – AGRI 1263 (4)	≅ (4)	
AGR	170	RLC – AGRI 1205 (5)	≅ (5)	
AGR	199	Contemporary Issues in Ag ¹	3	
AGR	345 & 346	RLC – AGRI 1161 (5)	≅ (5)	
AGR	339	Computer Apps for Ag	3	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

Dept.	No.	Description	Hrs.	Gr.
AGRONOMY OPTION COURSES			25 HRS	
AGR	378	Ag Environment Management Systems	3	
AGR	455	Soil Management	3	
AGR	470	Soil & Water Engineering	3	
AGR	471	App. To Precision Ag	3	
AGR	542	Plant Breeding I	3	
AGR	546	Pest Management	3	
AGR	547	Crop Management	3	
AGR	549	Weeds & Their Control	3	
REQUIRED SUPPORT COURSES			15 HRS	
SELECT ONE EMPHASIS LISTED BELOW				
PRACTICUM EMPHASIS			15 HRS	
AGR	498	Agromony Practicum	12	
Select One of the Following Courses				
AGR	330	Principles of Agribusiness		
AGR	433	Farm Management		
AGR	543	Records Mgt & Reg Issues		
AGR	571	Advanced Precision Ag	3	
SALES/PRODUCTION EMPHASIS			15 HRS	
AGR	330	Principles of Ag Bus	3	
AGR	433	Farm Management	3	
AGR	333	Agribusiness Records & Analysis	3	
AGR	336	RLC – AGRI 2242 (5)	≅ (5)	
AGR	376	RLC – AGRI 1262 (3)	3	
RESEARCH EMPHASIS			15 HRS	
AGR	328	Stats for Food & Ag	3	
AGR	571	Advanced Precision Ag	3	
BIO	300	Intro to Microbiology	4	
AGR	376	RLC – AGRI 1262 (3)	3	
Agromony Advisor Approved Research Electives:			2	
UNRESTRICTED ELECTIVES			12 HRS	
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 1208 (6), DIEL 1202 (2), WELD 1270 (4)				
AGR 300 – RLC – AGRI 1282 (3)				
AGR 335 – RLC – AGRI 2241 (3)				

¹AGR 199 will fulfill both the agriculture core & university studies

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL BUSINESS TO ANIMAL/EQUINE SCIENCE CURRICULUM
FOOD ANIMAL EMPHASIS**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION			7 HRS	
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS			12-13 HRS	
BIO	101	Biological Concepts	OR 4	
BIO	221	Zoology		
CHE	101	Consumer Chemistry	OR 4/5	
CHE	105	Intro to Chemistry I	OR	
CHE	201	General College Chemistry		
MAT	140	RLC – MATH 1108 (3)	4 (3)	
WORLD HISTORICAL LIT. AND PHILOSOPHY			6 HRS	
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY			3 HRS	
		University Studies Elective	3	
SOCIAL AND SELF AWARENESS			6 HRS	
AGR	199	Contemporary Issues in Ag	3	
PSY	180	RLC – PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES			6 HRS	
CHE	210	Brief Organic Chem	AND	
CHE	215	Organic Chem Lab	OR	
CHE	202	General Chem & Qual	OR	
GSC	101	Earth & Environment	OR	
GSC	102	Earth Through Time	OR	
GSC	199	Earth Science	4/5	
		ELECTIVE	1/2	
40-41 HOURS OF UNIVERSITY STUDIES*				
UNRESTRICTED ELECTIVES			31-33 HRS	
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), ACCO 1101 (3), AGRI 2223 (3), AGRI 2225 (3), AGRI 2210 (4)				
AGR 376 – AGRI 1262 (3)				
AGR 335 – AGRI 2241 (3)				
AGR 336 – AGRI 2242 (5)				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES			24-25 HRS	
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	3 (4)	
AGR	300	RLC – AGRI 1282 (3)	3	
AGR	310	App in Animal Technology	3	
AGR	339	RLC – CSCI 1102 (3)	3	
AGR	399	Professional Development Seminar I	1	
AGR	504	Diseases of Livestock	3	
AGR	599	Ag Senior Capstone	1	
AGR	170	Intro. to Ag Sys Tech	OR 3-4	
AGR	377	Ag Safety	OR	
AGR	373	Animal in Disaster	AND	
AGR	374	Livestock in Disaster		
AGR	403	Equine Reproduction	OR 3	
AGR	506	Repro Physiology	OR	
AGR	523	AI Techniques for Cattle		
FOOD ANIMAL EMPHASIS COURSES			23 HRS	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	3 (3)	
AGR	345 & 346	RLC – AGRI 1161 (5)	4 (5)	
Select Two of the Following Courses				
AGR	311	Beef Science	6	
AGR	321	Poultry Science		
AGR	324	Vet Diagnostic Imaging		
AGR	326	Swine Science		
Select One of the Following Courses				
AGR	301	Livestock Judging	3	
AGR	313	Livestock Prod Mgt Sys		
AGR	320	Livestock Behavioral Analy		
AGR	402	Adv Livestock Judging		
Select One of the Following Courses				
AGR	502	Adv. Nutrition	3	
AGR	503	Animal Breeding		
AGR	512	Beef Cattle Mgt Sys		
Must take the Following Course				
AGR	240	RLC – AGRI 1263 (4)	3 (4)	

*RLC students may complete equivalent required university studies courses at Rend Lake Community College to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL BUSINESS TO ANIMAL/EQUINE SCIENCE CURRICULUM
EQUINE SCIENCE AND EQUINE MANAGEMENT**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12-13 HRS
BIO	101	Biological Concepts	OR 4	
BIO	221	Zoology		
CHE	101	Consumer Chemistry	OR 4/5	
CHE	105	Intro to Chemistry I	OR	
CHE	201	General College Chemistry		
MAT	140	RLC – MATH 1108 (3)	4 (3)	
WORLD HISTORICAL LIT. AND PHILOSOPHY				6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
		University Studies Elective	3	
SOCIAL AND SELF AWARENESS				6 HRS
AGR	199	Contemporary Issues in Ag	3	
PSY	180	RLC – PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
CHE	210	Brief Organic Chem	AND	
CHE	215	Organic Chem Lab	OR	
CHE	202	General Chem & Qual	OR	
GSC	101	Earth & Environment	OR	
GSC	102	Earth Through Time	OR	
GSC	199	Earth Science	4/5	
		ELECTIVE	1/2	
40-41 HOURS OF UNIVERSITY STUDIES*				
UNRESTRICTED ELECTIVES				18-21 HRS
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 2210 (4), ACCO 1101 (3)				
AGR 345 & 346 – AGRI 1161 (5)				
AGR 376 – AGRI 1262 (3)				
AGR 335 – AGRI 2241 (3)				
AGR 336 – AGRI 2242 (5)				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				24-25 HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	3 (4)	
AGR	300	RLC – AGRI 1282 (3)	3	
AGR	310	App in Animal Technology	3	
AGR	339	RLC – CSCI 1102 (3)	3	
AGR	399	Professional Development Seminar I	1	
AGR	504	Diseases of Livestock	3	
AGR	599	Ag Senior Capstone	1	
AGR	170	Intro. to Ag Sys Tech	OR 3-4	
AGR	377	Ag Safety	OR	
AGR	373	Animal in Disaster	AND	
AGR	374	Livestock in Disaster		
AGR	403	Equine Reproduction	OR 3	
AGR	506	Repro Physiology	OR	
AGR	523	AI Techniques for Cattle		
SELECT ONE EMPHASIS LISTED BELOW				
EQUINE MANAGEMENT EMPHASIS COURSES				23 HRS
AGR	101	Basic Stock Seat	OR 3	
AGR	111	Basic Forward Seat		
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	3 (3)	
AGR	201	Intermediate Horsemanship	3	
AGR	302	Horse Science	3	
AGR	304	Adv Stock Seat	OR 3	
AGR	306	Adv Forward Seat	OR	
AGR	405	Equine Behavior Modification	OR	
AGR	514	Teaching Horsemanship		
AGR	309	Eq Facilities Mgt	OR 3	
AGR	317	Eq Health Care & Mgt		
AGR	318	Eq Forage Mgt	OR 3	
AGR	319	Eq Nutrition & Feeding		
Required Support Courses				12 HRS
AGR	330	Principles of Ag Bus	3	
AGR	333	Ag Bus Records & Analy	3	
AGR	433	Farm Management	3	
MGT	350	Fund. of Management	3	
EQUINE SCIENCE EMPHASIS COURSES				24 HRS
AGR	101	Basic Stock Seat	OR 3	
AGR	111	Basic Forward Seat		
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	302	Horse Science	3	
AGR	303	Adv Horse Science	3	
AGR	309	Eq Facilities Mgt	OR 3	
AGR	317	Eq Health Care & Mgt		
AGR	315	Eq Exercise Physiology	3	
AGR	318	Eq Forage Mgt	OR 3	
AGR	319	Eq Nutrition & Feeding		
AGR	407	Eq Selection & Evaluation	3	
Required Support Courses				12 HRS
AGR	133	RLC – AGRI 1222 (3)	3 (3)	
AGR	240	RLC – AGRI 1263 (4)	3 (4)	
AGR	345	Soil Science	3	
AGR	328	Stats for Food & Ag	3	

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL PRODUCTION & MANAGEMENT TO
AGRICULTURAL EDUCATION CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION 7 HRS				
ENG	105	RLC - ENGL 1101 & 1102 (6) ¹	4 (6)	
COM	161	RLC - COMM 1101 (3) ¹	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS 12 HRS				
BIO	101	Biological Concepts	4	
CHE	105	Intro. to Chemistry I	4	
MAT	140	RLC - MATH 1108 (3) ¹	4 (3)	
WORLD'S HISTORICAL, LITERARY & PHILOSOPHICAL TRADITIONS 6 HRS				
HUM	211	Western Humanities Tradition	3	
CIV	201	World Civilization	3	
GLOBAL AWARENESS AND CULT. DIVERSITY 3 HRS				
AGR	200	International Agriculture Experience OR	3	
AGR	353	World Food, Ag & Soc OR	3	
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF AWARENESS 6 HRS				
PSY	180	RLC - PSYC 2101 (3)	3	
EDP	260	Psychology of Human Development	3	
UNIVERSITY STUDIES ELECTIVES 6 HRS				
CHE	101	Intro. to Chemistry II OR	4	
GSC	199	Earth Science OR	4	
BIO	221	Zoology: Animal Form & Functions OR	4	
BIO	222	Botany: Plant Form & Functions	4	
AGR	199	Contemporary Issues in Ag ²	2- (3)	
40 HOURS OF UNIVERSITY STUDIES *				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES 26 HRS				
AGR	100T	RLC - AGRI 1221 (1)	1	
AGR	100	RLC - AGRI 1181 (4)	3 (4)	
AGR	130	RLC - AGRI 1141 (3)	3	
AGR	133	RLC - AGRI 1222 (3)	2 (3)	
AGR	240	RLC - AGRI 1263 (4)	2 (4)	
AGR	170	RLC - AGRI 1205 (5)	2 (5)	
AGR	199	Contemporary Issues in Ag ²	3	
AGR	339	RLC - CSCI 1102 (3)	3	
AGR	345 & 346	RLC - AGRI 1161 (5)	2 (5)	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

AGRICULTURAL EDUCATION OPTION 24 HRS			
AED	104	Ag Ed, Leadership and Life Knowledge ¹	3
AGR	337	Ag Sales & Merchandising OR	3
AGR	433	Farm Management	3
AGR	360	Greenhouse Management	3
AGR	372	Agricultural Metal Processes	3
AGR	570	Agricultural Systems Tech Lab Management	3
SELECT ONE OF THE FOLLOWING COURSES:			
AGR	461	Plant Propagation	3
AGR	471	Applications for Precision Agriculture	3
AGR	573	Ag Processing Systems	3
AGR	325	Small Animal Science	3
AGR	321	Poultry Science	3
AGR	303	Advanced Horse Science	3
AGR	555	Advanced Soil Fertility	3
SELECT ONE OF THE FOLLOWING COURSES:			
AGR	362	Floral Design	3
AGR	364	Nursery Management	3
AGR	367	Residential Landscape Design	3
AGR	368	Landscape Construction	3
MUST TAKE THE FOLLOWING COURSES:			
AGR	300	RLC - AGRI 1282 (3)	3
PROFESSIONAL EDUCATION COURSES 31 HRS			
AED	380	Ag Ed, Extension, and Leadership ¹	3
AED	501	Methods of Teaching Ag Education ^{1,3,4}	3
CTE	502	Assessment and Curricula in CTE	3
HEA	195	RLC-HEA 1102 (2)	2
SEC	421	Student Teaching in Secondary School	14
SED	300	Education Students with Disabilities	3
ELECTIVES			
RLC - AGRI 1285 (3), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGR 1208 (6), DIEL 1202 (2), WELD 1270 (4), AGR 335 - AGRI 2241 (3), AGR 336 - AGRI 2242 (5), AGR 376 - AGRI 1262 (3)			
¹ With a grade of B or better			
² AGR 199 will fulfill both the agriculture core & university studies			
³ Admission to Teacher Education required			
⁴ Must be repeated for a total of 6 hours			
Additional requirements for admission to teacher education and student teaching must be met.			

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL PRODUCTION & MANAGEMENT TO
AGRICULTURAL SYSTEMS TECHNOLOGY CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				13 HRS
MAT	140	RLC – MATH 1108 (3)	4 (3)	
CHE	105	Intro. to Chemistry I	4	
BIO	101	Biological Concepts	4	
WORLD HISTORICAL LIT. AND PHILOSOPHY				6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
AGR	200	International Ag Experience OR		
AGR	353	World, Food & Ag OR		
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF AWARENESS				6 HRS
AGR	199	Contemporary Issues in Ag ¹	3	
PSY	180	RLC – PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
GSC	199	Earth Science OR		
PHY	130	General Physics OR		
CHE	210	Brief Organic Chem AND		
CHE	215	Organic Chem Lab	4	
		Electives	2	
41 HOURS OF UNIVERSITY STUDIES*				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				26 HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	3 (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	3 (3)	
AGR	170	RLC – AGRI 1205 (5)	3 (5)	
AGR	199	Contemporary Issues in Ag ¹	3	
AGR	240	RLC – AGRI 1263 (4)	3 (4)	
AGR	339	Computer Apps for Ag	3	
AGR	345 & 346	RLC – AGRI 1161 (5)	4 (5)	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

AG SYSTEMS TECH. OPTION COURSES				24 HRS
AGR	371	Ag Bldg & Construction	3	
AGR	372	Ag Metal Processes	3	
AGR	377	Ag Safety	3	
AGR	477	Ag Power Units OR		
AGR	577	Tractor Power Principles	3	
Approved Ag Systems Tech. Electives				9
AGR	376	RLC – AGRI 1262 (3)	3	
REQUIRED SUPPORT COURSES				6 HRS
AGR	471	App. In Precision Ag	3	
AGR	488	Coop Ed/Internship	3	
OR WITH ADVISOR'S APPROVAL				
AGR	543	Records Mgt & Reg Issues	3	
AGR	571	Adv. Precision Ag	3	
AGR	489	Coop Ed/Internship	3	
ITD	102	CAD Applications	3	
ITD	104	CAD App & Design Comm	4	
ITD	330	Machine Tool Processes	4	
TSM	110	Electrical Systems I	4	
UNRESTRICTED ELECTIVES				23 HRS
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 1208 (6), WELD 1270 (4), DIEL 1202 (2)				
AGR 300 – AGRI 1282 (3) AGR 335 – AGRI 2241 (3) AGR 336 – AGRI 2242 (5)				

Approved Ag Systems Technology Electives

- AGR 379 Field Equipment Technology Management
- AGR 470 Soil and Water Engineering
- AGR 471 Applications in Precision Agriculture
- AGR 488 Cooperative Education/Internship
- AGR 489 Cooperative Education/Internship
- AGR 551 Selected Studies in Agriculture
- AGR 570 Ag Systems Technology Lab Management
- AGR 571 Advanced Precision Agriculture
- AGR 572 Advanced Metal Work
- AGR 573 Agriculture Processing Systems
- AGR 574 Agriculture Irrigation and Water
- AGR 575 Combine and Grain Handling Systems
- AGR 576 Agriculture Electrification Systems
- AGR 578 Research and Development of Agriculture Tractors and Equipment

¹AGR 199 will fulfill both the agriculture core & university studies

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE AGRICULTURAL PRODUCTION & MANAGEMENT TO AGRIBUSINESS CURRICULUM

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	RLC – ENGL 1101 (3) & 1102 (3)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12 HRS
MAT	140	RLC – MATH 1108 (3)	4 (3)	
CHE	105	Intro. to Chemistry I	4	
BIO	101	Biological Concepts	4	
WORLD'S HISTORICAL LITERARY & PHILOSOPHICAL TRADITIONS				6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
AGR	200	International Ag Experience	3	
AGR	353	World, Food & Ag	3	
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF AWARENESS				6 HRS
ECO	230	Principles of Macroeconomics	3	
PSY	180	RLC – PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
ECO	231	Principles of Microeconomics	3	
FIN	230	Personal Finance	3	
40 HOURS OF UNIVERSITY STUDIES*				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				26 HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	3 (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	2 (3)	
AGR	240	RLC – AGRI 1263 (4)	3 (4)	
AGR	170	RLC – AGRI 1205 (5)	3 (5)	
AGR	199	Contemporary Issues in Ag	3	
AGR	345 & 346	RLC – AGRI 1161 (5)	4 (5)	
AGR	339	Computer Apps for Ag	3	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	
AGRIBUSINESS OPTION COURSES				24-25 HRS
ACC	200	Accounting I	3	
AGR	328	Stats for Food & Ag	3	

AGRICULTURE CURRICULUM COURSES CONTINUED

Dept.	No.	Description	Hrs.	Gr.
AGR	330	Principles of Agribusiness	3	
AGR	336	RLC – AGRI 2242 (5)	3 (5)	
AGR	337	Ag Sales & Merchandising	3	
AGR	433	Farm Management	3	
AGR	531	Ag Finance	3	
AGR	535	Ag Policy	3	
REQUIRED SUPPORT COURSES				
SELECT ONE EMPHASIS LISTED BELOW				
CROP PRODUCTION EMPHASIS				15 HRS
AGR	455	Soil Management	3	
AGR	546	Pest Management	3	
AGR	547	Crop Management	3	
AGR	549	Weeds & Their Control	3	
AGR	555	Adv. Soil Fertility	3	
ENTREPRENEURSHIP EMPHASIS				
ENTREPRENEURSHIP EMPHASIS				15 HRS
AGR	334	Entrepreneurship in Ag Bus	3	
MGT	350	Fund. of Management	3	
MGT	358	Entrepreneurial Business Plan Development	3	
AGR	376	RLC – AGRI 1262 (3)	3	
		Upper-level advisor approved electives	3	
GLOBAL EMPHASIS				
GLOBAL EMPHASIS				15 HRS
MKT	360	Marketing	3	
MKT	568	Global Marketing Management	3	
Choose three of the following				
AGR	353	World, Food & Ag	3	
AGR	529	International Trade & Ag	3	
AGR	533	Seminar in International Ag Systems	3	
		Foreign Language Course	3	
MARKETING/MANAGEMENT EMPHASIS				
MARKETING/MANAGEMENT EMPHASIS				15 HRS
MGT	350	Fund. of Management	3	
MKT	360	Marketing	3	
FIN	330	Principles of Finance	3	
AGR	376	RLC – AGRI 1262 (3)	3	
		Upper-level advisor approved electives	3	
UNRESTRICTED ELECTIVES				
UNRESTRICTED ELECTIVES				14 to 15 HRS
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 1208 (6), DIEL 1202 (2), WELD 1270 (4) AGR 300 – RLC – AGRI 1282 (3) AGR 335 – RLC – AGRI 2241 (3)				

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL PRODUCTION & MANAGEMENT TO AGRONOMY CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATIONS			7 HRS	
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COM 161 (3)	3	
SCIENTIFIC INQUIRY, METHODOLOGIES			12 HRS	
BIO	222	Botany	4	
CHE	105	Intro. to Chemistry I	4	
MAT	140	RLC – MATH 1108 (3)	4 (3)	
WORLD'S HISTORICAL, LITERARY...			6 HRS	
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS			3 HRS	
AGR	200	International Ag Experience	3	
AGR	353	World, Food & Ag	3	
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF-AWARENESS			6 HRS	
PSY	180	RLC – PSYC 2101 (3)	3	
AGR	199	Contemporary Issues in Ag ¹	3	
UNIVERSITY STUDIES APPROVED ELECTIVES			8 HRS	
CHE	210	Brief Organic Chemistry	3	
CHE	215	Organic Chemistry Lab	1	
GSC	199	Earth Science	4	
42 HOURS OF UNIVERSITY STUDIES*				

AGRICULTURE CURRICULUM COURSES CONTINUED

Dept.	No.	Description	Hrs.	Gr.
AGRONOMY OPTION COURSES			25 HRS	
AGR	378	Ag Environment Management Systems	3	
AGR	455	Soil Management	3	
AGR	470	Soil & Water Engineering	3	
AGR	471	App. To Precision Ag	3	
AGR	542	Plant Breeding I	3	
AGR	546	Pest Management	3	
AGR	547	Crop Management	3	
AGR	549	Weeds & Their Control	3	
REQUIRED SUPPORT COURSES			15 HRS	
SELECT ONE EMPHASIS LISTED BELOW				
PRACTICUM EMPHASIS			15 HRS	
AGR	498	Agromony Practicum	12	
Select One of the Following Courses				
AGR	330	Principles of Agribusiness		
AGR	433	Farm Management		
AGR	543	Records Mgt & Reg Issues		
AGR	571	Advanced Precision Ag	3	
SALES/PRODUCTION EMPHASIS			15 HRS	
AGR	330	Principles of Ag Bus	3	
AGR	433	Farm Management	3	
AGR	333	Agribusiness Records & Analysis	3	
AGR	336	RLC – AGRI 2242 (5)	3 (5)	
AGR	376	RLC – AGRI 1262 (3)	3	
RESEARCH EMPHASIS			15 HRS	
AGR	328	Stats for Food & Ag	3	
AGR	571	Advanced Precision Ag	3	
BIO	300	Intro to Microbiology	4	
AGR	376	RLC – AGRI 1262 (3)	3	
Agronomy Advisor Approved Research Electives:			2	
UNRESTRICTED ELECTIVES			12 HRS	
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), ACCO 1101 (3), AGRI 2210 (4)				
AGR 300 – RLC – AGRI 1282 (3)				
AGR 335 – RLC – AGRI 2241 (3)				

¹AGR 199 will fulfill both the agriculture core & university studies

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES			26 HRS	
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	3 (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	3 (3)	
AGR	240	RLC – AGRI 1263 (4)	3 (4)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag ¹	3	
AGR	345 & 346	RLC – AGRI 1161 (5)	3 (5)	
AGR	339	RLC – CSCI 1102 (3)	3	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL PRODUCTION & MANAGEMENT TO
ANIMAL/EQUINE SCIENCE CURRICULUM - FOOD ANIMAL EMPHASIS**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12-13 HRS
BIO	101	Biological Concepts OR	4	
BIO	221	Zoology		
CHE	101	Consumer Chemistry OR	4/5	
CHE	105	Intro to Chemistry I OR		
CHE	201	General College Chemistry		
MAT	140	RLC – MATH 1108 (3)	4 (3)	
WORLD HISTORICAL LIT. AND PHILOSOPHY				6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
		University Studies Elective	3	
SOCIAL AND SELF AWARENESS				6 HRS
AGR	199	Contemporary Issues in Ag	3	
PSY	180	RLC – PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
CHE	210	Brief Organic Chem AND		
CHE	215	Organic Chem Lab OR		
CHE	202	General Chem & Qual OR		
GSC	101	Earth & Environment OR		
GSC	102	Earth Through Time OR		
GSC	199	Earth Science	4/5	
		ELECTIVE	1/2	
40-41 HOURS OF UNIVERSITY STUDIES*				
UNRESTRICTED ELECTIVES				31-33 HRS
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 1208 (6), AGRI 2223 (3), AGRI 2225 (3), DIEL 1202 (2), WELD 1270 (4)				
AGR 376 – AGRI 1262 (3)				
AGR 335 – AGRI 2241 (3)				
AGR 336 – AGRI 2242 (5)				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				24-25 HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	3 (4)	
AGR	300	RLC – AGRI 1282 (3)	3	
AGR	310	App in Animal Technology	3	
AGR	339	Computer Apps for Ag	3	
AGR	399	Professional Development Seminar I	1	
AGR	504	Diseases of Livestock	3	
AGR	599	Ag Senior Capstone	1	
AGR	170	RLC – AGRI 1205 (5)	3 (5)	
AGR	403	Equine Reproduction OR	3	
AGR	506	Repro Physiology OR		
AGR	523	AI Techniques for Cattle		
FOOD ANIMAL EMPHASIS COURSES				23 HRS
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	3 (3)	
AGR	345 & 346	RLC – AGRI 1161 (5)	4 (5)	
Select Two of the Following Courses				
AGR	311	Beef Science	6	
AGR	321	Poultry Science		
AGR	324	Vet Diagnostic Imaging		
AGR	326	Swine Science		
Select One of the Following Courses				
AGR	301	Livestock Judging	3	
AGR	313	Livestock Prod Mgt Sys		
AGR	320	Livestock Behavioral Analy		
AGR	402	Adv Livestock Judging		
Select One of the Following Courses				
AGR	502	Adv. Nutrition	3	
AGR	503	Animal Breeding		
AGR	512	Beef Cattle Mgt Sys		
Must take the Following Course				
AGR	240	RLC – AGRI 1263 (4)	3 (4)	

*RLC students may complete equivalent required university studies courses at Rend Lake Community College to complete MSU university studies requirements.

**REND LAKE COLLEGE/MURRAY STATE UNIVERSITY HUTSON SCHOOL OF AGRICULTURE
AGRICULTURAL PRODUCTION & MANAGEMENT TO
ANIMAL/EQUINE SCIENCE CURRICULUM - EQUINE SCIENCE AND EQUINE MANAGEMENT**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12-13 HRS
BIO	101	Biological Concepts	OR 4	
BIO	221	Zoology		
CHE	101	Consumer Chemistry	OR 4/5	
CHE	105	Intro to Chemistry I	OR	
CHE	201	General College Chemistry		
MAT	140	RLC – MATH 1108 (3)	4 (3)	
WORLD HISTORICAL LIT. AND PHILOSOPHY				6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
		University Studies Elective	3	
SOCIAL AND SELF AWARENESS				6 HRS
AGR	199	Contemporary Issues in Ag	3	
PSY	180	RLC – PSYC 2101 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
CHE	210	Brief Organic Chem	AND	
CHE	215	Organic Chem Lab	OR	
CHE	202	General Chem & Qual	OR	
GSC	101	Earth & Environment	OR	
GSC	102	Earth Through Time	OR	
GSC	199	Earth Science	4/5	
		ELECTIVE	1/2	
40-41 HOURS OF UNIVERSITY STUDIES*				
UNRESTRICTED ELECTIVES				18-21 HRS
RLC – AGRI 1285 (3), HEA 1101 (2), AGRI 1210 (4), AGRI 2223 (3), AGRI 2225 (3), AGRI 1208 (6), DIEL 1202 (2), WELD 1270 (4)				
AGR 345 & 346 – AGRI 1161 (5)				
AGR 376 – AGRI 1262 (3)				
AGR 335 – AGRI 2241 (3)				
AGR 336 – AGRI 2242 (5)				

*RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				24-25 HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	2 (4)	
AGR	300	RLC – AGRI 1282 (3)	3	
AGR	310	App in Animal Technology	3	
AGR	339	Computer Apps for Ag	3	
AGR	399	Professional Development Seminar I	1	
AGR	504	Diseases of Livestock	3	
AGR	599	Ag Senior Capstone	1	
AGR	170	RLC – AGRI 1205 (5)	3 (5)	
AGR	403	Equine Reproduction	OR 3	
AGR	506	Repro Physiology	OR	
AGR	523	AI Techniques for Cattle		
SELECT ONE EMPHASIS LISTED BELOW				
EQUINE MANAGEMENT EMPHASIS COURSES				23 HRS
AGR	101	Basic Stock Seat	OR 3	
AGR	111	Basic Forward Seat		
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	2 (3)	
AGR	201	Intermediate Horsemanship	3	
AGR	302	Horse Science	3	
AGR	304	Adv Stock Seat	OR 3	
AGR	306	Adv Forward Seat	OR	
AGR	405	Equine Behavior Modification	OR	
AGR	514	Teaching Horsemanship		
AGR	309	Eq Facilities Mgt	OR 3	
AGR	317	Eq Health Care & Mgt		
AGR	318	Eq Forage Mgt	OR 3	
AGR	319	Eq Nutrition & Feeding		
Required Support Courses				12 HRS
AGR	330	Principles of Ag Bus	3	
AGR	333	Ag Bus Records & Analy	3	
AGR	433	Farm Management	3	
MGT	350	Fund. of Management	3	
EQUINE SCIENCE EMPHASIS COURSES				24 HRS
AGR	101	Basic Stock Seat	OR 3	
AGR	111	Basic Forward Seat		
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	302	Horse Science	3	
AGR	303	Adv Horse Science	3	
AGR	309	Eq Facilities Mgt	OR 3	
AGR	317	Eq Health Care & Mgt		
AGR	315	Eq Exercise Physiology	3	
AGR	318	Eq Forage Mgt	OR 3	
AGR	319	Eq Nutrition & Feeding		
AGR	407	Eq Selection & Evaluation	3	
Required Support Courses				12 HRS
AGR	133	RLC – AGRI 1222 (3)	2 (3)	
AGR	240	RLC – AGRI 1263 (4)	3 (4)	
AGR	345	Soil Science	3	
AGR	328	Stats for Food & Ag	3	