



MURRAY
STATE UNIVERSITY

Hutson School of Agriculture

Agricultural Articulation
Agreement

with
Rend Lake College

2014

Murray State University Contact List

For assistance with the transfer process including admissions, housing, paying for college, etc., please contact the Murray State University Transfer Center at

Murray State University

Transfer Center

Toll-free: 1-855-668-8886

Phone: 270-809-3350

Fax: (270) 809-3411

Email: msu.transfercenter@murraystate.edu

Website: <http://www.murraystate.edu/Admissions/TransferCenterNewTransfer.aspx>

For assistance with this articulation agreement or if you have specific questions about agriculture, please feel free to contact Murray State University Hutson School of Agriculture at

Murray State University

Hutson School of Agriculture

103 S. Oakley Applied Science Building

Murray, KY 42071-3345

Phone: (270) 809-3328

Fax: (270) 809-5454

Email: msu.ag@murraystate.edu

Website: www.murraystate.edu/agr



July 15, 2014

MSU Agriculture – Where we know how to grow things...like enrollment!

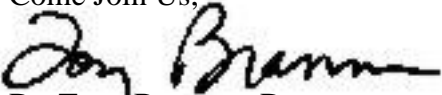
On behalf of our faculty and staff, I would like to express our appreciation to the area community college faculty for working with us to develop articulation agreements to our academic degree options. At the same time, we would like to invite all the community college students to “come join us” as you continue your educational pursuits.

By definition, articulation is the “process by which one institution matches its courses or requirements to course work completed at another institution”. Students may use this course articulation to assure that the courses they complete at the community college will not have to be repeated at Murray State. Additionally, the articulation agreements that have been developed contain a degree plan that includes the courses taken at the community college and the additional MSU classes and requirements that will have to be taken to complete a Bachelor of Science in Agriculture. It is our hope that these agreements will assist students in determining what courses will be required for graduation.

Hutson School of Agriculture at MSU recognizes the importance and the quality of the programs at the regional community and technical colleges. Many of our best students in the past years have come to us through transfer programs. It is our desire to create a seamless and “transfer friendly” agreement that will encourage students to continue their educational pursuits at our university and to become engaged in the respective agricultural career of their choice.

Please let us know if we can assist you in any way. You can contact the Hutson School of Agriculture at (270) 809-3328 or at msu.ag@murraystate.edu.

Come Join Us,



Dr. Tony Brannon, Dean
MSU Hutson School of Agriculture

AGRICULTURAL ARTICULATION AGREEMENT

**MURRAY STATE UNIVERSITY
AND
REND LAKE COLLEGE**

Whereas, Murray State University and the Hutson School of Agriculture wish to cooperate fully with Rend Lake College, and

Whereas, the Rend Lake Agriculture program provides quality higher education training to a growing number of agricultural students, and

Whereas, agriculture students enrolled at Rend Lake College may wish to pursue a Bachelor of Science degree after completion of the program at Rend Lake College, and

Whereas, Murray State University and the agriculture program are regionally and nationally recognized and can provide an excellent opportunity for students to obtain an economical, yet quality degree in agriculture, and

Whereas, Murray State University provides a personal, hands-on quality education and has as its motto "large enough to serve you, small enough to know you", and

Whereas Murray State University agrees to adjust the requirement that "42 hours of upper-level courses must be taken at MSU" down to "at least 31 hours of upper-level courses must be taken at MSU" as per the agreement;

Be it therefore resolved that Murray State University and Rend Lake College hereby enter into an agricultural articulation agreement as described in the attached curriculum agreements.

This agreement will serve as the official transfer agreement and will be accepted as written. Individual exceptions to this agreement will be accepted with the approval of both parties.

Murray State University



President



Provost/Vice President



Director, Transfer Center



Registrar



Dean, Hutson School of Agriculture

Rend Lake College



President



Vice President of Career Technology



Division Chair of Applied Science and Technology

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	OR	
SPA	106	Spanish for the Ag Industry	OR	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)	2 (3)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag ¹	3	
AGR	240	RLC – AGRI 1263 (4)	2 (4)	
AGR	339	RLC – CSCI 1102 (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	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 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)	2 (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)				

*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 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	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

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 ¹	3	
AGR	345 & 346	RLC – AGRI 1161 (5)	3 (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	Agronomy 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), 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)	2 (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)	4 (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)	3 (4)	
AGR	170	RLC – AGRI 1205 (5)	3 (5)	
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}	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	3	
AGR	353	World, Food & Ag		
SPA	106	Spanish for the Ag Industry		
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	4	
PHY	130	General Physics		
CHE	210	Brief Organic Chem AND		
CHE	215	Organic Chem Lab		
		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)	2 (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		
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				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 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

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 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	

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	Agronomy 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

*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)	2 (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)				

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)	4 (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	

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