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

GENERAL	EDUCATION/UNIV	ZERSITY STUDIES	COURSES

GENERAL E	DUCAI	IOMOMIVERSITI STODIE		160
Dept.	No.	Description	Hrs.	Gr.
ORAL AND	WRITT	EN COMMUNICATION	-	HRS
ENG	105	RLC - ENGL 1101 &		
		1102 (6) <sup>1</sup>	4 (6)	
COM	161	RLC – COMM 1101 (3) <sup>1</sup>	3	
	·	,		
SCI. INQUI	IRY, ME	THODS, QUANT. SKILLS	12	HRS
BIO	101	Biological Concepts	4	
CHE	105	Intro. to Chemistry I	4	
MAT	140	RLC - MATH 1108 (3) <sup>1</sup>	4(3)	
		ICAL , LITERARY & PHILO		
TRADITIO			6	HRS
HUM	211	Western Humanities		
		Tradition	3	
CIV	201	World Civilization	3	
	WAREN	ESS AND CULT. DIVERSIT	Y 3	HRS
AGR	200	International Agriculture		
		Experience <b>OR</b>	3	
AGR	353	World Food, Ag & Soc OR	3	
SPA	106	Spanish for the Ag Industry	3	
		AWARENESS		HRS
PSY	180	RLC - PSYC 2101 (3)	3	
EDP	260	Psychology of Human		
		Development	3	
		IES ELECTIVES		HRS
CHE	101	Intro. to Chemistry II OR	4	
GSC	199	Earth Science OR	4	
BIO	221	Zoology: Animal Form &		
D.C.		Functions OR	4	
BIO	222	Botany: Plant Form &		
		Functions	4	
AGR	199	Contemporary Issues in Ag <sup>2</sup>	2 (3)	
40 HOURS OF UNIVERSITY STUDIES *				

### AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULT	URE CO	DRE COURSES	20	6 HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	<del>3</del> (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	<b>2</b> (3)	
AGR	240	RLC – AGRI 1263 (4)	€ (4)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag <sup>2</sup>	3	
AGR	339	RLC - CSCI 1102 (3)	3	
AGR	345 &	RLC - AGRI 1161 (5)	€ (5)	
	346			
AGR	399	Professional Development		
		Seminar I	1	
AGR	599	Ag Senior Capstone	1	

### AGRICULTURE CURRICULUM COURSES CONTINUED

		EDUCATION OPTION		24 HRS
AED	104	Ag Ed, Leadership and Life	T	T
1.62		Knowledge <sup>1</sup>	3	
AGR	337	Ag Sales & Merchandising	3	
non	357	OR		
AGR	433	Farm Management	3	
AGR	360	Greenhouse Management	3	
AGR	372	Agricultural Metal	<del>                                     </del>	
TOIL	3,2	Processes	3	
AGR	570	Agricultural Systems Tech	† <del></del>	1
11011	-, -	Lab Management	3	
SELECT O	NE OF T	HE FOLLOWING COURSE	S:	
AGR	461	Plant Propagation	3	T
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 O	NE OF T	HE FOLLOWING COURSE	S:	
AGR	362	Floral Design	3	
AGR	364	Nursery Management	3	
AGR	367	Residential Landscape		
		Design	3	
AGR	368	Landscape Construction	3	
	E THE I	FOLLOWING COURSES:		
AGR	300	RLC – AGRI 1282 (3)	3	
				Т
PROFESSI	ONAL E	DUCATION COURSES		31 HRS
AED	380	Ag Ed, Extension, and		
		Leadership <sup>1</sup>	3	
AED	501	Methods of Teaching Ag	6	
		Education <sup>1,3,4</sup>		
CTE	502	Assessment and Curricula		1
		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	
ELECTIVE	S			

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)

Additional requirements for admission to teacher education and student teaching must be met.

<sup>&</sup>lt;sup>1</sup>With a grade of B or better

<sup>&</sup>lt;sup>2</sup>AGR 199 will fulfill both the agriculture core & university studies

<sup>&</sup>lt;sup>3</sup>Admission to Teacher Education required

<sup>&</sup>lt;sup>4</sup>Must be repeated for a total of 6 hours

<sup>\*</sup>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

		HUN/UNIVERSITY STUDI		,
Dept.	No.	Description	Hrs.	Gr.
	<u> </u>			<u> </u>
		EN COMMUNICATION		7 HRS
ENG	105	RLC – ENGL 1101 &	4(6)	
		1102 (6)		<u> </u>
COM	161	RLC - COMM 1101 (3)	3	
SCI. INQU	IRY, ME	THODS, 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 H	STORIC	CAL LIT. AND PHILOSOPH	Y	HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities	3	
		Tradition		
	Acceptanting on the State Assessment		*	***************************************
GLOBAL A	WAREN	ESS AND CULT. DIVERSIT	Y 3	HRS
AGR	200	International Ag		
		Experience OR		l
AGR	353	World, Food & Ag OR		
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AN	ND SELF	AWARENESS		HRS
AGR	199	Contemporary Issues in Ag1	3	
PSY	180	RLC - PSYC 2101 (3)	3	
UNIVERSIT	TY STUD	DIES 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	
4	и ногл	RS OF UNIVERSITY STUDI	ES*	
41 HOURS OF UNIVERSITY STUDIES"				

### AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULT	URE CO	DRE COURSES	26	HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	<del>3</del> (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	<b>2</b> (3)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag1	3	
AGR	240	RLC - AGRI 1263 (4)	€ (4)	
AGR	339	RLC - CSCI1102 (3)	3	
AGR	345 &	RLC - AGRI 1161 (5)	4 (5)	
	346			
AGR	399	Professional Development		
		Seminar I	1	
AGR	599	Ag Senior Capstone	1	

#### AGRICULTURE CURRICULUM COURSES CONTINUED

AGRICULI	UKE C	DRRICULUM COURSES CO	TATE.	UED	
AG SYSTE	MS TEC	H. 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	s Tech. Electives	9		
AGR	376	RLC – AGRI 1262 (3)	3		
REQUIRED	SUPPO	RT 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		
UNRESTRI	CTED E	LECTIVES		23 HRS	
	(3), AGR	s), HEA 1101 (2), AGRI 1210 ( I 2225 (3), AGRI 2210 (4), 82 (3)	(4),		
AGR 335 – A					
AGR 336 – A					

### 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

<sup>1</sup>AGR 199 will fulfill both the agriculture core & university studies

<sup>\*</sup>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 E	EDUCAT	ION/UNIVERSITY STUDIE		SES
Dept.	No.	Description	Hrs.	Gr.
ORAL AND	WRITT	EN COMMUNICATION		HRS
ENG	105	RLC - ENGL 1101 (3) &		
		1102 (3)	4(6)	
COM	161	RLC - COMM 1101 (3)	3	
SCI. INQU	IRY, ME	THODS, 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	HISTOR	ICAL LITERARY & PHILO	SOPHIC	AL
TRADITIO	NS		$\epsilon$	HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities		
		Tradition	3	
GLOBAL A	WAREN	ESS AND CULT. DIVERSIT	Y 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 AN	ND SELF	AWARENESS	6	HRS
ECO	230	Principles of		
		Macroeconomics	3	
PSY	180	RLC - PSYC 2101 (3)	3	
	***************************************			
UNIVERSIT	<b>FY STUD</b>	IES ELECTIVES	6	HRS
ECO	231	Principles of		
		Microeconomics	3 .	
FIN	230	Personal Finance	3	
	10 HOU	RS OF UNIVERSITY STUDI	ES*	

AGRICULI	UKE CUI	KKICULUM CUUKSES		
Dept.	No.	Description	Hrs.	Gr.
AGRICULT	URE CO	DRE 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)	3(4)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	345 &	RLC – AGRI 1161 (5)	4(5)	
	346	` .		
AGR	339	RLC - CSCI 1102 (3)	3	
AGR	399	Professional Development		
		Seminar I	1	
AGR	599	Ag Senior Capstone	1	
AGRIBUSI	NESS OF	TION 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)	<del>2</del> (5)	
AGR	337	Ag Sales & Merchandising	3	†
AGR	433	Farm Management	3	T
AGR	531	Ag Finance	3	1
AGR	535	Ag Policy	3	<b>†</b>
			<u> </u>	<del></del>
REQUIRE	D SUPPO	RT COURSES		
		ONE EMPHASIS LISTED BE	LOW	
CROP PRO	ODUCTIO	ON EMPHASIS	1:	5 HRS
AGR	455	Soil Management	3	T
AGR	546	Pest Management	3	
AGR	547	Crop Management	3	T
AGR	549	Weeds & Their Control	3	
AGR	555	Adv. Soil Fertility	3	
ENTREPR	ENEURS	HIP EMPHASIS	1:	5 HRS
AGR	334	Entrepreneurship in Ag Bus	3	
MGT	350	Fund. of Management	3	
MGT	358	Entrepreneurial Business		
		Plan Development	3	ļ
AGR	376	RLC – AGRI 1262 (3)	3	<u> </u>
		Upper-level advisor		
	1	approved electives	3	1
GLOBAL 1			<del>,</del>	HRS
MKT	360	Marketing	3	ļ
MKT	568	Global Marketing		
		Management	3	<u></u>
1.00		oose three of the following		T
AGR AGR	353 529	World, Food & Ag	3	
AGR	533	International Trade & Ag Seminar in International Ag	3	
AUK	333	Systems Systems	3	
		Foreign Language Course	3	İ
		Totalga zanguaga course		.L
MARKETI	NG/MAN	AGEMENT EMPHASIS	15	HRS
MGT	350	Fund. of Management	3	T
MKT	360	Marketing	3	<b>i</b>
FIN	330	Principles of Finance	3	
AGR	376	RLC – AGRI 1262 (3)	3	
	1	Upper-level advisor		<u> </u>
	.	approved electives	3	
		<del></del>	J	

### 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)

<sup>\*</sup>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

CTENTED AT	FDUCATION/UNIVERSITY STUDIES COUR	OTTO

Dept.	No.	Description	Hrs.	.Gr.		
ODAL AND	WDITT	EN COMMUNICATIONS	L	7 1100		
ENG		EN COMMUNICATIONS		7 HRS		
ENG	105	RLC-ENGL 1101 &	4 (6)			
COM	161	1102 (6)	3	1		
COM	101	RLC – COM 1101 (3)	3	<u> </u>		
SCIENTIFI	SCIENTIFIC INQUIRY, METHODOLOGIES 12 HRS					
BIO	222	Botany	4	1110		
CHE	105	Intro. to Chemistry I	4	<b>†</b>		
MAT	140	RLC – MATH 1108 (3)	4 (3)	<b></b>		
WAI	140	REC = MATH 1108 (5)	7 (3)	<u> </u>		
WORLD'S HISTORICAL, LITERARY 6 HRS						
CIV	201	World Civilization	3			
HUM	211	Western Humanities	3			
		Tradition				
GLOBAL A	WAREN	ESS		HRS		
AGR	200	International Ag				
		Experience OR	3			
AGR	353	World, Food & Ag OR	3			
SPA	106	Spanish for the Ag Industry	3	<u> </u>		
i l				<u> </u>		
	D SELF	-AWARENESS		6 HRS		
PSY	180	RLC - PSYC 2101 (3)	3			
AGR	199	Contemporary Issues in Ag1	3			
	,	IES APPROVED ELECTIV	ES 8	HRS		
CHE	210	Brief Organic Chemistry	3			
CHE	215	Organic Chemistry Lab	1			
GSC	199	Earth Science	4			
4	12 HOUR	S OF UNIVERSITY STUDIE	ES*			

#### AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULT	URE CO	DRE COURSES	26	HRS
AGR	100T	RLC – AGRI 1221 (1)	1	
AGR	100	RLC – AGRI 1181 (4)	<del>3</del> (4)	
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	<b>2</b> (3)	
AGR	240	RLC – AGRI 1263 (4)	<del>2</del> (4)	
AGR	170	RLC – AGRI 1205 (5)	<b>3</b> (5)	
AGR	199	Contemporary Issues in Ag <sup>1</sup>	3	
AGR	345 &	RLC - AGRI 1161 (5)	<b>₹</b> (5)	
	346			
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.		
AGRONON	⊥ MY OPTI	ON 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			
DECUMEN SUPPORT COURSES 15 HBS						
I DETAILDE	1 CI DD/1	DTTTTTDCEC	15	IIDC		

KEQUIKED	SUPPO	RI COURSES		15	HKS
SE	LECT O	NE EMPHASIS LISTED BE	LOW		
PRACTICU	M EMPI	HASIS	•	15	HRS
AGR	498	Agronomy Practicum	12		
Select One o	f the Foll	lowing Courses			
AGR	330	Principles of Agribusiness			
AGR	433	Farm Management			
AGR.	543	Records Mgt & Reg Issues			
AGR	571	Advanced Precision Ag	3		

SALES/Pl	RODUCT	ION EMPHASIS	1:	5 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)	<del>3</del> (5)	
AGR	376	RLC – AGRI 1262 (3)	3	

RESEARC	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 A	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)

<sup>&</sup>lt;sup>1</sup>AGR 199 will fulfill both the agriculture core & university studies

<sup>\*</sup>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

		TION/UNIVERSITY STUDIE		1
Dept.	No.	Description	Hrs.	Gr.
ODAL AN	DWDIT	PEN COMMUNICATION	L	7 HRS
		TEN COMMUNICATION		HKS
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC - COMM 1101 (3)	3	
SCI. INQU	UIRY, MI	ETHODS, 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		Į.
MAT	140	RLC - MATH 1108 (3)	4(3)	
	1		1	
WORLD F	IISTORI	CAL LIT. AND PHILOSOPH	Y (	HRS
CIV	201	World Civilization	3	T
HUM	211	Western Humanities	3	1
110141	211	Tradition		
		Tradition		L
GLORAL	AWARE	NESS AND CULT. DIVERSIT	ΓV <sup>3</sup>	HRS
GEODINE :		University Studies Elective	3	
		Omversity bladies Elective	1 3	<u> </u>
SOCIAL A	ND SEL	F AWARENESS		HRS
AGR	199	Contemporary Issues in Ag	3	
PSY	180	RLC-PSYC 2101 (3)	3	
131	100	RLC=FSTC 2101 (3)	3	L
UNIVEDS	TV STI	DIES ELECTIVES		HRS
CHE	210	Brief Organic Chem AND	1	ш
CHE	210			
	1	Organic Chem Lab OR		
CHE	202	General Chem & Qual OR		
GSC	101	Earth & Environment OR		
GSC	102	Earth Through Time OR	4.5	
GSC	199	Earth Science	4/5	
		ELECTIVE	1/2	<u> </u>
4	0-41 HO	URS OF UNIVERSITY STUD	DIES*	
UNRESTRICTED ELECTIVES 31-33 HRS				
RLC - AG	RI 1285 (3	3), HEA 1101 (2), AGRI 1210	(4),	
<b>ACCO 110</b>	1 (3), AG	RI 2223 (3), AGRI 2225 (3), A	GRI 2210	(4)
		~.		
AGR 376 –				
AGR 335 -	AGRI 22	241 (3)		

AGR 336 – AGRI 2242 (5)

AGRICULT	URE CU	RRICULUM COURSES		
Dept.	No.	Description	Hrs.	Gr.
AGRICULT	URE CO	ORE 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		
		PHASIS COURSES		HRS
AGR	130	RLC – AGRI 1141 (3)	3	
AGR	133	RLC – AGRI 1222 (3)	<b>2</b> (3)	
AGR	345 &	RLC – AGRI 1161 (5)	4 (5)	
	346			
		lowing Courses		,
AGR	311	Beef Science	6	
AGR	321	Poultry Science		
AGR	324	Vet Diagnostic Imaging	~	
AGR	326	Swine Science		
		owing Courses	r	
AGR	301	Livestock Judging	3	
AGR	313	Livestock Prod Mgt Sys		
AGR	320	Livestock Behavioral Analy		
AGR	402	Adv Livestock Judging	L	***************************************
		owing Courses		
AGR	502	Adv. Nutrition	3	
AGR	503	Animal Breeding		
AGR	512	Beef Cattle Mgt Sys		
Must take th	e Follow	ing Course		
AGR	240	RLC - AGRI 1263 (4)	3(4)	

<sup>\*</sup>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 1	EDUCAT	ION/UNIVERSITY STUDIE	S COURS	SES
Dept.	No.	Description	Hrs.	Gr.
ORAL ANI	WRITT	EN COMMUNICATION		HRS
ENG	105	RLC - ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC - COMM 1101 (3)	3	
	IRY, ME	THODS, QUANT. SKILLS		HRS
BIO	101	Biological Concepts OR	4	
BIO	221	Zoology		
CHE	101	Consumer Chemistry OR	4/5	l
CHE	105	Intro to Chemistry I OR		
CHE	201	General College Chemistry		
MAT	140	RLC – MATH 1108 (3)	4 (3)	
WORLDH	ISTORIC	CAL LIT. AND PHILOSOPH	Y 6	HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities	3	
		Tradition		
GLOBAL A	WAREN	ESS AND CULT. DIVERSIT	Γ <b>Y</b> 3	HRS
	1	University Studies Elective	3	
	1	,	1	
SOCIAL A	ND SELF	AWARENESS	(	HRS
AGR	199	Contemporary Issues in Ag	3	
PSY	180	RLC – PSYC 2101 (3)	3	
	100	13102101 (5)	L	L
UNIVERSI	TV STIII	DIES ELECTIVES	6	HRS
CHE	210	Brief Organic Chem AND	Γ	III
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	
GSC	177	ELECTIVE	1/2	
		ELECTIVE	1/2	L
40	)-41 HOU	URS OF UNIVERSITY STUD	DES*	
I DECEMBER	COTED E	Y DOME INC	10.01	TTDC
UNRESTR	ICTED E.	LECTIVES	18-21	HRS
DI C I CI	NT 1005 (2	N TT 1 1101 (8) 1 CD 11010		
KLC – AGI	KI 1285 (3	6), HEA 1101 (2), AGRI 1210 (	(4),	(2)
AGKI 2223	(3), AGR	I 2225 (3), AGRI 2210 (4), AC	CO 1101	(3)
ACD 245 0	216	CDI 1161 (5)		
		GRI 1161 (5)		
AGR 376 -				
AGR 335 – AGR 336 –				
AUK 336	AGKI 229	44 (3)		

AGRICULTURE CURRICULUM COURSES					
Dept.	No.	Description	Hrs.	Gr.	
AGRICUL1	URE CO	ORE COURSES	24-25	HRS	
AGR	100T	RLC – AGRI 1221 (1)	1		
AGR	100	RLC – AGRI 1181 (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			
C E	TECTO	NE EMPHASIS LISTED BE	I OW		
		MENT EMPHASIS COURSE		HRS	
AGR	101	Basic Stock Seat OR	3	ШС	
AGR AGR	111	Basic Forward Seat	3		
AGR	130	RLC – AGRI 1141 (3)	3		
AGR	133	RLC – AGRI 1222 (3)	<b>⊋</b> (3)		
AGR	201	Intermediate Horsemanship	3		
AGR	302	Horse Science	3		
AGR	304	Adv Stock Seat OR	3		
AGR	306	Adv Forward Seat OR	3		
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 Su	pport Co		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 .		
		EMPHASIS COURSES		HRS	
AGR	101	Basic Stock Seat OR	3		
AGR	111	Basic Forward Seat	2		
AGR	130	RLC – AGRI 1141 (3)	3		
AGR	302	Horse Science	3		
AGR AGR	303 309	Adv Horse Science Eq Facilities Mgt OR	3		
AGR AGR	317	Eq Health Care & Mgt	3		
AGR	315	Eq Exercise Physiology	3		
AGR	318	Eq Forage Mgt OR	3		
AGR	319	Eq Nutrition & Feeding	5		
AGR	407	Eq Selection & Evaluation	3		
Required Su				HRS	
AGR	133	RLC – AGRI 1222 (3)	<b>≟</b> (3)		
AGR	240	RLC – AGRI 1263 (4)	<b>3</b> (4)		
AGR	345	Soil Science	3		
AGR	328	Stats for Food & Ag	3		
	520	State for 1 ood to rig			

<sup>\*</sup>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

Dept.				SES
1	No.	Description	Hrs.	Gr.
ORAL AND	WRITT	EN COMMUNICATION		7 HRS
ENG	105	RLC - ENGL 1101 &		
		1102 (6) <sup>1</sup>	4(6)	
COM	161	RLC - COMM 1101 (3) <sup>1</sup>	3	
***				
		THODS, QUANT. SKILLS		HRS
	101	Biological Concepts	4	
CHE	105	Intro. to Chemistry I	4	
MAT	140	RLC - MATH 1108 (3) <sup>1</sup>	4(3)	<u> </u>
WORLD'S H		ICAL , LITERARY & PHILO		CAL 6 HRS
HUM	211	Western Humanities		T
TION	211	Tradition	3	
CIV	201	World Civilization	3	<u> </u>
CIV	201	World Clympation		<u> </u>
GLOBAL AV	WAREN	ESS AND CULT. DIVERSIT	Y .	3 HRS
AGR	200	International Agriculture		T
		Experience <b>OR</b>	3	1
AGR	353	World Food, Ag & Soc OR	3	1
SPA	106	Spanish for the Ag Industry	3	
	D SELF	AWARENESS		6 HRS
PSY	180	RLC - PSYC 2101 (3)	3	
EDP	260	Psychology of Human		
		Development	· 3	
UNIVERSIT	Y STUD	DIES ELECTIVES	(	HRS
CHE	101	Intro. to Chemistry II OR	4	
GSC	199	Earth Science OR	4	
BIO	221	Zoology: Animal Form &		1
		Functions OR	4	
BIO	222	Botany: Plant Form &		
,		Functions	4	
AGR	199	Contemporary Issues in Ag <sup>2</sup>	2-(3)	
	TIOTIE	RS OF UNIVERSITY STUDI	rc *	

Dept.	No.	Description	Hrs.	Gr.	
AGRICULT	AGRICULTURE CORE COURSES				
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)	<b>2</b> (3)		
AGR	240	RLC – AGRI 1263 (4)	3(4)		
AGR	170	RLC – AGRI 1205 (5)	<b>3</b> (5)		
AGR	199	Contemporary Issues in Ag <sup>2</sup>	3		
AGR	339	RLC - CSCI 1102 (3)	3		
AGR	345 &	RLC - AGRI 1161 (5)	₹ (5)		
	346	. ,			
AGR	399	Professional Development			
		Seminar I	1		
AGR	599	Ag Senior Capstone	1		

AGRICULTURE CURRICULUM CO	COURSES CONTINUED
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AGRICULTURAL EDUCATION OPTION 24 HRS				
AED	104	Ag Ed, Leadership and Life		T
		Knowledge <sup>1</sup>	3	
AGR	337	Ag Sales & Merchandising OR	3	
AGR	433	Farm Management	3	
AGR	360	Greenhouse Management	3	
AGR	372	Agricultural Metal		<b>†</b>
		Processes	3	
AGR	570	Agricultural Systems Tech		
		Lab Management	3	
SELECT O	NE OF T	HE FOLLOWING COURSE	S:	
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	ł
AGR	303	Advanced Horse Science	3	
AGR	555	Advanced Soil Fertility	3	<u> </u>
SELECT O	NE OF T	HE FOLLOWING COURSE	S:	
AGR	362	Floral Design	3	T
AGR	364	Nursery Management	3	
AGR	367	Residential Landscape		
		Design	3	
AGR	368	Landscape Construction	3	
MUST TAK	E THE I	FOLLOWING COURSES:		
AGR	300	RLC – AGRI 1282 (3)	3	
DDOEECCI	ONIAL EI	DUCATION COURSES		1 HDC
AED	380	Ag Ed, Extension, and	3.	1 HRS
AED .	380		2	
AED	501	Leadership!	3	<del> </del>
AED	501	Methods of Teaching Ag Education <sup>1,3,4</sup>	3	
CTE	502	Assessment and Curricula		
		in CTE	3	
HEA	195	RLC-HEA 1102 (2)	2	
SEC	421	Student Teaching in		
		Secondary School	14	<u> </u>
SED	300	Education Students with		
	<u> </u>	Disabilities	3	<u></u>
ELECTIVE	<b>S</b> .			*

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)

<sup>1</sup>With a grade of B or better

<sup>2</sup>AGR 199 will fulfill both the agriculture core & university studies

<sup>3</sup>Admission to Teacher Education required

<sup>4</sup>Must be repeated for a total of 6 hours

Additional requirements for admission to teacher education and student teaching must be met.

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

OFFICE AT	EDITO ATTONIC	TRITE OF THE	OTEMPE	COLIDORO
GENERAL	L EDUCATION/U	NIVERSIIY	STUDIES	COURSES

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES					
Dept.	No.	Description	Hrs.	Gr.	
			<u> </u>		
		EN COMMUNICATION		7 HRS	
ENG	105	RLC - ENGL 1101 &	4(6)		
		1102 (6)			
COM	161	RLC – COMM 1101 (3)	3		
		THODS, QUANT. SKILLS	γ	HRS	
MAT	140	RLC - MATH 1108 (3)	4 (3)		
CHE	105	Intro. to Chemistry I	4		
BIO	101	Biological Concepts	4		
WORLD H	ISTORIC	CAL LIT. AND PHILOSOPH	Y (	HRS	
CIV .	201	World Civilization	3		
HUM	211	Western Humanities	3		
		Tradition			
GLOBAL A	WAREN	ESS AND CULT. DIVERSIT	Y 3	HRS	
AGR	200	International Ag			
		Experience OR			
AGR	353	World, Food & Ag OR			
SPA	106	Spanish for the Ag Industry	3		
SOCIAL A	ND SELF	AWARENESS		HRS	
AGR	199	Contemporary Issues in Ag <sup>1</sup>	3		
PSY	180	RLC - PSYC 2101 (3)	3		
	TY STUI	DIES 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

AGRICULTURE CURRICULUM COURSES				
Dept.	No.	Description	Hrs.	Gr.
AGRICULT	AGRICULTURE CORE COURSES			6 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)	<b>2</b> (3)	
AGR	170	RLC - AGRI 1205 (5)	3 (5)	
AGR	199	Contemporary Issues in Ag1	3	
AGR	240	RLC – AGRI 1263 (4)	€ (4)	
AGR	339	Computer Apps for Ag	3	
AGR	345 &	RLC - AGRI 1161 (5)	4 (5)	T
	346	•		
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	<b>SUPPO</b>	RT COURSES		6 HRS		
AGR -	471	App. In Precision Ag	3			
AGR .	488	Coop Ed/Internship	3			
	OR WI	TH ADVISOR'S APPROVAL	Ĺ			
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			

#### 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)

Electrical Systems I

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

<sup>1</sup>AGR 199 will fulfill both the agriculture core & university studies

<sup>\*</sup>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	WRITT	EN COMMUNICATION	7	HRS		
ENG	105	RLC – ENGL 1101 (3) &				
		1102 (3)	4 (6)			
COM	161	RLC – COMM 1101 (3)	3			
			_	•		
	IRY, ME	THODS, QUANT. SKILLS	12	HRS		
MAT	140	RLC – MATH 1108 (3)	4 (3)			
CHE	105	Intro. to Chemistry I	4			
BIO	101	Biological Concepts	4			
		ICAL LITERARY & PHILO	SOPHIC.	AL		
TRADITIO				HRS		
CIV	201	World Civilization	3			
HUM	211	Western Humanities				
		Tradition	3			
GLOBAL A	WAREN	ESS AND CULT. DIVERSIT	Y 3	HRS		
AGR	200	International Ag				
		Experience OR	3			
AGR	353	World, Food & Ag OR	3			
SPA	106	Spanish for the Ag Industry	3			
		AWARENESS	6	HRS		
ECO	230	Principles of	•			
***************************************		Macroeconomics	3			
PSY	180	RLC – PSYC 2101 (3)	3			
UNIVERSIT	TY STUD	DIES ELECTIVES	. 6	HRS		
ECO	231	Principles of				
		Microeconomics	3			
FIN	230	Personal Finance	3			
4	40 HOU	RS OF UNIVERSITY STUDI	ES*			

AGRICULTURE CU	<b>JRRICULUM</b>	COURSES

Dept.	No.	Description	Hrs.	Gr.	
AGRICULT	AGRICULTURE CORE COURSES				
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	3		
AGR	345 &	RLC – AGRI 1161 (5)	4 (5)		
	346	•			
AGR	339	Computer Apps for Ag	3		
AGR	399	Professional Development	1		
		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.	1 37			
	No.	Description	Hrs.	Gr.
AGR	330	Principles of Agribusiness	3	
AGR	336	RLC – AGRI 2242 (5)	€ (5)	
AGR	337	Ag Sales & Merchandising	3	İ
AGR	433	Farm Management	3	İ
AGR	531	Ag Finance	3	İ
AGR	535	Ag Policy	3	
	•			
		ORT COURSES		
		ONE EMPHASIS LISTED BE		
		ON EMPHASIS		HRS
AGR	455	Soil Management	3	<u> </u>
AGR	546	Pest Management	3	
AGR	547	Crop Management	3	<u> </u>
AGR	549	Weeds & Their Control	3	<u> </u>
AGR	555	Adv. Soil Fertility	3	
FNTRFP	PENELIDS	SHIP EMPHASIS	14	5 HRS
AGR	334	Entrepreneurship in Ag Bus	3	
MGT	350	Fund, of Management	3	l
MGT	358	Entrepreneurial Business		1
11101	330	Plan Development	3	
AGR	376	RLC - AGRI 1262 (3)	3	İ
		1	1	1
		Upper-level advisor	1	
		Upper-level advisor approved electives	3	
		approved electives	· · · · · · · · · · · · · · · · · · ·	
	EMPHAS	approved electives	15	HRS
MKT	360	approved electives  BIS  Marketing	· · · · · · · · · · · · · · · · · · ·	HRS
GLOBAL MKT MKT		approved electives  SIS    Marketing   Global Marketing	15	5 HRS
MKT	360 568	approved electives  SIS  Marketing Global Marketing Management	15	5 HRS
MKT MKT	360 568	approved electives  SIS  Marketing Global Marketing Management hoose three of the following	15	SHRS
MKT MKT AGR	360 568 Cl	approved electives  SIS  Marketing Global Marketing Management hoose three of the following World, Food & Ag	3 3	SHRS
MKT MKT AGR AGR	360 568 Cl 353 529	approved electives  ISIS  Marketing Global Marketing Management hoose three of the following  World, Food & Ag International Trade & Ag	15	5 HRS
MKT MKT AGR AGR	360 568 Cl	approved electives  SIS  Marketing Global Marketing Management hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag	3 3 3	5 HRS
MKT MKT AGR AGR	360 568 Cl 353 529	approved electives  ISIS  Marketing Global Marketing Management  hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag Systems	3 3	5 HRS
MKT	360 568 Cl 353 529	approved electives  SIS  Marketing Global Marketing Management hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag	3 3 3 3	5 HRS
MKT MKT AGR AGR AGR	360 568 CI 353 529 533	approved electives  SIS  Marketing Global Marketing Management Hoose three of the following World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course	3 3 3 3 3	5 HRS
MKT MKT AGR AGR AGR	360 568 CI 353 529 533	approved electives  SIS  Marketing Global Marketing Management Hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course	3 3 3 3 3	
MKT MKT  AGR AGR AGR AGR MARKET MGT	360 568 CI 353 529 533	approved electives  SIS  Marketing Global Marketing Management Hoose three of the following World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course  NAGEMENT EMPHASIS Fund. of Management Marketing	15   3   3   3   3   3	
MKT MKT AGR AGR AGR MARKET MGT MKT FIN	360   568   C	approved electives  SIS  Marketing Global Marketing Management hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course  NAGEMENT EMPHASIS Fund. of Management Marketing Principles of Finance	15   3   3   3   3   3   3   3	
MKT MKT AGR AGR AGR MARKET MGT MKT FIN	360 568 CI 353 529 533 FING/MAN 350 360	approved electives  SIS  Marketing Global Marketing Management Hoose three of the following World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course  NAGEMENT EMPHASIS Fund. of Management Marketing	15   3   3   3   3   3	
MKT MKT AGR AGR AGR MARKET MGT MKT FIN	360   568   C	approved electives  SIS  Marketing Global Marketing Management Hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course  NAGEMENT EMPHASIS  Fund. of Management Marketing Principles of Finance RLC – AGRI 1262 (3)  Upper-level advisor	15   3   3   3   3   3   3   3	
MKT MKT AGR AGR AGR MARKET MGT MKT FIN	360   568   C	approved electives  SIS  Marketing Global Marketing Management Hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course  NAGEMENT EMPHASIS  Fund. of Management Marketing Principles of Finance RLC – AGRI 1262 (3)	15   3   3   3   3   3   3   3	
MKT MKT AGR AGR AGR MARKET MGT MKT FIN AGR	360   568   C    353   529   533	approved electives  SIS  Marketing Global Marketing Management Hoose three of the following  World, Food & Ag International Trade & Ag Seminar in International Ag Systems Foreign Language Course  NAGEMENT EMPHASIS  Fund. of Management Marketing Principles of Finance RLC – AGRI 1262 (3)  Upper-level advisor	15   3   3   3   3   3   3   3   3	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)

<sup>\*</sup>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 ANI	ORAL AND WRITTEN COMMUNICATIONS				
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)		
COM	161	RLC – COM 161 (3)	3		
SCIENTIFI	C INQUI	RY, METHODOLOGIES	1	2 HRS	
BIO	222	Botany	4		
CHE	105	Intro. to Chemistry I	4		
MAT	140	RLC - MATH 1108 (3)	4 (3)		
WORLD'S	HISTOR	ICAL, LITERARY		6 HRS	
CIV	201	World Civilization	3		
HUM	211	Western Humanities	3		
		Tradition			
GLOBAL A	WAREN			3 HRS	
AGR	200	International Ag Experience OR	3		
AGR	353	World, Food & Ag OR	3		
SPA	106	Spanish for the Ag Industry	3	1	
SOCIAL A	ND SELF	-AWARENESS		6 HRS	
PSY	180	RLC - PSYC 2101 (3)	3		
AGR	199	Contemporary Issues in Ag1	3		
UNIVERSI	TY STUL	DIES APPROVED ELECTIV	ES	8 HRS	
CHE	210	Brief Organic Chemistry	3		
CHE	215	Organic Chemistry Lab	1		
GSC	199	Earth Science	4		
42 HOURS OF UNIVERSITY STUDIES*					

<b>AGRICULTURE</b>	CURRICULUM	COURSES

AGMCCLI	CILL	iducoloni coonsis		
Dept.	No.	Description	Hrs.	Gr.
AGRICULT	URE CO	DRE 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)	
AGR	240	RLC – AGRI 1263 (4)	₹(4)	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag1	3	
AGR	345 &	RLC - AGRI 1161 (5)	₹ (5)	
	346			
AGR	339	RLC - CSCI 1102 (3)	3	
AGR	399	Professional Development		
		Seminar I	1	
AGR .	599	Ag Senior Capstone	1	

ACDICIII TUDE	CURRECULTIME	COURSES CONTINUED
AGRICULTURE	CUKKICULUM	COURSES CONTINUED

Dept.	No.	Description	Hrs.	Gr.
AGRONOM	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 HR	S	
SELECT ONE EMPHASIS LISTED BELOW					
PRACTICU	M EMP	HASIS		15 HR	S
AGR	498	Agronomy Practicum	12		
Select One o	f the Fol	lowing Courses			
AGR	330	Principles of Agribusiness	T		
AGR	433	Farm Management			
AGR	543	Records Mgt & Reg Issues		1	
AGR	571	Advanced Precision Ag	3		

SALES/P	RODUCTI	ON EMPHASIS	1	5 HRS
AGR	330	Principles of Ag Bus	3	
AGR	433	Farm Management	3	
AGR	333	Agribusiness Records &	3	
		Analysis		
AGR	336	RLC – AGRI 2242 (5)	<del>3</del> (5)	
AGR	376	RLC - AGRI 1262 (3)	3	

RESEARC	CH EMPI	IASIS		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 A	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)

<sup>1</sup>AGR 199 will fulfill both the agriculture core & university studies

<sup>\*</sup>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

Dept.	No.	Description	Hrs.	Gr.
ODAT AN	DWDYTT	  TEN COMMUNICATION		7 HRS
ORAL AN ENG	105	RLC - ENGL 1101 &	4 (6)	/ HKS
ENO	103	1102 (6)	7 (0)	
COM	161	RLC – COMM 1101 (3)	3	
		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	
SCI. INQ	UIRY, ME	THODS, QUANT. SKILLS	12-1	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		1
CHE	201	General College Chemistry		
MAT	140	RLC-MATH 1108 (3)	4(3)	
		CAL LIT. AND PHILOSOPH		6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities	3	1
		T didi	l .	1
		Tradition	<u> </u>	-1
CT ON IV				
GLOBAL	AWAREN	NESS AND CULT. DIVERSIT		3 HRS
GLOBAL	AWAREN		TY 3	3 HRS
		NESS AND CULT. DIVERSIT		
SOCIAL A	AND SELF	NESS AND CULT. DIVERSIT University Studies Elective AWARENESS	3	3 HRS
SOCIAL A	AND SELF 199	NESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag	3	
SOCIAL A	AND SELF	NESS AND CULT. DIVERSIT University Studies Elective AWARENESS	3	
SOCIAL A AGR PSY	AND SELF 199 180	VESS AND CULT. DIVERSIT University Studies Elective  AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)	3	6 firs
SOCIAL A AGR PSY UNIVERS	AND SELF   199   180   ITY STUI	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES	3	
SOCIAL A AGR PSY UNIVERS CHE	AND SELF   199   180   ITY STUI   210	VESS AND CULT. DIVERSIT University Studies Elective  AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND	3	6 firs
SOCIAL A AGR PSY UNIVERS CHE CHE	199 180 180 1TY STUI 210 215	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR	3	6 firs
SOCIAL A AGR PSY UNIVERS CHE CHE CHE	199 180 180 1TY STUI 210 215 202	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR	3	6 firs
SOCIAL A AGR PSY  UNIVERS CHE CHE CHE GSC	199   180     17Y STUI   210   215   202   101	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR	3	6 firs
SOCIAL A AGR PSY  UNIVERS CHE CHE CHE GSC GSC	199   180     17Y STUI   210   215   202   101   102	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR	3 3	6 firs
SOCIAL A AGR PSY  UNIVERS CHE CHE CHE GSC	199   180     17Y STUI   210   215   202   101	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR Earth Science	3 3 3	6 firs
SOCIAL A AGR PSY  UNIVERS CHE CHE CHE GSC GSC	199   180     17Y STUI   210   215   202   101   102	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR	3 3	6 firs
SOCIAL A AGR PSY  UNIVERS CHE CHE CHE GSC GSC GSC	199   180   17Y STUI   210   215   202   101   102   199	VESS AND CULT. DIVERSIT University Studies Elective  FAWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR Earth Science ELECTIVE	3 3 3 4/5 1/2	6 firs
SOCIAL A AGR PSY  UNIVERS CHE CHE CHE GSC GSC GSC	199   180   17Y STUI   210   215   202   101   102   199	VESS AND CULT. DIVERSIT University Studies Elective  F AWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR Earth Science	3 3 3 4/5 1/2	6 firs
SOCIAL A AGR PSY UNIVERS CHE CHE CHE GSC GSC GSC	AND SELF 199 180  ITY STUI 210 215 202 101 102 199	TESS AND CULT. DIVERSIT University Studies Elective  FAWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR Earth Science ELECTIVE  URS OF UNIVERSITY STUD	3 3 3 4/5 1/2	6 HRS
SOCIAL A AGR PSY UNIVERS CHE CHE CHE GSC GSC GSC	AND SELF 199 180  ITY STUI 210 215 202 101 102 199	VESS AND CULT. DIVERSIT University Studies Elective  FAWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR Earth Science ELECTIVE	3 3 3 4/5 1/2	6 firs
SOCIAL A AGR PSY  UNIVERS CHE CHE CHE GSC GSC GSC UNRESTE	AND SELF 199 180  ITY STUI 210 215 202 101 102 199  IO-41 HOURICTED E	TESS AND CULT. DIVERSIT University Studies Elective  FAWARENESS Contemporary Issues in Ag RLC – PSYC 2101 (3)  DIES ELECTIVES Brief Organic Chem AND Organic Chem Lab OR General Chem & Qual OR Earth & Environment OR Earth Through Time OR Earth Science ELECTIVE  URS OF UNIVERSITY STUD	3 3 3 4/5 1/2 DIES*	6 HRS

AGR 376 – AGRI 1262 (3) AGR 335 – AGRI 2241 (3) AGR 336 – AGRI 2242 (5)

AGRICULTUR AGR 10 AGR 30 AGR 3 AGR 3 AGR 3	No.  RE CO 00T 00 00 10 39 99	RLC – AGRI 1221 (1) RLC – AGRI 1181 (4) RLC – AGRI 1282 (3) App in Animal Technology Computer Apps for Ag	24-25 1 3 (4) 3	Gr. HRS
AGR         10           AGR         11           AGR         30           AGR         3           AGR         3           AGR         3	00T 00 00 10 39	RLC – AGRI 1221 (1) RLC – AGRI 1181 (4) RLC – AGRI 1282 (3) App in Animal Technology Computer Apps for Ag	1 3 (4) 3	HRS
AGR 11 AGR 3 AGR 3 AGR 3	00 00 10 39	RLC - AGRI 1181 (4) RLC - AGRI 1282 (3) App in Animal Technology Computer Apps for Ag	<b>3</b> (4) 3	
AGR         30           AGR         3           AGR         3	00 10 39	RLC - AGRI 1181 (4) RLC - AGRI 1282 (3) App in Animal Technology Computer Apps for Ag	3	
AGR 3 AGR 3:	10 39	App in Animal Technology Computer Apps for Ag	3	
AGR 3	39	Computer Apps for Ag	3	
AGR 3	99		3	
	1	Professional Development Seminar I	1	
AGR 50	04	Diseases of Livestock	3	
AGR 59	99	Ag Senior Capstone	1	
AGR 1	70	RLC - AGRI 1205 (5)	<b>3</b> (5)	
AGR 40	03	Equine Reproduction OR	3	
AGR 50	06	Repro Physiology OR		
AGR 5	23	AI Techniques for Cattle		
FOOD ANIMA	L EM	PHASIS COURSES	23	HRS
AGR 1:	30	RLC – AGRI 1141 (3)	3	
AGR 1:	33	RLC – AGRI 1222 (3)	⊋(3)	
AGR 34	45 &	RLC – AGRI 1161 (5)	4 (5)	
34	46			·
Select Two of the	he Foll			
AGR 3	11	Beef Science	6	
AGR 32	21	Poultry Science		
AGR 32	24	Vet Diagnostic Imaging		
	26	Swine Science		
Select One of th	ne Follo	owing Courses		
AGR 30	01	Livestock Judging	3	
AGR 3	13	Livestock Prod Mgt Sys		
	20	Livestock Behavioral Analy		
11011	02	Adv Livestock Judging		
Select One of th	he Follo			
i i	02	Adv. Nutrition	3	
	03	Animal Breeding		
	12	Beef Cattle Mgt Sys		
Must take the I				
AGR 24	40	RLC – AGRI 1263 (4)	€ (4)	

<sup>\*</sup>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 I	EDUCAT	ION/UNIVERSITY STUDIE	S COUR	SES
Dept.	No.	Description	Hrs.	Gr.
ORAL ANI	WRITT	EN COMMUNICATION		7 HRS
ENG	105	RLC – ENGL 1101 & 1102 (6)	4 (6)	
COM	161	RLC – COMM 1101 (3)	3	
	<del></del>		<b>L</b>	<del></del>
SCI. INOU	IRY, ME	THODS, QUANT. SKILLS	12-13	HRS
BIO	101	Biological Concepts OR	4	T
BIO	221	Zoology		
CHE	101	Consumer Chemistry OR	4/5	İ
CHE	105	Intro to Chemistry I OR		
CHE	201	General College Chemistry		
MAT	140	RLC - MATH 1108 (3)	4(3)	
WORLD H	ISTORIC	CAL LIT. AND PHILOSOPH	Y	6 HRS
CIV	201	World Civilization	3	
HUM	211	Western Humanities	3	
		Tradition		
GLOBAL A	WAREN	ESS AND CULT. DIVERSIT	Y :	3 HRS
		University Studies Elective	3	
		-		
SOCIAL A	ND SELF	AWARENESS		6 HRS
AGR	199	Contemporary Issues in Ag	3	
PSY	180	RLC - PSYC 2101 (3)	3	
				***************************************
UNIVERSI	TY STUL	DIES ELECTIVES	(	HRS
CHE	210	Brief Organic Chem AND		
CHE	215	Organic Chem Lab OR		
CHE	202	General Chem & Qual OR		ļ
GSC	101	Earth & Environment OR		
GSC	102	Earth Through Time OR		
GSC	199	Earth Science	4/5	
		ELECTIVE	1/2	
40	-41 HOU	JRS OF UNIVERSITY STUD	IES*	
UNRESTRI	CTED E	LECTIVES	18-21	HRS
RLC-AGE	RI 1285 (3	), HEA 1101 (2), AGRI 1210	(4),	
		Í 2225 (3), AGRI 1208 (6), DI		(2),
WELD 1270		( ), ==		,
A AMERICA (1.101.1000) (1.101.100)				
AGR 345 &				
AGR 376 -				
AGR 335 –				
AGR 336 –	AGRI 22	42 (5)		

<sup>\*</sup>RLC students may complete equivalent required university studies courses at RLC to complete MSU university studies requirements.

AGRICULT	TURE CU	JRRICULUM COURSES		
Dept.	No.	Description	Hrs.	Gr.
AGRICULT	URE CO	DRE COURSES	24-25	HRS
AGR	100T	RLC - AGRI 1221 (1)	1	I
AGR	100	RLC – AGRI 1181 (4)	<b>⊋</b> (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	1	
		Seminar I		
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	323	AI Techniques for Cattle	L	L
SE	LECTO	NE EMPHASIS LISTED BE	LOW	
		MENT EMPHASIS COURSE		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)	<b>⊋</b> (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		
A CD	514	Modification OR		
AGR AGR	309	Teaching Horsemanship  Eq Facilities Mgt  OR	3	ļ
AGR	317	Eq Health Care & Mgt	3	
AGR	318	Eq Forage Mgt OR	3	
AGR	319	Eq Nutrition & Feeding		
Required Su			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	
		EMPHASIS COURSES		HRS
AGR	101	Basic Stock Seat OR Basic Forward Seat	3	
AGR	111	RLC – AGRI 1141 (3)	3	1
AGR AGR	302	Horse Science	3	
AGR	303	Adv Horse Science	3	
AGR	309	Eq Facilities Mgt OR	3	
AGR	317	Eq Health Care & Mgt	3	
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 Su			12	HRS
AGR	133	RLC – AGRI 1222 (3)	<b>⊋</b> (3)	
AGR	240	RLC – AGRI 1263 (4)	₹ (4)	
AGR	345	Soil Science	3	
AGR	328	Stats for Food & Ag	3	