



MURRAY
STATE UNIVERSITY

Hutson School of Agriculture

**Agricultural Articulation
Agreement**

**with
Shawnee Community 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



Hutson School of Agriculture
MURRAY STATE UNIVERSITY

Office of the Dean
103 South Oakley Science Bldg
Murray, KY 42071-3345
270.809.3328
270.809.5454 fax

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
SHAWNEE COMMUNITY COLLEGE**

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

Whereas, the Shawnee Community College Agriculture program provides quality higher education training to a growing number of agricultural students, and

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

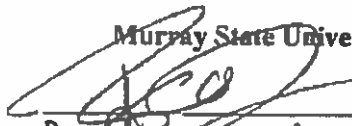
Whereas, Murray State University and the agriculture program are regionally and nationally recognized and can provide an excellent opportunity for students to obtain an economical, yet quality degree in agriculture, and


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 Shawnee Community 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


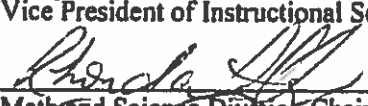
Provost Vice President


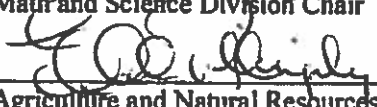
Director, Transfer Center


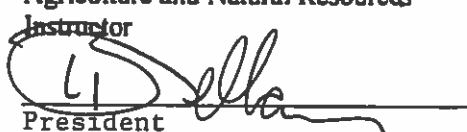
Registrar


Dean, Hutson School of Agriculture

Shawnee Community College


Vice President of Instructional Services


Math and Science Division Chair


Agriculture and Natural Resources
Instructor


President

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AGRICULTURE BUSINESS & MANAGEMENT (AAS) TO AGRIBUSINESS CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION			7 HRS	
ENG	105	Critical Reading, Writing & Inquiry	4	
COM	161	SCC – SPC 111 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS			12 HRS	
MAT	140	SCC – MAT 116 (4)	4	
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	SCC – Humanities Elective (3)	3	
GLOBAL AWARENESS AND CULT. DIVERSITY			3 HRS	
Select One of the Following Courses				
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	SCC – ECO 211 (3)	3	
PSY	180	SCC – PSY 211 (3)	3	
UNIVERSITY STUDIES ELECTIVES			6 HRS	
ECO	231	SCC – ECO 212 (3)	3	
FIN	231	Personal Finance	3	
ENG	101	SCC – ENG 111 (3)*	3	
40 HOURS OF UNIVERSITY STUDIES**				
AGRICULTURE CORE COURSES			26 HRS	
AGR	100T	SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	3 4	
AGR	130	SCC – AGR 116	3	
AGR	133	Field Applications for Ag	2	
AGR	160	SCC – AGR 111 (3)	3	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	345 & 346	SCC – AGR 113 (4)	3 4	
AGR	339	SCC – AGR 102 (3)	3	
AGR	399	SCC – AGR 101 (1)	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRIBUSINESS OPTION COURSES			24-25 HRS	
ACC	200	SCC – ACC 111 (4)	3 4	
AGR	328	Stats for Food & Ag	3	
AGR	330	SCC – AGR 145 (3)	3	
AGR	336	Ag Marketing & Price Analysis	3	
AGR	337	Ag Sales & Merchandising	3	
AGR	433	Farm Management	3	
AGR	531	Ag Finance	3	
AGR	552	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	
		Upper-level advisor approved electives	6	
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	
		Upper-level advisor approved electives	6	
UNRESTRICTED ELECTIVES			14 to 15 HRS	
SCC – AGR 211 (3), AGR 195 (2), AGR 228 (3), AGR 234 (3), AGR 235 (2),				
CSC 199 = SCC – COM 111 (4),				
AGR 240 = SCC – AGR 112 (4)				

*If an equivalent of ENG 102 is also taken at SCC, then ENG 101 & ENG 102 will count in place of ENG 105 at MSU.

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

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AGRICULTURE EDUCATION TO AGRICULTURAL EDUCATION CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	SCC – ENG 111 & 112 (6) ¹	4 6	
COM	161	SCC – SPC 111 (3) ¹	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12 HRS
BIO	101	SCC – BIO 111 (4)	4	
CHE	105	SCC – PHS 111 (4)	4	
MAT	140	SCC – MAT 116 (4) ¹	4	
WORLD'S HISTORICAL, LITERARY & PHILOSOPHICAL TRADITIONS				6 HRS
HUM	211	SCC – HIS 214 (3)	3	
CIV	201	SCC – HIS 215 (3)	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
		SCC – Fine Arts Elective (3)*	3	
SOCIAL AND SELF AWARENESS				6 HRS
POL	140	SCC – GOV 117 (3)	3	
EDP	260	SCC – PSY 217 & PSY 220 (4)	2 4	
UNIVERSITY STUDIES ELECTIVES				6 HRS
		SCC – Social Science Elective (3)	3	
CSC	199	SCC – COM 111 (4)	2 4	
40 HOURS OF UNIVERSITY STUDIES				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				26 HRS
AGR	100T	SCC – SEM 111 OR SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	2 4	
AGR	130	Intro. to Agribusiness	3	
AGR	133	Field Applications for Ag	2	
AGR	160	SCC – AGR 111 (3)	3	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemp Issues in Ag ²	3	
AGR	345 & 346	SCC – AGR 113 (4)	4	
AGR	339	Computer Applications for Agriculture	3	
AGR	399	SCC – AGR 101 (1)	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	303	Advanced Horse Science	3	
AGR	321	Poultry Science	3	
AGR	325	Small Animal Science	3	
AGR	461	Plant Propagation	3	
AGR	471	App for Precision Ag	3	
AGR	555	Advanced Soil Fertility	3	
AGR	573	Ag Processing Systems	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	
SELECT ONE OF THE FOLLOWING COURSES:				
AGR	300	Animal Nutrition	3	
AGR	301	Livestock Judging	3	
AGR	302	Horse Science	3	
AGR	311	Beef Science	3	
AGR	326	Swine Science	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	First Aid & Safety	2	
SEC	421	Student Teaching in Secondary School	14	
SED	300	SCC – PSY 213 (3)	3	
ELECTIVES				
SCC – EDU 110 (3) & EDU 111 (3), PSY 218 (3)				
AGR 240 – SCC – AGR 112 (4)				
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.				

*Check with MSU to determine a course that will fulfill this requirement.

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AG & NATURAL RESOURCES TO AGRICULTURAL SYSTEMS TECHNOLOGY CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL & WRITTEN COMMUNICATION			7 HRS	
ENG	105	SCC – ENG 111 & 112 (6)	4 6	
COM	161	SCC – SPC 111 (3)	3	
SCI. INQUIRY, METHOD, & QUANT SKILLS			12 HRS	
BIO	101	SCC – BIO 111 (4)	4	
CHE	105	SCC – PHS 111 (4)	4	
MAT	140	SCC – MAT 116 (4)	4	
WORLD HISTORICAL, LIT. & PHIL TRAD			6 HRS	
CIV	201	SCC – LIT 213 (3)	3	
HUM	211	SCC – LIT 214 (3)	3	
GLOBAL AWARE, CULT DIV, WORLD ARTISTIC			3 HRS	
ART	121	SCC – ART 114 (3)	3	
SOCIAL & SELF AWARENESS			6 HRS	
HIS	221	SCC – HIS 214 (3)	3	
POL	140	SCC – GOV 117 (3)	3	
UNIVERSITY STUDIES APPROVED ELECTIVES			6 HRS	
MAT	117	SCC – MAT 110 (4)	3 4	
CHE		SCC – PHS 113 (4)	4	
HIS	222	SCC – HIS 215 (3)	3	
41 HOURS OF UNIVERSITY STUDIES				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES			26 HRS	
AGR	100T	SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	3 4	
AGR	130	SCC – AGR 116 (3)	3	
AGR	133	Field Applications for Ag	2	
AGR	240	SCC – AGR 112 (4)	3 4	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	339	Computer Applications for Ag	3	
AGR	345 & 346	SCC – AGR 113 (4)	4	
AGR	399	SCC – AGR 101 (1)	1	
AGR	599	Ag Senior Capstone	1	
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	
Approved AGR Electives			3	
REQUIRED SUPPORT COURSES			6 HRS	
AGR	471	App. In Precision Ag	3	
AGR	488	Coop Ed/Internship	3	
OR WITH ADVISOR'S APPROVAL (SELECT 2)				
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	

****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

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AG & NATURAL RESOURCES TO AGRONOMY CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL & WRITTEN COMMUNICATION				7 HRS
ENG	105	SCC – ENG 111 & 112 (6)	4 6	
COM	161	SCC – SPC 111 (3)	3	
SCI. INQUIRY, METHOD, & QUANT SKILLS				12 HRS
BIO	222	SCC – BIO 213 (4)	4	
CHE	105	SCC – PHS 111 (4)	4	
MAT	140	SCC – MAT 116 (4)	4	
WORLD HISTORICAL, LIT, & PHIL TRAD				6 HRS
CIV	201	SCC – LIT 213 (3)	3	
HUM	211	SCC – LIT 214 (3)	3	
GLOBAL AWARE, CULT DIV, WORLD ARTISTIC				3 HRS
ART	121	SCC – ART 114 (3)	3	
SOCIAL & SELF AWARENESS				6 HRS
HIS	221	SCC – HIS 214 (3)	3	
POL	140	SCC – GOV 117 (3)	3	
UNIVERSITY STUDIES APPROVED ELECTIVES				11 HRS
MAT	117	SCC – MAT 110 (4)	3 4	
CHE		SCC – PHS 113 (4)	4	
HIS	222	SCC – HIS 215 (3)	3	
42 HOURS OF UNIVERSITY STUDIES				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				26 HRS
AGR	100T	SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	3 4	
AGR	130	SCC – AGR 116 (3)	3	
AGR	133	Field Applications for Ag	2	
AGR	240	SCC – AGR 112 (4)	3 4	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	345 & 346	SCC – AGR 113 (4)	4	
AGR	339	Computer Applications for Ag	3	
AGR	399	SCC – AGR 101 (1)	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

Dept.	No.	Description	Hrs.	Gr.
AGRONOMY OPTION COURSES				25 HRS
AGR	346	See AGR 345 in the left column	0	
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	Ag Marketing & Price Analysis		
AGR	337	Ag Sales & Merchandising	3	
Agronomy Advisor Approved Elective:			3	
RESEARCH EMPHASIS				15 HRS
AGR	328	Stats for Food & Ag	3	
AGR	571	Advanced Precision Ag	3	
BIO	300	Intro to Microbiology	4	
Agronomy Advisor Approved Research Electives:			5	
UNRESTRICTED ELECTIVES				9 HRS

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AG & NATURAL RESOURCES TO AGRIBUSINESS CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION				7 HRS
ENG	105	SCC – ENG 111 & 112 (6)	4 6	
COM	161	SCC – SPC 111 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12 HRS
MAT	220	SCC – MAT 215 (4)	4	
CHE	105	SCC – PHS 111 (4)	4	
BIO	101	SCC – BIO 111 (4)	4	
WORLD'S HISTORICAL LITERARY & PHILOSOPHICAL TRADITIONS				6 HRS
CIV	201	SCC – LIT 213 (3)	3	
HUM	211	SCC – LIT 214 (3)	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
ART	121	SCC – ART 114 (3)	3	
SOCIAL AND SELF AWARENESS				6 HRS
ECO	230	SCC – ECO 211 (3)	3	
POL	140	SCC – GOV 117 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
ECO	231	SCC – ECO 212 (3)	3	
CHE		SCC – PHS 113	4	
40 HOURS OF UNIVERSITY STUDIES				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				26 HRS
AGR	100T	SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	3 4	
AGR	130	SCC – AGR 116 (3)	3	
AGR	133	Field Applications for Ag	2	
AGR	240	SCC – AGR 112 (4)	3 4	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	345 & 346	SCC – AGR 113	3 4	
AGR	339	Computer Applications for Ag	3	
AGR	399	SCC – AGR 101 (1)	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

AGRIBUSINESS OPTION COURSES				24-25 HRS	
ACC	200	Accounting I	3		
AGR	328	Stats for Food & Ag OR	3		
MAT	135	Intro to Probability & Stats	4		
AGR	330	Principles of Agribusiness	3		
AGR	336	Ag Marketing & Price Analysis	3		
AGR	337	Ag Sales & Merchandising	3		
AGR	433	Farm Management	3		
AGR	531	Ag Finance	3		
AGR	552	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		
		Upper-level advisor approved electives	6		
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		
		Upper-level advisor approved electives	6		
UNRESTRICTED ELECTIVES				14 to 15 HRS	

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AG & NATURAL RESOURCES TO HORTICULTURE CURRICULUM**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL & WRITTEN COMMUNICATION			7 HRS	
ENG	105	SCC – ENG 111 & 112 (6)	4 6	
COM	161	SCC – SPC 111 (3)	3	
SCI. INQUIRY, METHOD, & QUANT SKILLS			12 HRS	
BIO	222	SCC – BIO 213 (4)	4	
CHE	105	SCC – PHS 111 (4)	4	
MAT	140	SCC – MAT 116 (4)	4	
WORLD HISTORICAL, LIT, & PHIL TRAD			6 HRS	
CIV	201	SCC – LIT 213 (3)	3	
HUM	211	SCC – LIT 214 (3)	3	
GLOBAL AWARE, CULT DIV, WORLD ARTISTIC			3 HRS	
ART	121	SCC – ART 114 (3)	3	
SOCIAL & SELF AWARENESS			6 HRS	
HIS	221	SCC – HIS 214 (3)	3	
POL	140	SCC – GOV 117 (3)	3	
UNIVERSITY STUDIES APPROVED ELECTIVES			6 HRS	
MAT	117	SCC – MAT 110 (4)	4	
CHE		SCC – PHS 113 (4)	4	
HIS	222	SCC – HIS 215 (3)	3	
40 HOURS OF UNIVERSITY STUDIES				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES			26 HRS	
AGR	100T	SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	4	
AGR	130	SCC – AGR 116 (3)	3	
AGR	133	Field Applications for Ag	2	
AGR	160	SCC – AGR 111 (3)	3	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	345 & 346	SCC – AGR 113 (4)	4	
AGR	339	Computer Applications for Ag	3	
AGR	399	SCC – AGR 101 (1)	1	
AGR	599	Ag Senior Capstone	1	
HORTICULTURE OPTION COURSES			25 HRS	
AGR	263	Woody Plant Materials I	2	
AGR	346	See AGR 345	1	
AGR	360	Greenhouse Prod & Mgt	3	
AGR	363	Woody Plant Materials II	2	
AGR	365	Herbaceous Plant Materials	2	
AGR	461	Plant Propagation	3	
AGR	361	Hort & Greenhouse Mgt Prod	3	
AGR	460	Professional Experience in Horticulture	3	
AGR	367	Residential Landscape Design	3	
AGR	462	Fine Turf Management	3	
AGR	563	Arboriculture	3	
AGR	240	SCC – AGR 112 (4)	4	
AGR		Elective (300 or Above)	3	
UNRESTRICTED ELECTIVES			25 HRS	

HORTICULTURE ELECTIVES

- AGR 361 Horticulture and Greenhouse Production and Management Practicum (3 Hrs)
- AGR 362 Floral Design (3 Hrs)
- AGR 364 Nursery Management (3 Hrs)
- AGR 366 Horticultural Judging (1 Hr)
- AGR 367 Residential Landscape Design (3 Hrs)
- AGR 368 Landscape Construction (3 Hrs)
- AGR 460 Professional Experience in Horticulture (3 Hrs)
- AGR 462 Fine Turf Management (3 Hrs)
- AGR 463 Horticultural Therapy (3 Hrs)
- AGR 542 Plant Breeding (3 Hrs)
- AGR 563 Arboriculture (3 Hrs)
- AGR 564 Public Garden Management (3 Hrs)
- AGR 565 Public Garden Management Practicum (3 Hrs)
- AGR 566 Advanced Greenhouse Management and Production (3 Hrs)
- AGR 549 Weeds and Their Control (3 Hrs)
- AGR 567 Advanced Landscape Design (3 Hrs)
- AGR 569 Plants for Interior Design (2 Hrs)

In addition to the BSA in Horticulture, MSU does offer a Golf Course Management Minor that requires 21 hours of study. The program requires ACC 200, AGR 160, AGR 345, AGR 460, MGT 350, and three hours of electives selected from either AGR 462 or MGT 370. Six hours must be upper-level courses completed in residence at Murray State University.

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AG & NATURAL RESOURCES 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	SCC – ENG 111 & 112 (6)	4 6	
COM	161	SCC – SPC 111 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12-13 HRS
BIO	101	SCC – BIO 1111 (4)	4	
CHE	105	SCC – PHS 111 (4)	4	
MAT	140	SCC – MAT 116 (4)	4	
WORLD HISTORICAL LIT. AND PHILOSOPHY				6 HRS
CIV	201	SCC – LIT 213 (3)	3	
HUM	211	SCC – LIT 214 (3)	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
ART	121	SCC – ART 114 (3)	3	
SOCIAL AND SELF AWARENESS				6 HRS
HIS	221	SCC – HIS 214 (3)	3	
POL	140	SCC – GOV 117 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
CHE		SCC – PHS 113 (4)	4	
MAT	117	SCC – MAT 110 (4)	4	
HIS	222	SCC – HIS 215 (3)	3	
UNRESTRICTED ELECTIVES				31-33 HRS

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				24-25 HRS
AGR	100T	SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	4	
AGR	300	Animal Nutrition	3	
AGR	310	App in Animal Technology	3	
AGR	339	Computer App for Ag	3	
AGR	399	SCC – AGR 101 (1)	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	SCC – AGR 116 (3)	3	
AGR	133	Field App for Agriculture	2	
AGR	345 & 346	SCC – AGR 113 (4)	4	
Select Two of the Following Courses				
AGR	311	Beef Science	6	
AGR	321	Poultry Science		
AGR	314	Small Ruminant Science		
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		
Take the Following Course				
AGR	240	SCC – AGR 112 (4)	4	

**SHAWNEE COMMUNITY COLLEGE/MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AG & NATURAL RESOURCES 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	SCC – ENG 111 & 112 (6)	4 6	
COM	161	SCC – SPC 111 (3)	3	
SCI. INQUIRY, METHODS, QUANT. SKILLS				12-13 HRS
BIO	101	SCC – BIO 1111 (4)	4	
CHE	105	SCC – PHS 111 (4)	4	
MAT	140	SCC – MAT 116 (4)	4	
WORLD HISTORICAL LIT. AND PHILOSOPHY				6 HRS
CIV	201	SCC – LIT 213 (3)	3	
HUM	211	SCC – LIT 214 (3)	3	
GLOBAL AWARENESS AND CULT. DIVERSITY				3 HRS
ART	121	SCC – ART 114 (3)	3	
SOCIAL AND SELF AWARENESS				6 HRS
HIS	221	SCC – HIS 214 (3)	3	
POL	140	SCC – GOV 117 (3)	3	
UNIVERSITY STUDIES ELECTIVES				6 HRS
CHE	106	SCC – PHS 113 (4)	4	
MAT	117	SCC – MAT 110 (4)	4	
HIS	222	SCC – HIS 215 (3)	3	
UNRESTRICTED ELECTIVES				18-21 HRS

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				24-25 HRS
AGR	100T	SCC – AGR 100 (1)	1	
AGR	100	SCC – AGR 115 (4)	4	
AGR	300	Animal Nutrition	3	
AGR	310	App in Animal Technology	3	
AGR	339	Computer App for Ag	3	
AGR	399	SCC – AGR 101 (1)	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		

AGRICULTURE CURRICULUM COURSES CONTINUED

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	SCC – AGR 116 (3)		3
AGR	133	Field App for Ag		2
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	SCC – AGR 116 (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	Field App for Ag		2
AGR	240	SCC – AGR 112 (4)		4
AGR	345 & 346	SCC – AGR 113 (4)		4
AGR	328	Stats for Food & Ag		3

In addition to the two Equine Areas (Equine Science and Equine Management), MSU does offer an Equine Science Minor, which would be 21 hours. The program must be approved by an advisor and include fifteen hours of required courses (AGR 101 or 111, 201, 302, 303 and 317). Six additional hours of upper-level equine courses must be completed in residence at Murray State University.