

TRANSFER PATHWAY GUIDE

FOR

Associate in Applied Science in Agriculture/Agronomy to Murray State University's Bachelor of Science in Agricultural Science/Crop and Soil Management

Overview

Completion of the following curriculum will satisfy the requirements for an Associate in Applied Science in Agriculture/Agronomy Track at the Kentucky Community and Technical College System and leads to the Bachelor of Science in Agricultural Science/Crop and Soil Management at Murray State University. Students completing their AAS in Agriculture with KCTCS can complete their Agricultural Science/Crop and Soil Management degree at Murray State 100% online.

Admission Requirements

Murray State University admission requirements for domestic first-time transfer students can be found online. Current link is available [here](#).

Degree Requirements

At least 42 semester hours of the 120 hours required for a baccalaureate degree must be earned in courses at the 300-level or above (upper-level courses). Transfer courses at the 100- or 200-level that are direct equivalents of upper-level Murray State courses will be considered upper-level credit. Transfer courses at the 100- or 200-level that may be substituted for upper-level Murray State courses or requirements will not be considered upper-level credit.

The baccalaureate degree candidate must have a GPA of at least 2.00: (1) in all credits presented for graduation whether earned at Murray State or elsewhere (cumulative GPA); (2) in all credits completed at Murray State; and (3) in the courses for each major, minor or area.

General Transfer Requirements

Students can apply for Murray State online here: <https://www.murraystate.edu/admissions/apply.aspx>. Transfer requirements, scholarship information, and other relevant transfer information can also be found at www.murraystate.edu/admissions/transfer. Once the student has been accepted at Murray State and they receive their student ID (M#), they can apply for scholarships within our student portal, MyGate.

For specific questions concerning the transfer, students can contact the Transfer Center at (270)-809-3350 or msu.transfercenter@murraystate.edu.

A list of Murray State's General Education courses can be found here: <https://www.murraystate.edu/academics/UniversityStudies/courses.aspx>.

The general University Scholarship application is due on or before February 5th before the Fall semester entry. All students must complete the FAFSA to be eligible for scholarships.

**KCTCS Agriculture/Agronomy AAS TO Murray State University's Bachelor of Science in
Agricultural Science/Crop and Soil Management CHECKLIST**

Kentucky Community and Technical College System

Category 1: KCTCS General Education Requirements (15-33 hours)

KCTCS Course	Course or Category	Credits	Murray State Course	Completed
ENG 101	Writing I	3	ENG 105	
ENG 102	Writing II	3		
COM 181	Basic Public Speaking	3	COM 161	
MAT 150	College Algebra	3	MAT 140	
AGR 101	The Economics of Food and Agriculture	3	AGR 130	
TBS XXX	Heritage & Humanities Elective	3	TBD XXX	
BIO 112 & 113	Intro to Biology and Intro to Biology Lab	4	BIO 101 & BIO 100	
CHE 140 & 145	Introductory General Chemistry & Lab	4	CHE 105	
Subtotal - Minimum General Education Reqs for AAS		26		
<i>For full Category Certification: Students may wish to pursue full category certification at KCTCS. Please complete the additional courses listed below to complete category certification prior to transfer.</i>				
TBS XXX	Heritage & Humanities Elective	3	TBD XXX	
TBS XXX	Social & Behavioral Elective	3	TBD XXX	
TBS XXX	Social & Behavioral Elective	3	TBD XXX	
Subtotal General Education Courses		34		

TBS XXX means to be selected by KCTCS student.

TBD XXX means to be determined by Murray State University based on course selected.

Category 2: KCTCS AAS Requirements

Technical Core Courses

KCTCS Course	Course or Category	Credits	Murray State Course	Completed
DLC XXX	Digital Literacy**	0-3	TBD XXX	
AGR 125	Introduction to Fertilizers and Soils	3	AGR 345	
AGR 130	Field Applications in Agriculture	2	AGR 133	
AGR 140	Issues in Agriculture	3	AGR 199	
AGR 230	Career Development in Agriculture	3	AGR 399	
AGR 240	Introduction to Animal Science	3	AGR 100	
AGR 250	Introduction to Plants/Crop Production	3	AGR 240	
Subtotal AAS Technical Core Requirement Courses		17-20		

** Students must demonstrate computer/digital literacy skills, either through completing a course or passing a test.

Agronomy Track Courses

KCTCS Course	Course or Category	Credits	Murray State Course	Completed
AGR 135	Herbaceous Plant Production	3	TBD XXX	
AGR 215	Weed Management	3	TBD XXX	
AGR 245	Pest Management	3	TBD XXX	
AGR 180	Agricultural Internship I	2	TBD XXX	
TBS XXX	Electives	3	TBD XXX	
Subtotal Agronomy Track Courses		14		

TBS XXX means to be selected by KCTCS student.

TBD XXX means to be determined by Murray State University based on course selected.

Murray State University

Major Requirements for the Bachelor of Science in Agricultural Science/Crop and Soil Management

Murray State Course	Course	Credits	KCTCS Course	Taken at KCTCS
AGR 100T**	Transitions	1		
At least one: AGR 200	Cultural and International Agricultural Perspectives: Food, Fiber & Animal Resources	3		
AGR 353	World Food, Agriculture and Society	3		
At least one: AGR 330	Principles of Agribusiness Management	3		
AGR 333	Record Keeping & Analysis for Agribusiness	3	AGR 265	
At least one: AGR 170	Introduction to Agricultural Systems Technology	3	AGR 150	
AGR 370	Introduction to Precision Agriculture	3		
AGR 339	Computer Applications for Agriculture	3	AGR 220	
AGR 599	Agriculture Senior Capstone	1		
AGR 346	Soil Science Practicum	3		
AGR 378	Agriculture Environmental Management Systems	3		
AGR 455	Soil Management	3		
AGR 470	Soil & Water Engineering	3		
AGR 471	Applications in Precision Agriculture	3		
AGR 542	Plant Breeding I	3		
AGR 546	Integrated Pest Management	3		
AGR 547	Crop Management	3		
AGR 549	Weeds & Their Control	3		
BIO 222	Botany: Plant Form & Function	4	BIO 106, 140 & 141	
CHE 210	Brief Organic Chemistry	3	CHE 106	
CHE 215	Brief Organic Chemistry Laboratory	1		
Required Emphasis Tracks Listed Below (Practicum, Research, Sales/Production)		9-15		
	Required Minor Program	18		
Subtotal Murray State Credit Hours		52 - 58		
Total Baccalaureate Degree Credit Hours		122		

** Transition courses are waived for students who transfer 30 hours or more to Murray State University.
Earn at least 18 credits from AGR

Sales/Production Emphasis

Murray State Course	Course	Credits	KCTCS Course	Taken at KCTCS
At least three: AGR 130 AGR 330 AGR 333 AGR 334 AGR 433 AGR 490	Agricultural Economics Principles of Agribusiness Management Record Keeping & Analysis for Agribusiness Entrepreneurship in Agribusiness Farm Management Agricultural Supply Chain Management	3 3 3 3 3 3	AGR 101 AGR 265	
At least one: AGR 336 AGR 337	Agricultural Commodity Marketing Agricultural Sales & Merchandising	3 3	AGR 175	
At least three credits from: AGR 436 OR AGR 488	Undergraduate Research in Agriculture Cooperative Education/Internship	3-6 1-3		

Research Emphasis

Murray State Course	Course	Credits	KCTCS Course	Taken at KCTCS
AGR 328	Statistics for Food & Agriculture	3		
AGR 571	Advanced Precision Agriculture	3		
BIO 115	The Cellular Basis of Life	3	BIO 114 or 150	
At least three credits from: AGR 436 OR AGR 488	Undergraduate Research in Agriculture Cooperative Education/Internship	3-6 1-3		
TBS XXX	Agronomy Advisor-Approved Research Elective	3		

TBS XXX means to be selected.

Practicum Emphasis

Murray State Course	Course	Credits	KCTCS Course	Taken at KCTCS
AGR 498	Agronomy Practicum	12		
At least one: AGR 330 AGR 433 AGR 571	Principles of Agribusiness Management Farm Management Advanced Precision Agriculture	3 3 3		

Updated: April 16, 2025