

TRANSFER PATHWAY GUIDE

FOR

Associate in Applied Science in Computer Information Technologies to Murray State University's Cybersecurity & Network Management Program

Overview

Completion of the following curriculum will satisfy the requirements for Associate in Applied Science in Computer Information Technologies at the Kentucky Community and Technical College System and leads to the Bachelor of Science in Cybersecurity and Network Management at Murray State University.

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).

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

- Transfer Admissions Office Link: <https://www.murraystate.edu/admissions/transfer/index.aspx>
- Cybersecurity & Network Management Program Webpage: <https://murraystate.edu/cyber>

Students can complete the transfer application online at www.murraystate.edu/apply. Transfer requirements, scholarship information, and other relevant transfer information can also be found at www.murraystate.edu/admissions/transfer.

The institution has rolling admissions; students may enter the CNM program at either the August or January entry point. There may be limited offerings every summer term.

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

KCTCS Computer & Information Technologies AAS TO Murray State University's Bachelor of Science in Cybersecurity Network 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		
MAT 126 OR MAT 150	Technical Algebra & Trig OR College Algebra	3	MAT 117 MAT 140	
ECO 201 OR 202	Principles of Microeconomics OR Principles of Macroeconomics (Social/Beh)	3	ECO 231 ECO 230	
TBS XXX	<i>Heritage or Humanities</i>	3	TBD XXX	
TBS XXX	<i>Natural Science (+ lab, below)</i>	3	TBD XXX	
		15		
<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>				
ENG 102	Writing II	3	ENG 105 (w/101)	
TBS XXX	<i>Natural Science Lab</i>	1	TBD XXX	
TBS XXX	<i>Arts & Humanities</i>	3	TBD XXX	
TBS XXX	<i>Social & Behavioral</i>	3	TBD XXX	
TBS XXX	<i>Social & Behavioral</i>	3	TBD XXX	
COM 181	Basic Public Speaking	3	COM 161	
STA 220	Statistics	3	STA 135	
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

KCTCS Course	Course or Category	Credits	Murray State Course	Completed
CIT 105	Introduction to Computers	3	CSC 199	
CIT 111	Computer Hardware and Software	4	CNM 135	
CIT 120	Computational Thinking	3	CSC 101	
CIT 170	Database Design Fundamentals	3	CIS 307	
CIT 180	Security Fundamentals	3	CNM 251	
TBS XXX	Approved Level 1 Networking Course	4	TBD (Often CNM 241)	
TBS XXX	Approved Level 1 Programming Lang	3	TBD (Often EGR 140)	
TBS XXX	Approved CIT Capstone Course	1-3	TBD XXX	
TBS XXX	Approved Track (3 courses)	9	TBD XXX	
Subtotal AAS Requirement Courses		33-35		

Murray State University

Major Requirements for B.S. in Cybersecurity & Network Management (Any Track – See courses and equivalencies on Pg. 4)

Murray State Course	Course	Credits	KCTCS Course	Taken at KCTCS
ACC 200*	Principles of Financial Accounting	3	ACC 201	
ACC 201*	Principles of Managerial Accounting	3	ACC 202	
CNM 100T **	Transitions	1		
CNM 232	Operating Systems	3	CIT 150 or 217	
CNM 233	Network Services	3	CIT 227	
CNM 260	DevOps Fundamentals	3		
CNM 320	Introduction to Wireless Technology	3		
CNM 343	Protocol Analysis	3		
CNM 353	Network Security	3		
CNM 381	Information Technology Project Mgmt	3		
CNM 411	Network Design, Operations and Mgmt	3		
CNM 440	Information Assurance Policy and Mgmt	3		
FIN 330	Principles of Finance	3		
MKT 360	Principles of Marketing	3	BAS 282	
SOE 350	Technology Management	3		
SOE 399	Professional Development Seminar I	1		
CNM 488	Cooperative Education/Internship	3		
	<i>Electives/Track Courses (see below)</i>	9-18		
	<i>Any general education courses remaining</i>	0-17		
<i>Note that there is a 42 hour minimum required for upper level credits</i>				
Subtotal Murray State University Credit Hours		56-82		
Total Baccalaureate Degree Credit Hours			120	

*ACC 200 and ACC 201 are only typically offered online at MSU during the summer terms, as of 2023.

** Transitions courses are waived for students who transfer 30 hours of more to Murray State University.

Track/Limited Electives Options – MSU to KCTCS Equivalencies

Murray State Course	Course	Credits	KCTCS Course	Taken at KCTCS
Cloud and System Administration Track Courses				
CNM 345	Linux Server Administration	3	CIT 228	
CNM 352	System Security	3	CIT 184	
CNM 360	Cloud Enterprise Systems	3	CIT 206	
CNM 444	Enterprise Systems	3		
CNM 450	Legal, Social, and Ethical Issues in IT and Cybersecurity Mgmt	3		
Cybersecurity and Digital Forensics Track Courses				
CNM 342	Wireless Communications Security	3		
CNM 352	System Security	3	CIT 184	
CNM 441	Digital Forensics & Incident Response	3		
CNM 442	Cybersecurity Operations	3		
CNM 518	Threat Hunting & Security Ops Center Mgmt	3		
Wireless Communications Track Courses				
CNM 302	Internet of Things Networking	3		
CNM 322	WLAN Administration	3	CIT 167	
CNM 323	Wireless Mobile Internet	3		
CNM 324	Wireless Communications Security	3		
CNM 421	Advanced Wireless Communications	3		

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