Transfer Articulation Guide for Associate of Applied Sciences in Computer Science & Information Systems: Cyber Security to Bachelor of Science in Cybersecurity

Pursuant to the Articulation Partnership between Missouri Western State University (MWSU) and the North Central Missouri College (NCMC), this document serves as the Transfer Articulation Guide between MWSU and NCMC for the degree program of ***BS-Cybersecurity.*** This Transfer Articulation Guide is entered into pursuant to the Articulation Partnership between MWSU and NCMC and is effective beginning Fall 2025.

This transfer guide is provided as a service and is updated as needed. Degree requirements at the institutions are subject to change. To ensure you have the most accurate up to date information about the program, it is important you meet with an advisor at the transfer institution.

Program Entrance Requirements

- Overall GPA of 2.0 or higher
- ACT composite score of 25 or higher, or an ACT Science Reasoning score of 28 or higher
- Enrolled in CSC 184 Introduction to Computer Programming or have completed CSC 184 Introduction to Computer Programming with a grade of C or higher
- Bachelor's degree program listed above officially declared on the MWSU student record (indicated at time admission or upon meeting with an advisor.)

Degree Requirements

- Earn a minimum of 120 hours (100 level and higher, maximum of 6 CED credit hours applicable).
- Earn a minimum of 30 credit hours in upper division courses. Lower division transfer courses accepted as meeting upper division departmental course requirements cannot be used to fulfill this requirement.
- Earn 30 of the last 45 credit hours at MWSU in institutional course work (exclusive of credit by exam).
- Participate in required departmental and campus wide assessments.
- Earn an overall GPA at least 2.0 and a major GPA of at least 2.0.
- Earn a grade of C or higher in all major coursework.
- Fulfill the Missouri Constitution requirement.
- Successfully pass the Missouri Higher Education Civics Achievement exam.

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North Central Missouri College	Missouri Western State University
GENERAL EDUCATION COMPONENT OF AAS	
BT Microcomputer Applications (3 credits)	ACT 201 Microcomputer Applications (3 credits) (general elective)
EN 101 English I (3 credits)	ENG 104 College Writing/Rhetoric (3 credits)
MT 110 or Higher (3 credits) MAT 125 Elementary Statistics **(recommended)**	MAT 009 Prep Transfer Course Work (does not meet Gen Ed requirement) MAT111 Introductory Statistics (Required for Degree)
SP175 Speech Communications OR SP 220 Interpersonal Communications (3 credits)	COM 104 Oral Communications OR Lower Division Transfer Work (MOTR COMM 120) (3 credits)
HI 103 American History to 1877 OR HI 104 American History Since 1877 OR PL 216 National Government (3 credits)	HIS 140 American History to 1865 OR HIS 150 American History Since 1865 OR PSC 101 American National Government (3 credits)
BA 285 Business Ethics (3 credits)	PHL 232 Business Ethics (3 credits)
PROGRAM-TO-PROGRAM AAS TRANSFERABLE COURSES **Any courses not taken at NCMC will need to be taken at MWSU.**	
IT110 Fundamentals of Information Technology (3 credits)	ACT 101 Introduction to Information Technology (3 credits)
IT 122 Intro to Packet Tracer (1 credit) **AND** IT123 Intro to Networks (3 credits)	CSC 294 Networking and Telecommunications (3 credits)
IT235 System Administration and IT Infrastructure (3 credits)	CSC 264 Computer Architecture and Assembly (3 credits)
IT260 Advanced Database Management (3 credits)	ACT 301 Applied Database Systems (3 credits) *
IT266 Computer Operating Systems (3 credits)	CSC 386 Operating Systems Concepts (3 credits) *
IT268 Unix/Linux (3 credits)	CSC 274 Introduction to UNIX/Linux (3 credits)
IT 270 CS & IS Internship (4 credits)	Lower Division Transfer Course Work
IT280 Computer Hardware (3 credits)	SEC 200 Computer Hardware & Peripherals (3 credits)
IT285 Intro to Cyber Security (3 credits)	SEC 100 Introduction to Cybersecurity (3 credits)
IT286 Cyber Security Essentials (3 credits)	SEC 325 Cybercrime (3 credits) *
IT287 Cloud Security (3 credits)	General Elective (3 credits)
BT240 Employment Strategies (1 credit)	SEC 490 Cybersecurity Career Preparation (1 credit) *
BT210 Web Design I (3 credits)	ACT 102 Introduction to Web Page Development (3 credits) (general elective)
REMAINDER OF GENERAL EDUCATION CORE IN INCOMPLETE KNOWLEDGE AREAS	

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Can be taken at NCMC or MWSU.	
CJ 126 Intro to Criminal Justice (3 credits)	CRJ 100 Intro to Criminal Justice (3 credits) (required for degree)
Humanities & Fine Arts (6 credits)	
Social & Behavioral Sciences (3 credits)	
Natural Sciences (7 credits)	
Written Communication (3 credits)	
Additional credits to reach 42 credit hours	
BS PROGRAM REMAINING COURSES	
CSC 184 Introduction to Computer Programming (3 credits) (could take IT 185 – Python Programming at NCMC)	
SEC 260 Introduction to Digital Forensics (3 credits)	
CSC 374 UNIX/Linux System Administration (3 credits)	
SEC 305 Applied Cryptography (3 credits)	
SEC 310 Securing & Defending Networks (3 credits)	
SEC 350 Emerging Technologies in Cybersecurity (3 credits)	
SEC 425 Ethical Hacking (3 credits)	
SEC 380 Critical Infrastructure Threats & Security (3 credits)	
SEC 445 Security Program Governance (3 credits)	
SEC 360 Laws & Ethics in Cybersecurity and AI (3 credits)	
SEC 400 Cyber Investigations (3 credits)	
SEC 495 Cybersecurity Capstone (3 credits)	

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Equivalent course but does not count toward Missouri Western State University upper-division requirement (30 credit hours of 300+ numbered courses).

For more information, please contact:

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