

## Program Transfer Guide

**Northshore Technical Community College**

**Associate of Applied Science (AAS) in**

**INFORMATION SYSTEMS TECHNOLOGY**

**→ UIU Bachelor of Science (BS) in**

**CYBERSECURITY**

**JANUARY 2026**



EDUCATION BUILT FOR LIFE

### Years 1 & 2 at Northshore Technical Community College:

NTCC Program Course Sequence			Course Transfers into UIU as			
Course ID	Course Name	# Cr	Course ID	Course Name	# Cr	Requirement Fulfilled
<b>General Education Requirements</b>						
English Composition Elective ( <b>ENGL1015</b> )		3	<b>ENG 101</b>	<b>English Composition I</b>	3	PPE ENG 101
Mathematics Elective ( <b>MATH2410</b> )		3	<b>MATH 220</b>	<b>Elementary Statistics</b>	3	PPE QR & Bus Core
Natural Science Elective ( <b>GEOL1010</b> )		3	<b>ES 100</b>	<b>Introduction to Geology</b>	3	PPE Science
Behavioral Science Elective ( <b>ECON2020</b> )		3	<b>ECON 160</b>	<b>Principles of Microecon.</b>	3	PPE Civ/Ethics & Business Core
Humanities Elective ( <b>ENGL2020</b> )		3	<b>CREX 150</b>	<b>Creative Expr. Gen Ed</b>	3	PPE Creative Expr.
<b>Required Courses</b>						
INTE2115	Advanced Client/Server	3	----	----	3	Free Elective
INTE2350	Advanced Networking	3	----	----	3	Free Elective
INTE2950	Advanced Cloud Computing	3	----	----	3	Free Elective
INTE2975	Internship/Job Seeking Skills	3	----	----	3	Free Elective
INTE2995	Special Projects III	3	----	----	3	Free Elective
<b>Certificate of Technical Studies in Foundations of Information Technology</b>						
INTE1050	Intro to Information Tech.	3	----	----	3	Free Elective
INTE1150	PC Hardware & Software Lab	3	----	----	3	Free Elective
INTE1210	Introduction to Programming	3	IT 140	Intro to Programming	3	Free Elective
INTE1850	Introduction to Linux	3	----	----	3	Free Elective
INTE1950	Intro to Cloud Computing	3	----	----	3	Free Elective
INTE2015	Fundamentals of Client/Server	3	----	----	3	Free Elective
INTE2150	Networking I	3	----	----	3	Free Elective
INTE2250	Networking II	3	----	----	3	Free Elective
INTE2830	Cabling Infrastructure	3	----	----	3	Free Elective
INTE2545	Network Security: Ethical Hack	3	----	----	3	Free Elective
Total occupational course credits earned:		60	Total course credits accepted:		60	
Total transferable credits#:		60				

*UIU recommendations are **bolded**.*

**Years 3 & 4 at Upper Iowa University:**

UIU Program Course List		# Cr	Requirement Fulfilled	Transferred In
<b>Peacock Professional Experience (PPE) Courses</b>				
FYS 120 OR FYS 122	First Year Seminar (Fayette) First Year Seminar (Online/Self-Paced)	3	Success in Higher Education	--- OR ---
ENG 101	English Composition I	3	PPE Prof Comm/Wrtn (PW)	ENGL1015
ENG 102	English Composition II	3	PPE Prof Comm/Wrtn (PW)	---
COMM 105 OR COMM 200	Public Speaking Interpersonal Communication	3	PPE Prof Comm/Oral (PC)	--- OR ---
	any Human Values & Cultural Perspectives	3	PPE Human Values & Cultural Persp. (HVCP)	---
	any Quantitative Reasoning	3	PPE Quantitative Reasoning (QR)	ACCT 201
	any Science	3	PPE Science (SCI)	GEOL1010
	any Social Science	3	PPE Social Science (SSCI)	---
	any Civics, Ethics & Citizenship	3	PPE Civics, Ethics & Citizenship (CIV)	ECON 160
	any Creative Expression	3	PPE Creative Expression (CREX)	ENGL2020
<b>Peacock Professional Experience (Gen Ed) Electives (if needed)</b>				
<i>All students must complete at least 30 hours of general education (Peacock Professional Experience) coursework. If the student has had specific general education requirements waived above, you must meet the 30-hour minimum using any general education course(s) not already applied in the Peacock Professional Experience section.</i>				
PPE 100	Peacock Professional Experience Elective	3	PPE Electives	MATH2410
<b>Prerequisites</b>				
MATH 101 OR MATH 105 OR MATH 107	Math for Liberal Arts OR College Mathematics w/ Applications OR College Algebra	3	PPE QR & Prereq. for BA 256 or MATH Peacoc220 & ACCT 201	MATH2410
IS 102	Computer Applications and Technology	3	Prereq. For BA 256	MATH2410
<b>Business Core Courses</b>				
ECON 160	Principles of Microeconomics	3	Business Core/PPE CIV	ECON2020
ECON 161	Principles of Macroeconomics	3	Business Core	---
ACCT 201	Accounting Principles I	3	Business Core/PPE QR	---
ACCT 202	Accounting Principles II	3	Business Core	---
MKT 208	Marketing Principles	3	Business Core	---
BA 210	Management Principles	3	Business Core	---
BA 222	Management Information Systems	3	Business Core	---
BA 256 OR MATH 220	Quantitative Analysis for Business I Elementary Statistics	3	Business Core/PPE QR	MATH2410
BA 302	Business Law and Ethics	3	Business Core	---
FIN 341	Corporate Financial Management	3	Business Core	---
BA 356	Quantitative Analysis for Business II	3	Business Core	---
BA 374	Business Communication	3	Business Core	---
BA 460	Strategic Management	3	Business Core	---
<b>Major Courses</b>				
CYBR 101	Introduction to Cybersecurity	3	Major	---
CYBR 201	Network & System Security	3	Major	---
CYBR 202	Cybercrime & Governance	3	Major	---
CYBR 301	Security Operations	3	Major	---
CYBR 302	Ethical Hacking	3	Major	---
CYBR 401	Cybersecurity Capstone	3	Major	---

**Courses to be taken at Upper Iowa University**

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	Choose one 300-400 Business course (3 cr)	3	Major	---
	<b>Additional Electives</b>			
	Upper-Division Electives	3	Degree Requirements	---
Total additional credits needed at UIU to complete degree:		<b>69</b>		
Total transferable credits from NTCC:		60		
<b>Total Earned Credits:</b>		<b>129</b>		

## ~~ NOTES ~~

**LEGEND:**

- #Transfer grades lower than a C- will not be accepted.
- **Bolded** text indicates UIU recommendations.
- *Grayed out text* indicates courses fulfilled through transfer. Strikethrough indicates specific course if within grouping.

A minimum of 120 semester credits is required for a baccalaureate degree; up to 78 lower-division college semester credits from Northshore Technical Community College. A minimum of 30 credits must be upper-division credits for a UIU baccalaureate degree; lower-division transfer work from Northshore Technical Community College does not contribute to the upper-division credit requirement at UIU.

*This program transfer guide is based on the June 2025 course-to-course articulation (UIU 2024-25 catalog & NTCC 2024-25 catalog), as how credits would apply to the 2025-26 year degree requirements for this major at UIU.*

Every effort has been made to ensure the accuracy and completeness of this program articulation. The office of the Registrar of Upper Iowa University reserves the right to make corrections, additions, and deletions as necessary.

### Elective Transfer Table

NTCC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>English Composition Elective</b>						
<b>ENGL1015</b>	<b>English Composition I</b>	<b>3</b>	<b>ENG 101</b>	<b>English Composition I</b>	<b>3</b>	<b>PPE ENG 101</b>
ENGL1025	English Composition II	3	ENG 102	English Composition II	3	PPE ENG 102
<b>Mathematics Elective</b>						
MATH1001	Applied Algebra	3	----	----	3	Free Elective
MATH1005	College Algebra Fundamentals	3	MATH 105	College Math w/ Applications	3	PPE QR & Prereq
MATH1015	College Algebra	3	MATH 107	College Algebra	3	PPE QR & Prereq
MATH1200	Contemporary Math	3	MATH 101	Math for Liberal Arts	3	PPE QR & Prereq
MATH1500	Finite Math	3	QR 150	Quant. Reasoning Gen Ed	3	PPE Quant. Reasoning
MATH1620	Plane Trigonometry	3	MATH 115	TrigAnalytic Geometry	3	PPE QR & Prereq
MATH1650	Pre-Calculus with Trigonometry	5	MATH 115	TrigAnalytic Geometry	5	PPE QR & Prereq
MATH2000	Calculus	5	MATH 120	Calculus I	5	Free Elective
<b>MATH2410</b>	<b>Elementary Statistics</b>	<b>3</b>	<b>MATH 220</b>	<b>Elementary Statistics</b>	<b>3</b>	<b>PPE QR &amp; Bus Core</b>
<b>Natural Science Elective</b>						
BIOL1010	Introduction to Biology I	3	SCI 150	Science Gen Ed	3	PPE Science
BIOL1020	Introduction to Biology II	3	SCI 150	Science Gen Ed	3	PPE Science
BIOL1100	General Biology I (Science Major)	3	SCI 150	Science Gen Ed	3	PPE Science
BIOL1110	Environmental Biology	3	ES 161	Intro to Environmental Science	3	PPE Science
BIOL1200	General Biology II (Science Major)	3	SCI 150	Science Gen Ed	3	PPE Science

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BIOL2200	Human Anatomy & Physiology I	3	SCI 150	Science Gen Ed	3	PPE Science
BIOL2230	Medical Microbiology	3	SCI 150	Science Gen Ed	3	PPE Science
BIOL2300	Human Anatomy & Physiology II	3	----	----	3	Free Elective
CHEM1010	Gen. Chemistry I Non-Science Major	3	SCI 150	Science Gen Ed	3	PPE Science
<b>GEOL1010</b>	<b>Physical Geology</b>	<b>3</b>	<b>ES 100</b>	<b>Introduction to Geology</b>	<b>3</b>	<b>PPE Science</b>
GEOL1020	Historical Geology	3	ES 100	Introduction to Geology	3	PPE Science
PHYS1010	Elementary Physics	3	SCI 150	Science Gen Ed	3	PPE Science
<b>Behavioral Science Elective</b>						
ECON2010	Principles of Macroeconomics	3	ECON 161	Principles of Macroeconomics	3	Free Elective
<b>ECON2020</b>	<b>Principles of Microeconomics</b>	<b>3</b>	<b>ECON 160</b>	<b>Principles of Microeconomics</b>	<b>3</b>	<b>PPE Civ/Ethics &amp; Business Core</b>
POLI2010	Intro to American Government	3	PS 100	US Government	3	PPE Civ/Ethics
POLI2020	State & Local Politics	3	PS 230	State & Local Government	3	PPE Civ/Ethics
PYSC1500	Psych of Addict Behav. & Sub Abuse	3	PSY 302	Substance Abuse	3	Free Elective
PSYC2015	Introduction to Psychology	3	PSY 190	General Psychology	3	PPE Social Science
PSYC2040	Developmental Psychology	3	EDU 142	Human Growth/Dev/Guidance	3	PPE Social Science
PSYC2100	Social Psychology	3	PSY 310	Social Psychology	3	Free Elective
SOCL2015	Introduction to Sociology	3	SOC 110	Principles of Sociology	3	PPE Social Science
SOCL2120	Social Problems	3	SOC 220	Social Problems	3	PPE Social Science
SOCL2220	Marriage and Family	3	HSV 361	Marriage and the Family	3	Free Elective
SOCL2420	Stratification & Inequality	3	SOC 363	Social Stratification	3	Free Elective
<b>Humanities Elective</b>						
ENGL2010	British Literature	3	CREX 150	Creative Expression Gen Ed	3	PPE Creative Expr.
<b>ENGL2020</b>	<b>American Literature</b>	<b>3</b>	<b>CREX 150</b>	<b>Creative Expression Gen Ed</b>	<b>3</b>	<b>PPE Creative Expr.</b>
ENGL2030	World Literature	3	ENG 214	World Literature Survey	3	Free Elective
HIST1010	Western Civilization I	3	SSCI 150	Social Science Gen Ed	3	PPE Social Science
HIST1020	Western Civilization II	3	SSCI 150	Social Science Gen Ed	3	PPE Social Science
HIST1500	World History Persp. Of Oil	3	----	----	3	Free Elective
HIST2010	American History	3	HIST 110	American History to 1877	3	PPE Social Science
HIST2020	American History II	3	HIST 111	American History Since 1877	3	PPE Social Science
HIST2100	History of Louisiana	3	SSCI 150	Social Science Gen Ed	3	PPE Social Science
HMAN2015	Humanities for Leaders	3	CREX 150	Creative Expression Gen Ed	3	PPE Creative Expr.

## Maximize Your Transfer to UIU

*Take up to 18 credits to fulfill the Peacock Professional Experience (PPE) and Business Core Requirements.*

Choose up to 18 additional credits at Northshore Technical Community College to transfer into Upper Iowa University to fulfill PPE and Business Core requirements. Talk with your advisors to ensure additional courses will fit with your degree plan and financial aid requirements.

### Choose up to 18 credits from the following areas:

- Professional Communication (Oral) PPE Requirement – up to 3 credits
- Professional Communication (Written) PPE Requirement – up to 3 credits (ENG 102)
- Social Science PPE Requirement - up to 3 credits
- Human Values & Cultural Perspectives PPE Requirement – up to 3 credits
- Business Core Requirements – up to 9 credits (ECON 161, ACCT 201 & ACCT 202)

### *Additional Elective Transfer Guide*

NTCC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Professional Communication (Written) PPE Requirement</b>						
ENGL1025	English Composition II	3	ENG 102	English Composition II	3	PPE ENG 102
<b>Professional Communication (Oral) PPE Requirement</b>						
SPCH 1015	Introduction to Speaking	3	COMM 105	Public Speaking	3	PPE COMM 105
<b>Social Science PPE Requirement</b>						
CRMJ1110	Intro to Criminal Justice	3	CJ 224	Introduction to Criminal Justice	3	PPE Social Science
CRMJ2112	Social Problems for CJ	3	SSCI 150	Social Science Gen Ed	3	PPE Social Science
HIST1010	Western Civilization I	3	SSCI 150	Social Science Gen Ed	3	PPE Social Science
HIST1020	Western Civilization II	3	SSCI 150	Social Science Gen Ed	3	PPE Social Science
HIST2010	American History	3	HIST 110	American History to 1877	3	PPE Social Science
HIST2020	American History II	3	HIST 111	American History Since 1877	3	PPE Social Science
HIST2100	History of Louisiana	3	SSCI 150	Social Science Gen Ed	3	PPE Social Science
PSYC2015	Introduction to Psychology	3	PSY 190	General Psychology	3	PPE Social Science
PSYC2040	Developmental Psychology	3	EDU 142	Human Growth/Dev/Guidance	3	PPE Social Science
SOCL2015	Introduction to Sociology	3	SOC 110	Principles of Sociology	3	PPE Social Science
SOCL2120	Social Problems	3	SOC 220	Social Problems	3	PPE Social Science
<b>Human Values &amp; Cultural Perspectives PPE Requirement</b>						
RELG2015	Intro to World Religion	3	REL 120	Introduction to World Religion	3	PPE HVCP
<b>Business Core Requirements</b>						
ACCT2100	Financial Accounting	3	ACCT 201	Accounting Principles I	3	PPE QR & Bus Core
ACCT 2110	Managerial Accounting	3	ACCT 202	Accounting Principles II	3	Business Core
ECON2010	Principles of Macroeconomics	3	ECON 161	Principles of Macroeconomics	3	Business Core