

## Program Transfer Guide

### Hawkeye Community College Associate in Applied Arts (AAA) in INFORMATION SYSTEMS MANAGEMENT → UIU Bachelor of Science (BS) in INFORMATION SYSTEMS

AUGUST 2020



#### Years 1 & 2 at Hawkeye Community College:

HCC Program Course Sequence			Course Transfers into UIU as			
Course ID	Course Name	# Cr	Course ID	Course Name	# Cr	Requirement Fulfilled
<b>Semester 1</b>						
CIS 303	Introduction to Database	3	CS 332	Databases & Info Mgmt.	3	Major
<b>CSC 116</b>	<b>Information Computing</b>	<b>3</b>	<b>CS 102</b>	<b>Intro Computer Apps &amp; Tech</b>	<b>3</b>	<b>Gen Ed Comp. Skills</b>
OR		OR			OR	
<b>CSC 110</b>	<b>Introduction to Computers</b>	<b>3</b>	<b>CS 102</b>	<b>Intro Computer Apps &amp; Tech</b>	<b>3</b>	<b>Gen Ed Comp. Skills</b>
OR		OR			OR	
BCA 205	Database/Spreadsheets	3	---	---	3	Free Elective
MAT 110	Math for Liberal Arts	3	---	---	3	Free Elective
OR		OR			OR	
<b>MAT 121</b>	<b>College Algebra</b>	<b>4</b>	<b>MATH 107</b>	<b>College Algebra</b>	<b>4</b>	<b>Gen Ed Math &amp; Major</b>
OR		OR			OR	
MAT 134	Trig & Analytic Geometry	3	MATH 115	Trig & Analytic Geometry	3	Gen Ed Mathematics
OR		OR			OR	
MAT 210	Calculus I	4	MATH 120	Calculus I	4	Gen Ed Mathematics
NET 109	A+ Certification Prep Course	4	CS 122	IT Infrastructure	4	Major
NET 115	College Experience	1	---	---	1	Free Elective
NET 213	CISCO Networking	4	IT 311	Networking <sup>@</sup>	4	Non-IS Elective
			<i>(Both NET 213 &amp; NET 225 required to transfer as IT 311)</i>			
<b>Semester 2</b>						
BUS 102	Introduction to Business	3	---	---	3	Free Elective
COM 781	Written Comm in Workplace	3	---	---	3	Free Elective
OR		OR			OR	
<b>ENG 105</b>	<b>Composition I</b>	<b>3</b>	<b>ENG 101</b>	<b>English Composition I</b>	<b>3</b>	<b>Gen Ed Comm./Wrtn</b>
NET 225	Routing & Switching Essentials	4	<i>(Both NET 213 &amp; NET 225 required to transfer as IT 311)</i>		4	Free Elective
NET 313	Windows Server	3	<i>(Both NET 313 &amp; NET 412 required to transfer as CS 213)</i>		3	Free Elective
PSY 102	Human and Work Relations	3	---	---	3	Free Elective
OR		OR			OR	
<b>PSY 111</b>	<b>Introduction to Psychology</b>	<b>3</b>	<b>PSY 190</b>	<b>General Psychology</b>	<b>3</b>	<b>Gen Ed Soc. Sci.</b>
OR		OR			OR	
<b>SOC 110</b>	<b>Introduction to Sociology</b>	<b>3</b>	<b>SOC 110</b>	<b>Principles of Sociology</b>	<b>3</b>	<b>Gen Ed Soc. Sci.</b>
<b>Semester 3</b>						
ACC 131	Principles of Accounting I	4	ACCT 201	Accounting Principles I	4	Major
MAT 156	Statistics	3	MATH 220	Elementary Statistics	3	Gen Ed Math & Major
MGT 101	Principles of Management	3	BA 210	Management Principles	3	Major
SPC 101	Fund. of Oral Communication	3	COMM 105	Public Speaking	3	Gen Ed Comm./Oral
<b>Semester 4</b>						
ACC 132	Principles of Accounting II	4	ACCT 202	Accounting Principles II	4	Free Elective
CIS 750	Project Management	3	---	---	3	Free Elective
MGT 170	Human Resource Management	3	BA 361	Human Resources Mgmt.	3	Free Elective
NET 932	Internship	2	---	---	2	Free Elective
BUS 183	Business Law <i>(Elective)</i>	3	BA 302	Business Law and Ethics	3	Major

Total occupational course credits earned:	62-63
Total credits required for graduation:	61
Total transferable credits <sup>#</sup> :	62-63

Total course credits accepted: 62-63

*UIU recommendations are **bolded**.*

Program Transfer Guide – HCC INFORMATION SYSTEMS MANAGEMENT → UIU INFORMATION SYSTEMS – August 2020  
**Years 3 & 4 at Upper Iowa University:**

UIU Program Course List		# Cr	Requirement Fulfilled	Transferred In
<b>General Education Courses</b>				
	any Gen Ed in Arts/Humanities	3	Gen Ed Arts/Humanities	---
	any Gen Ed in Arts/Humanities	3	Gen Ed Arts/Humanities	---
ENG 101	English Composition I	3	Gen Ed Comm./Wrtn	ENG 105
ENG 102	English Composition II	3	Gen Ed Comm./Wrtn	---
COMM 105	Public Speaking	3	Gen Ed Comm./Oral	SPC 101
CS 102	Intro Computer Applications & Technology	3	Gen Ed Computer Skills	CSC 116 OR CSC 110
	any Gen Ed in Mathematics (MATH 105 or higher)	3	Gen Ed Mathematics	MAT 121
	any Gen Ed in Natural Science	3	Gen Ed Natural Science	---
	any Gen Ed in Natural Science	3	Gen Ed Natural Science	---
	any Gen Ed in Social Science	3	Gen Ed Social Science	ECON 160 in major
	any Gen Ed in Social Science	3	Gen Ed Social Science	PSY 111 OR SOC 110
	any Gen Ed in Cultures	3	Gen Ed Cultures	---
<b>Major Courses</b>				
MATH 107	College Algebra	3	Major	MAT 121
CS 122	IT Infrastructure	4	Major	NET 109
CS 130	Foundations of Information Systems	3	Major	---
ECON 160	Principles of Microeconomics	3	Major	---
ACCT 201	Accounting Principles I	3	Major	ACC 131
MKT 208	Marketing Principles	3	Major	---
BA 210	Management Principles	3	Major	MGT 101
MATH 220	Elementary Statistics	3	Major	MAT 156
BA 222	Management Information Systems	3	Major	---
BA 302	Business Law and Ethics	3	Major	BUS 183
IS 310	Systems Analysis and Design	3	Major	---
IS 320	Enterprise Architecture	3	Major	---
CS 332	Databases and Information Management	3	Major	CIS 303
CS 342	Human Computer Interaction	3	Major	---
CS 400	Project Management and Integration	4	Major	---
IS 410	IS Strategy, Management, and Acquisition	3	Major	---
IS 480	IS Senior Capstone	1	Major	---
IS 481	IS Senior Capstone II	2	Major	---
IT 311	Networking*	4	Non-IS Elective	NET 213 & NET 225
Upper-division Electives (from list below)		3	Major	---
<b>Additional Electives</b>				
Upper-division Electives		9	Degree Requirements	---
Total additional credits needed at UIU to complete degree:		<b>61</b>		
Total transferable credits from HCC:		62-63		
<b>Total Earned Credits:</b>		<b>123-124</b>		

Courses to be taken at Upper Iowa University

<b>Information Systems Elective Options at UIU</b>			
<b>Information Systems, Security and Integration (ISSI) Specialization Electives</b>			
IS 360	IT Security and Risk Management		
IS 420	Enterprise Systems and Integration		
<b>Information Systems and Technology Management (ISTM) Specialization Electives</b>			
IS 348	Business Process Management		
IS 370	IT Audit and Controls		
<b>Other IS Electives</b>			
IS 499	Special Project		
<b>Non-IS Electives</b>			
SE 300	Data Structures and Algorithms *	IT 320	Web Systems and System Integration *
<del>IT 311</del>	<del>Networking*</del>	IT 410	Information and System Security *
SE 310	Software Application and Interface Design *	SE 410	Software Testing, Validation and Verification *

## ~~ NOTES ~~

**LEGEND:**

- # Transfer grades lower than a C- will not be accepted.
- @ indicates both courses are required to meet this course, else if only part of this combination is taken, all courses would be considered free electives.
- • Course has a prerequisite.
- **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 Hawkeye Community College. A minimum of 30 credits must be upper-division credits for a UIU baccalaureate degree; lower-division transfer work from Hawkeye Community College does not contribute to the upper-division credit requirement at UIU.

*This program transfer guide is based on the May 2020 course-to-course articulation (UIU 2019-2020 catalog & HCC 2019-2020 catalog).*

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.

<b>Elective Transfer Table</b>						
<b>HCC ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Information Technology Electives</b>						
<b>BUS 183</b>	<b>Business Law</b>	<b>3</b>	<b>BA 302</b>	<b>Business Law and Ethics</b>	<b>3</b>	<b>Major</b>
NET 310	Virtual Machines	3	---	---	3	Free Elective
NET 346	Windows Exchange Server	3	---	---	3	Free Elective
NET 412	Linux System Administration	3	---	<i>(Both NET 313 &amp; NET 412 required to transfer as CS 213)</i>	3	Free Elective
NET 474	Certification Preparation	1	---	---	1	Free Elective
NET 475	Certification Preparation	2	---	---	2	Free Elective
NET 612	Fundamentals of Network Security	3	---	---	3	Free Elective
NET 949	Special Topics	1	---	---	1	Free Elective

## Maximize Your Transfer to UIU

*Take up to 15 credits to fulfill general education requirements.*

Choose up to 15 additional credits at Hawkeye Community College to transfer into Upper Iowa University to fulfill general education requirements. View the Additional Elective Transfer Guide list below for course selection and recommendations. Talk with your advisors to ensure additional courses will fit with your degree plan and financial aid requirements.

**Choose up to 15 credits from the following areas:**

- Arts/Humanities General Education Requirement – up to 6 credits
- Communication (Written) General Education Requirement – up to 3 credits
- Natural Science General Education Requirement – up to 6 credits
- Cultures General Education Requirement – up to 3 credits

**LEGEND:**

- **Bolded** text indicates UIU recommendations
- • Course has a prerequisite

<b>Additional Elective Transfer Guide</b>						
<b>HCC ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Arts/Humanities General Education Requirement</b>						
ART 101	Art Appreciation	3	ART 100	Introduction to Art	3	Gen Ed Arts/Humn.
ART 120	2-D Design	3	ART 109	Two Dimensional Foundations	3	Gen Ed Arts/Humn.
ART 123	3-D Design	3	ART 120	Three Dimensional Foundations	3	Gen Ed Arts/Humn.
ART 133	Drawing	3	ART 110	Drawing	3	Gen Ed Arts/Humn.
ART 134	Drawing II	3	ART 210	Intermediate Drawing •	3	Gen Ed Arts/Humn.
ART 143	Painting	3	ART 202	Painting •	3	Gen Ed Arts/Humn.
ART 144	Painting II	3	---	---	3	Gen Ed Arts/Humn.
ART 173	Ceramics	3	ART 222	Ceramics/Hand Building	3	Gen Ed Arts/Humn.
ART 184	Photography	3	---	---	3	Gen Ed Arts/Humn.
ART 203	Art History I	3	ART 211	Art History I	3	Gen Ed Arts/Humn.
ART 204	Art History II	3	ART 212	Art History II	3	Gen Ed Arts/Humn.
DRA 107	Theatrical Arts and Society	3	---	---	3	Gen Ed Arts/Humn.
DRA 110	Introduction to Film	3	---	---	3	Gen Ed Arts/Humn.
ENG 221	Creative Writing	3	ENG 170	Introduction to Creative Writing •	3	Gen Ed Arts/Humn.
ENG 235	Playwriting and Screenwriting	3	---	---	3	Gen Ed Arts/Humn.
FLF 145	French I	5	---	---	5	Gen Ed Arts/Humn.
FLF 245	French II	5	---	---	5	Gen Ed Arts/Humn.
FLS 128	Conversational Spanish	3	---	---	3	Gen Ed Arts/Humn.
FLS 151	Elementary Spanish I	5	SPN 101	Beginning Spanish I	5	Gen Ed Arts/Humn.
FLS 152	Elementary Spanish II	5	SPN 102	Beginning Spanish II •	5	Gen Ed Arts/Humn.
FLS 241	Intermediate Spanish I	4	SPN 201	Intermediate Spanish I •	4	Gen Ed Arts/Humn.
FLS 242	Intermediate Spanish II	4	SPN 202	Intermediate Spanish II •	4	Gen Ed Arts/Humn.
GRA 206	Advanced Design and Layout	4	GRAF 335	Publication Design •	4	Gen Ed Arts/Humn.
HUM 130	Holocaust Perspectives: Confronting the Future	3	---	---	3	Gen Ed Arts/Humn.
HUM 140	Shakespeare: Dramatist, Psychologist, Historian	3	---	---	3	Gen Ed Arts/Humn.

**Additional Elective Transfer Guide (continued)**

HCC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Arts/Humanities General Education Requirement (continued)</b>						
HUM 141	J.R.R. Tolkien: Mythology and Methodology	3	ENG 135	Tolkien	3	Gen Ed Arts/Humn.
LIT 101	Introduction to Literature	3	ENG 125	Introduction to Literature	3	Gen Ed Arts/Humn.
LIT 133	Minority Voices in U.S. Literature	3	---	---	3	Gen Ed Arts/Humn.
LIT 142	Major British Writers	3	---	---	3	Gen Ed Arts/Humn.
LIT 189	Women and Literature	3	---	---	3	Gen Ed Arts/Humn.
MMS 103	Basic Digital Photography	3	GRAF 218	Digital Photography and Editing	3	Gen Ed Arts/Humn.
MUS 100	Music Appreciation	3	MUS 100	Introduction to Music	3	Gen Ed Arts/Humn.
MUS 102	Music Fundamentals	3	---	---	3	Gen Ed Arts/Humn.
PHI 101	Introduction to Philosophy	3	PHIL 150	Introduction to Philosophy	3	Gen Ed Arts/Humn.
PHI 105	Introduction to Ethics	3	PHIL 202	Contemporary Ethics	3	Gen Ed Arts/Humn.
PHI 121	Classical/Medieval Philosophy	3	---	---	3	Gen Ed Arts/Humn.
REL 101	Survey of World Religions	3	REL 120	Introduction to World Religions	3	Gen Ed Arts/Humn.
REL 130	Introduction to Religions of the East	3	REL 205	Religions of Asia	3	Gen Ed Arts/Humn.
<b>Communication (Written) General Education Requirement</b>						
ENG 106	Composition II	3	ENG 102	English Composition II •	3	Gen Ed Comm./Wrtn
<b>Cultures General Education Requirement</b>						
ANT 105 OR SOC 208	Cultural Anthropology Introduction to Cultural Anthropology	3	ANTH 110	Introduction to Cultural Anthropology	3	Gen Ed Cultures or Gen Ed Soc. Sci.
CLS 130	African Cultures	3	---	---	3	Gen Ed Cultures
CLS 141	Middle Eastern History and Culture	3	---	---	3	Gen Ed Cultures
CLS 150	Latin American History and Culture	3	SPN 125	Introduction to Hispanic Culture & Society	3	Gen Ed Cultures or Gen Ed Soc. Sci.
CLS 160	East Asian Cultures	3	---	---	3	Gen Ed Cultures
CLS 164	Japanese History and Culture	3	---	---	3	Gen Ed Cultures
CLS 172	Russian Civilization	3	---	---	3	Gen Ed Cultures
COM 148	Diversity and the Media	3	---	---	3	Gen Ed Cultures
EDU 223	Multicultural Education	3	EDU 162	Diversity for Teachers	3	Gen Ed Cultures
SOC 135	Death and Dying	3	PSY 321	Death and Dying •	3	Gen Ed Soc. Sci. or Gen Ed Cultures
SOC 200 OR SOC 205	Minority Group Relations Diversity in America	3 OR 3	SOC 240	Diversity in the United States	3	Gen Ed Cultures or Gen Ed Soc. Sci.
SPC 120	Intercultural Communications	3	COMM 221	Intercultural Communication	3	Gen Ed Cultures
<b>Natural Science General Education Requirement</b>						
AGA 154	Fundamentals of Soil Science	3	---	---		Gen Ed Nat. Sci.
BIO 105	Introductory Biology	4	BIO 100	General Biological Science	4	Gen Ed Nat. Sci.
BIO 112	General Biology I	4	BIO 135	Principles of Biology I	4	Gen Ed Nat. Sci.
BIO 113	General Biology II	4	BIO 140	Principles of Biology II •	4	Gen Ed Nat. Sci.

**Additional Elective Transfer Guide** (continued)

HCC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Natural Science General Education Requirement</b> (continued)						
BIO 151	Nutrition	3	BIO 165	Human Biology and Nutrition	3	Gen Ed Nat. Sci.
BIO 154	Human Biology	3	---	---	3	Gen Ed Nat. Sci.
BIO 163 OR BIO 166	Essentials of Anatomy and Physiology Fundamentals of Anatomy and Physiology	4 OR 4	BIO 268	Introduction to Human Anatomy and Physiology •	4	Gen Ed Nat. Sci.
BIO 168	Human Anatomy and Physiology I	4	BIO 270	Human Anatomy and Physiology I •	4	Gen Ed Nat. Sci.
BIO 186	Microbiology	4	BIO 210	Microbiology •	4	Gen Ed Nat. Sci.
CHM 122	Introduction to General Chemistry	4	---	---	4	Gen Ed Nat. Sci.
CHM 132	Introduction to Organic and Biochemistry	4	---	---	4	Gen Ed Nat. Sci.
CHM 165	General Chemistry I	4	CHEM 151	General Chemistry I	4	Gen Ed Nat. Sci.
CHM 175	General Chemistry II	4	CHEM 152	General Chemistry II •	4	Gen Ed Nat. Sci.
CNS 121 OR ENV 115	Environmental Conservation Environmental Science	3 OR 3	ES 161	Introduction to Environmental Science	3	Gen Ed Nat. Sci.
GEO 131	Physical Geography	3	GEOG 100	Introduction to Physical Geography	3	Gen Ed Nat. Sci. or Gen Ed Soc. Sci.
PHS 142	Principles of Astronomy	3	PHY 110	Intro to Astronomy	3	Gen Ed Nat. Sci.
PHY 100 OR PHY 183	Physics in Everyday Life Applied Physics	3 OR 3	PHY 105	Conceptual Physics	3	Gen Ed Nat. Sci.
PHY 162 OR PHY 212	College Physics I Classical Physics I	4 OR 5	PHY 111 & PHY 112	Introductory Physics I (3) & Introductory Physics Laboratory I (1)	4	Gen Ed Nat. Sci.
PHY 172 OR PHY 222	College Physics II Classical Physics II	4 OR 5	PHY 113 & PHY 114	Introductory Physics II (3) & Introductory Physics Laboratory II (1) •	4	Gen Ed Nat. Sci.