

## Program Transfer Guide

**Des Moines Area Community College Associate of Applied Science (AAS) in**

**CRIMINAL JUSTICE**

**→ UIU Bachelor of Science (BS) in**

**CRIMINAL JUSTICE: Homeland Security Emphasis**

**JULY 2020**



**UPPER IOWA**  
UNIVERSITY

EDUCATION BUILT FOR LIFE

### Years 1 & 2 at Des Moines Area Community College:


DMACC Program Course Sequence			Course Transfers into UIU as			
Course ID	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
Semester 1						
SDV 108	The College Experience	1	---	---	1	Free Elective
CRJ 100	Intro to Criminal Justice	3	CJ 224	Intro to Criminal Justice	3	Major
CRJ 107	Survey Crim Justice Agencies	3	---	---	3	Free Elective
SOC 110 OR	Intro to Sociology (Elective)	3 OR	SOC 110 OR	Principles of Sociology	3 OR	Gen Ed Soc. Sci. & Pre-req.
Social Sci. & Behavioral Sci./Humanities Elective		3	See Electives Table		3	See Electives Table
MAT 157 OR	Statistics (Elective)	4 OR	MATH 220 OR	Elementary Statistics	4 OR	Gen Mathematics & Pre-req.
Select a Math or Science Elective		3	See Electives Table		3	See Electives Table
ENG 105 OR	Composition I (Elective)	3 OR	ENG 101 OR	English Composition I	3 OR	Gen Ed Comm./Wrtn
Select a Communications Elective		3	See Electives Table		3	See Electives Table
Semester 2						
CRJ 200	Criminology	3	CJ 333	Criminology	3	Major
CRJ 237	Criminal & Constitutional Law	3	CJ 237	Criminal Law & Procedure	3	Free Elective
SPC 101 OR	Fund Oral Communication (Elective)	3 OR	COMM 105 OR	Public Speaking	3 OR	Gen Ed Comm./Oral
Select a Distributed Elective		3	See Electives Table		3	See Electives Table
CRJ 111 AND	Police and Society (Elective)	3 AND	CJ 365 AND	Introduction to Policing	3 AND	Major
CRJ 120	Intro to Corrections (Elective)	3	CJ 380	Intro to Corrections	3	Major
OR		OR	OR		OR	
Select 6 credits from Option Table		6	See Criminal Justice Option Table		6	See Option Table
Semester 3						
ENG 106 OR	Composition II (Elective)	3 OR	ENG 102 OR	English Composition II	3 OR	Gen Ed Comm./Wrtn
Select a Distributed Elective		3	See Electives Table under Distributed		3	See Electives Table
Social Sci. & Behavioral Sci./Humanities Elective		3	See Electives Table- Select course fulfilling		3	Gen Ed Arts/Humn.
CRJ 301 AND	Intro to Homeland Security (Elective)	3 AND	PA 306 AND	Prin. of Emergency Mgmt.	3 AND	Major
CRJ 302 AND	Transportation & Border Sec (Elective)	3 AND	CJ 423 AND	Intro to Terrorism *	3 AND	Major
CRJ 303 AND	Intel Analysis & Sec Mgmt. (Elective)	3 AND	CJ 425 AND	Intel Analysis & Security Mgmt. *	3 AND	Major
SOC 200	Minority Group Relations (Elective)	3	SOC 240	Diversity in the U.S.	3	Major & Gen Ed Cultures
OR		OR	OR		OR	
Select 12 credits from Option Table		12	See Criminal Justice Option Table		12	See Option Table
Semester 4						
CRJ 294	CJ Communication Strategies	3	---	---	3	Free Elective
CRJ 932	Internship	3	---	---	3	Free Elective
Select 9 credits from Option Table		9	See Criminal Justice Option Table		9	See Option Table
Total occupational course credits earned:		64-65	Total course credits accepted:		64-65	
Total credits required for graduation:		64				
Total transferable credits#:		64-65				

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

Courses to be taken at Upper Iowa University	UIU Program Course List		# Cr	Requirement Fulfilled	Transferred In
	General Education Courses				
		any Gen Ed in Arts/Humanities	3	Gen Ed Arts/Humanities	Soc. Sci & Behavioral Sci. Elective
		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	ENG 106
	COMM 105	Public Speaking	3	Gen Ed Comm./Oral	SPC 105
	CS 102	Intro Computer Appl's & Technology	3	Gen Ed Computer Skills	---
		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	SOC 110
		any Gen Ed in Social Science	3	Gen Ed Social Science	CRJ 100
		any Gen Ed in Cultures	3	Gen Ed Cultures	SOC 200
	Prerequisites				
	MATH 105	College Mathematics with Apps	3	Gen Ed Mathematics & Prereq. for Math 220	MAT 157
	MATH 220	Elementary Statistics	3	Prereq. for SOC 334	MAT 157
	SOC 110	Principles of Sociology	3	Prereq. for CJ 333	SOC 110
	Major Courses				
	CJ 224	Introduction to Criminal Justice	3	Major	CRJ 100
	CJ 333	Criminology	3	Major	CRJ 200
	CJ 365	Introduction to Policing	3	Major	CRJ 111
	CJ 367	Ethics in Criminal Justice	3	Major	---
	CJ 380	Introduction to Corrections	3	Major	CRJ 120
	CJ 388	Comparative Justice	3	Major	---
	SOC 334	Sociological Research Methods	3	Major	---
	One of the following: SOC 220 Social Problems SOC 240 Diversity in the United States [SOC 200]		3	Major	SOC 200
	Five of the following with consultation with CJ-Homeland Security advisor. <b>Two courses must be upper-division.</b>		15 6	Major	--- & CRJ 301 & CRJ 302 & CRJ 303
	PA 306	Principles of Emergency Management [CRJ 301]	PSY 409	Psychology of Disaster •	
	PA 320	Political and Policy Basis of Emergency Management •	GEOG 356	Introduction to Geographic Information Systems	
	PA 414	Principles and Practice of Hazards Mitigation •	PS 211	International Relations	
	CJ 423	Introduction to Terrorism [CRJ 302]	PS 230	State and Local Government	
	CJ 425	Intelligence Analysis and Security Management • [CRJ 303]	PS 342	The Development of American Foreign Policy (also HIST 342) •	
	One of the following: CJ 403 Internship CJ 499 Special Project		3	Major	---
	Additional Electives				
	Upper-Division Electives		12	Degree Requirements	---
	Electives		15	Degree Requirements	---
	Total additional credits needed at UIU to complete degree:		57		
	Total transferable credits from DMACC:		64-65		
	Total Earned Credits:		121-122		

## ~~ NOTES ~~

**LEGEND:**

- # Transfer grades lower than a C- will not be accepted.
- • Course has a prerequisite.
- @ 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.
- **Bolded** text indicates UIU recommendations.
- *Grayed out text* indicates courses fulfilled through transfer. Strikethrough indicates specific course if within grouping.
-  Filled, heavy outlined boxes in DMACC Course Sequence section indicates a group of courses that have an alternative option. This alternative is shown in the following box under “OR”.

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

*This program transfer guide is based on the August 2019 course-to-course articulation (UIU 2019-2020 catalog & DMACC 2019-2020 catalog). This guide reflects the 2020-2021 DMACC program as shown on DMACC’s website.*

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.

### DMACC Criminal Justice Option Table

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
CRJ 109	Theories of Interviewing	3	---	---	3	Free Elective
<b>CRJ 111</b>	<b>Police and Society</b>	<b>3</b>	<b>CJ 365</b>	<b>Introduction to Policing •</b>	<b>3</b>	<b>Major</b>
<b>CRJ 120</b>	<b>Introduction to Corrections</b>	<b>3</b>	<b>CJ 380</b>	<b>Introduction to Corrections •</b>	<b>3</b>	<b>Major</b>
CRJ 128	Victimology	3	CJ 337	Victimology •	3	Free Elective
CRJ 141	Criminal Investigation	3	CJ 362	Criminal Investigations •	3	Free Elective
CRJ 178	E-Crime Investigative Methods	3	---	---	3	Free Elective
CRJ 179	White Collar Crime	1	---	---	1	Free Elective
CRJ 196 AND CRJ 197	Crime Scene Investigation 1  Crime Scene Investigation 2	2  2	CJ 362	Criminal Investigations •@ <i>(Both CRJ 196 and CRJ 197 are required to transfer as CJ 362)</i>	2  2	Free Elective
CRJ 201	Juvenile Delinquency	3	CJ 321	Juvenile Delinquency •	3	Free Elective
CRJ 220	Community-Based Corrections	3	CJ 396	Community Corrections •	3	Free Elective
CRJ 222	Correctional Treatment Methods	3	---	---	3	Gen Ed Soc. Sci.
CRJ 245	Scientific Investigation	3	---	---	3	Free Elective
CRJ 292	Police Phys Fitness and Cond	1	---	---	1	Free Elective
CRJ 293	Crim Justice Report Writing	1	---	---	1	Free Elective
CRJ 297	Death & Injury Investigations	1	---	---	1	Free Elective
CRJ 298	Bloodstain Pattern Analysis	1	---	---	1	Free Elective
<b>CRJ 301</b>	<b>Intro to Homeland Security</b>	<b>3</b>	<b>PA 306</b>	<b>Principles of Emergency Management</b>	<b>3</b>	<b>Major</b>
<b>CRJ 302</b>	<b>Transportation &amp; Border Sec</b>	<b>3</b>	<b>CJ 423</b>	<b>Introduction to Terrorism •</b>	<b>3</b>	<b>Major</b>
<b>CRJ 303</b>	<b>Intel Analysis &amp; Sec Mgmt</b>	<b>3</b>	<b>CJ 425</b>	<b>Intelligence Analysis and Security Management •</b>	<b>3</b>	<b>Major</b>

### ***DMACC Criminal Justice Option Table (continued)***

<b>DMACC ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
CRJ 305	Introduction to Cyber Terrorism	3	---	---	3	Free Elective
CRJ 325	Intro to Emergency Management	3	---	---	3	Free Elective
CRJ 326	Emergency Planning	3	---	---	3	Free Elective
CRJ 327	Exercise Design & Evaluation	3	---	---	3	Free Elective
CRJ 328	Disaster Response & Recovery	3	---	---	3	Free Elective
CRJ 329	Mitigation	3	---	---	3	Free Elective
CRJ 333	CSI & Forensic Photography	2	---	---	2	Free Elective
CRJ 949	Special Topics	3	---	---	3	Free Elective
POL 129	Politics of Terrorism	3	---	---	3	Free Elective
<b>SOC 200</b>	<b>Minority Group Relations</b>	<b>3</b>	<b>SOC 240</b>	<b>Diversity in the United States</b>	<b>3</b>	<b>Major &amp; Gen Ed Cultures</b>
NET 120	Computer Hardware Basics OL	3	---	---	3	Free Elective
NET 179	Digital Forensic Analysis I	3	---	---	3	Free Elective
NET 180	Digital Forensic Analysis II	3	---	---	3	Free Elective
NET 373	Forensic Prac Cybersecurity	4	---	---	4	Free Elective
NET 932	Internship	3	---	---	3	Free Elective

### ***DMACC Electives Table***

<b>DMACC ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Communications</b>						
ADM 157	Business English	3	---	---	3	Free Elective
COM 703	Communication Skills	3	---	---	3	Free Elective
<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>
<b>ENG 106</b>	<b>Composition II</b>	<b>3</b>	<b>ENG 102</b>	<b>English Composition II</b>	<b>3</b>	<b>Gen Ed Comm./Wrtn</b>
ENG 108	Comp II: Technical Writing	3	---	---	3	Free Elective
<b>Social &amp; Behavioral Sciences/ Humanities</b>						
AGB 101	Agricultural Economics	3	---	---	3	Free Elective
ANT 105	Cultural Anthropology	3	ANTH 110	Intro to Cultural Anthropology	3	Gen Ed Cultures or Gen Ed Soc. Sci.
ART 101	Art Appreciation	3	ART 100	Introduction to Art	3	Gen Ed Arts/Humn.
ART 184	Principles of Photography	3	---	---	3	Gen Ed Arts/Humn.
ART 186	Principles Digital Photograph	3	GRAF 218	Digital Photography & Editing	3	Gen Ed Arts/Humn.
COM 146	Gender, Sexuality and Media	3	---	---	3	Gen Ed Soc. Sci.
COM 148	Diversity and the Media	3	---	---	3	Gen Ed Cultures
DRA 101	Introduction to Theatre	3	THE 110	Introduction to Theatre	3	Gen Ed Arts/Humn.
ECN 120	Principles of Macroeconomics	3	ECON 161	Principles of Macroeconomics *	3	Gen Ed Soc. Sci.
ECN 130	Principles of Microeconomics	3	ECON 160	Principles of Microeconomics	3	Gen Ed Soc. Sci.
FLA 141	Elementary Arabic I	4	---	---	4	Gen Ed Arts/Humn.
FLA 142	Elementary Arabic II	4	---	---	4	Gen Ed Arts/Humn.
FLA 241	Intermediate Arabic I	4	---	---	4	Gen Ed Arts/Humn.
FLA 242	Intermediate Arabic II	4	---	---	4	Gen Ed Arts/Humn.
FLC 141	Elementary Chinese I	4	---	---	4	Gen Ed Arts/Humn.

**DMACC Electives Table** *(continued)*

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Social &amp; Behavioral Sciences/ Humanities</b> <i>(continued)</i>						
FLC 142	Elementary Chinese II	4	---	---	4	Gen Ed Arts/Humn.
FLC 241	Intermediate Chinese I	4	---	---	4	Gen Ed Arts/Humn.
FLC 242	Intermediate Chinese II	4	---	---	4	Gen Ed Arts/Humn.
FLF 151	Elementary French I	5	---	---	5	Gen Ed Arts/Humn.
FLF 152	Elementary French II	5	---	---	5	Gen Ed Arts/Humn.
FLF 241	Intermediate French I	4	---	---	4	Gen Ed Arts/Humn.
FLF 242	Intermediate French II	4	---	---	4	Gen Ed Arts/Humn.
FLG 141	Elementary German I	4	---	---	4	Gen Ed Arts/Humn.
FLG 142	Elementary German II	4	---	---	4	Gen Ed Arts/Humn.
FLG 241	Intermediate German I	4	---	---	4	Gen Ed Arts/Humn.
FLG 242	Intermediate German II	4	---	---	4	Gen Ed Arts/Humn.
FLI 141	Elementary Italian I	4	---	---	4	Gen Ed Arts/Humn.
FLI 142	Elementary Italian II	4	---	---	4	Gen Ed Arts/Humn.
FLI 241	Intermediate Italian I	4	---	---	4	Gen Ed Arts/Humn.
FLI 242	Intermediate Italian II	4	---	---	4	Gen Ed Arts/Humn.
FLJ 141	Elementary Japanese I	4	---	---	4	Gen Ed Arts/Humn.
FLJ 142	Elementary Japanese II	4	---	---	4	Gen Ed Arts/Humn.
FLJ 241	Intermediate Japanese I	4	---	---	4	Gen Ed Arts/Humn.
FLJ 242	Intermediate Japanese II	4	---	---	4	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 181	Spanish for Heritage Spkrs I	4	---	---	4	Free Elective
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.
FLS 281	Spanish for Heritage Spkrs II	4	---	---	4	Free Elective
GEO 111	Intro to Geography	3	GEOG 200	World Regional Geography	3	Gen Ed Soc. Sci.
GEO 124	Reg Geog of the NonWest World	3	---	---	3	Gen Ed Soc. Sci.
GEO 125	Regional Geog of the Dev World	3	---	---	3	Gen Ed Soc. Sci.
HIS 112	West Civ: Ancient to Early Mod	4	---	---	4	Gen Ed Soc. Sci.
HIS 113	West Civ: Early Modern to Pres	4	---	---	4	Gen Ed Soc. Sci.
HIS 150	U.S. History to 1877	4	HIST 110	American History to 1877	4	Gen Ed Soc. Sci.
HIS 153	U.S. History since 1877	4	HIST 111	American History Since 1877	4	Gen Ed Soc. Sci.
HIS 257	African-American History	3	HIST 330	African American History	3	Gen Ed Soc. Sci.
HUM 116	Encounters in Humanities	3	---	---	3	Gen Ed Arts/Humn.
HUM 120 OR HUM 121	Introduction to Film America in the Movies	3 OR 3	COMM 290	The Movies <i>(also ENG 290)</i>	3	Gen Ed Arts/Humn.
JOU 110	Intro to Mass Media	3	COMM 102	Introduction to Mass Media	3	Free Elective
JOU 113	Gender, Sexuality and Media	3	---	---	3	Gen Ed Soc. Sci.
JOU 114	Diversity and the Media	3	---	---	3	Gen Ed Soc. Sci.
LIT 101	Intro to Literature	3	ENG 125	Introduction to Literature	3	Gen Ed Arts/Humn.
LIT 110	Amer Literature to Mid 1800s	3	ENG 209	American Literature I	3	Gen Ed Arts/Humn.
LIT 111	Amer Literature since Mid 1800	3	ENG 210	American Literature II	3	Gen Ed Arts/Humn.

**DMACC Electives Table (continued)**

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Social &amp; Behavioral Sciences/ Humanities (continued)</b>						
LIT 130	African-American Literature	3	ENG 265	African American Literature	3	Gen Ed Arts/Humn. or Gen Ed Cultures
LIT 142	Major British Writers	3	ENG 212	British Literature II	3	Gen Ed Arts/Humn.
LIT 150	World Literature I	3	---	---	3	Gen Ed Arts/Humn.
LIT 151	World Literature II	3	ENG 214	World Literature Survey	3	Gen Ed Arts/Humn.
LIT 166	Science Fiction	3	---	---	3	Gen Ed Arts/Humn.
LIT 185	Contemporary Literature	3	---	---	3	Gen Ed Arts/Humn.
LIT 188	Detective Fiction	3	---	---	3	Gen Ed Arts/Humn.
LIT 193	Humor in Literature	3	---	---	3	Gen Ed Arts/Humn.
LIT 209	Literature Film Adaptation	3	---	---	3	Gen Ed Arts/Humn.
MGT 145	Human Relations in Management	3	---	---	3	Free Elective
MUS 100	Music Appreciation	3	MUS 100	Introduction to Music	3	Gen Ed Arts/Humn.
MUS 102	Music Fundamentals	3	---	---	3	Free Elective
MUS 202	World Music	3	---	---	3	Gen Ed Arts/Humn.
MUS 205	Jazz History and Appreciation	3	MUS 200	American Jazz Styles	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 110	Introduction to Logic	3	---	---	3	Gen Ed Arts/Humn.
POL 111	American National Government	3	PS 100	U.S. Government	3	Gen Ed Soc. Sci.
POL 112	Amer State & Local Government	3	PS 230	State and Local Government	3	Gen Ed Soc. Sci.
POL 121	International Relations	3	PS 211	International Relations	3	Gen Ed Soc. Sci.
POL 125	Comparative Gov't & Politics	3	PS 212	Comparative Politics	3	Gen Ed Soc. Sci.
POL 171	Intro to Public Administration	3	---	---	3	Free Elective
PSY 102	Human and Work Relations	3	---	---	3	Gen Ed Soc. Sci.
PSY 111	Introduction to Psychology	3	PSY 190	General Psychology	3	Gen Ed Soc. Sci.
PSY 121	Developmental Psychology	3	EDU 142	Human Growth, Development and Guidance	3	Gen Ed Soc. Sci.
PSY 241	Abnormal Psychology	3	PSY 360	Abnormal Psychology *	3	Free Elective
PSY 251	Social Psychology	3	SOC 310	Social Psychology (also PSY 310) *	3	Free Elective
PSY 261	Human Sexuality	3	PSY 270	Human Sexuality	3	Gen Ed Soc. Sci.
REL 101	Survey of World Religions	3	REL 120	Intro to World Religions	3	Gen Ed Arts/Humn.
<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>
SOC 115	Social Problems	3	SOC 220	Social Problems	3	Gen Ed Soc. Sci.
SOC 120	Marriage & Family	3	SOC 361	Marriage and the Family *	3	Free Elective
<b>SOC 200</b>	<b>Minority Group Relations</b>	<b>3</b>	<b>SOC 240</b>	<b>Diversity in the United States</b>	<b>3</b>	<b>Gen Ed Cultures or Gen Ed Soc. Sci.</b>
AGB 101	Agricultural Economics	3	---	---	3	Free Elective
ANT 105	Cultural Anthropology	3	ANTH 110	Intro to Cultural Anthropology	3	Gen Ed Cultures or Gen Ed Soc. Sci.
ART 101	Art Appreciation	3	ART 100	Introduction to Art	3	Gen Ed Arts/Humn.
ART 184	Principles of Photography	3	---	---	3	Gen Ed Arts/Humn.
ART 186	Principles Digital Photograph	3	GRAF 218	Digital Photography & Editing	3	Gen Ed Arts/Humn.
<b>Math &amp; Sciences</b>						
ANT 202	Human Origins	3	---	---	3	Gen Ed Soc. Sci.



**DMACC Electives Table** (continued)

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Math &amp; Sciences</b> (continued)						
BIO 104	Introductory Biology w/lab	3	BIO 100	General Biological Science	3	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.
BIO 135	Introduction to Botany	4	BIO 231	General Botany •	4	Gen Ed Nat. Sci.
BIO 138	Field Ecology	3	---	---	3	Free Elective
BIO 156	Human Biology w/lab	3	---	---	3	Gen Ed Nat. Sci.
BIO 164	Essentials Anatomy/Physiology	5	BIO 268	Introduction to Human Anatomy and Physiology •	5	Gen Ed Nat. Sci.
BIO 168	Anatomy & Physiology I	4	BIO 270	Human Anatomy and Physiology I •	4	Gen Ed Nat. Sci.
BIO 173	Anatomy & Physiology II	4	BIO 275	Human Anatomy and Physiology II •	4	Free Elective
BIO 186	Microbiology	4	BIO 210	Microbiology •	4	Gen Ed Nat. Sci.
BIO 732	Health Science Microbiology	4	---	---	4	Gen Ed Nat. Sci.
BIO 733	Health Science Anatomy	3	BIO 268 <i>(Both BIO 733 and BIO 734 are required to transfer as BIO 268)</i>	Introduction to Human Anatomy and Physiology •@	3	Gen Ed Nat. Sci.
AND BIO 734	Health Science Physiology	AND 3			3	Gen Ed Nat. Sci.
BUS 112	Business Math	3	---	---	3	Free Elective
CHM 105	Survey of Chemistry	3	CHEM 140	Chemistry for Everyday Life	3	Gen Ed Nat. Sci.
CHM 122	Intro to General Chemistry	4	---	---	4	Gen Ed Nat. Sci.
CHM 132	Intro to Organic/Biochemistry	4	---	---	4	Gen Ed Nat. Sci.
CHM 165	General/ Inorg Chemistry I	4	CHEM 151	General Chemistry I	4	Gen Ed Nat. Sci.
CHM 175	General/ Inorg Chemistry II	4	CHEM 152	General Chemistry II •	4	Gen Ed Nat. Sci.
CHM 263	Organic Chemistry I	5	CHEM 251	Organic Chemistry I •	5	Free Elective
CHM 273	Organic Chemistry II	5	CHEM 252	Organic Chemistry II •	5	Free Elective
ELT 106	Basic Math for Electronics	3	---	---	3	Free Elective
ELT 108	Math-Electronics & Computers	4	---	---	4	Free Elective
ENV 115	Environmental Science	3	ES 161	Intro to Environmental Science	3	Gen Ed Nat. Sci.
ENV 116	Environmental Science Lab	1	ES 175	Earth Systems Laboratory •	1	Free Elective
ENV 145	Conservation Biology	4	---	---	4	Free Elective
MAT 110	Math for Liberal Arts	3	---	---	3	Free Elective
MAT 114	Elementary Educators Math I	3	EDU 253 <i>(Both MAT 114 and MAT 116 are required to transfer as EDU 253)</i>	Mathematics for Elementary and Middle School Teachers®	3	Free Elective
AND MAT 116	Elementary Educators Math II	AND 3			3	
MAT 121	College Algebra	4	MATH 107	College Algebra •	4	Gen Ed Mathematics
MAT 129	Precalculus	5	MATH 107	College Algebra •	5	Gen Ed Mathematics
MAT 130	Trigonometry	3	MATH 115	Trigonometry and Analytic Geometry •	3	Gen Ed Mathematics
MAT 141	Finite Math	4	---	---	4	Free Elective
<b>MAT 157</b>	<b>Statistics</b>	<b>4</b>	<b>MATH 220</b>	<b>Elementary Statistics •</b>	<b>4</b>	<b>Gen Ed Mathematics</b>
MAT 162	Prin. of Business Statistics	4	BA 256	Quantitative Analysis for Business I •	4	Free Elective
MAT 164	Calculus for Busn/Social Sci	4	MATH 109	Quantitative Methods •	4	Gen Ed Mathematics
MAT 211	Calculus I	5	MATH 120	Calculus I •	5	Gen Ed Mathematics
MAT 217	Calculus II	5	MATH 200	Calculus II •	5	Free Elective
MAT 219	Calculus III	4	MATH 215	Multivariable Calculus •	4	Free Elective
MAT 227	Diff Equations with Laplace	4	MATH 300	Differential Equations •	4	Free Elective
MAT 772	Applied Math	3	---	---	3	Free Elective

**DMACC Electives Table** *(continued)*

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Math &amp; Sciences</b> <i>(continued)</i>						
MAT 773	Applied Math II	3	---	---	3	Free Elective
PHS 152	Astronomy	4	PHY 109 & PHY 110	Intro to Astronomy Lab (1) & Intro to Astronomy (3)	4	Free Elective
PHS 166	Meteorology, Weather & Climate	4	---	---	4	Gen Ed Nat. Sci.
PHY 106	Survey of Physics	4	PHY 105	Conceptual Physics	4	Gen Ed Nat. Sci.
PHY 160	General Physics I	5	PHY 111	Introductory Physics I	5	Gen Ed Nat. Sci.
OR		OR			OR	
PHY 213	Classical Physics I	6	PHY 111	Introductory Physics I	6	Gen Ed Nat. Sci.
PHY 161	General Physics II	5	PHY 113	Introductory Physics II •	5	Gen Ed Nat. Sci.
OR		OR			OR	
PHY 223	Classical Physics II	6	PHY 113	Introductory Physics II •	6	Gen Ed Nat. Sci.
PHY 710	Technical Physics	3	---	---	3	Gen Ed Nat. Sci.
<b>Distributed</b> (Choose one course from Communications, Social & Behavior Sciences/Humanities, Mathematics or Sciences or courses below)						
SPC 101	Fund of Oral Communication	3	COMM 105	Public Speaking	3	Gen Ed Comm./Oral
SPC 122	Interpersonal Communication	3	COMM 200	Interpersonal Communication	3	Gen Ed Comm./Oral
ELT 368	DC & AC Fundamentals	3	---	---	3	Free Elective