

Program Transfer Guide

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

PARALEGAL

→ UIU Bachelor of Science (BS) in

CRIMINAL JUSTICE

FEBRUARY 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
ENG 105	Composition I	3	ENG 101	English Composition I *	3	Gen Ed Comm./Wrtn
PRL 102	Intro to Paralegal Studies	3	---	---	3	Free Elective
<i>Math & Sciences Electives</i>						
MAT 121 OR MAT 157 OR Select an elective from DMACC Electives Table	College Algebra Statistics (DMACC Suggested Elective)	4 OR 4 3	MATH 107 MATH 220 ---	College Algebra * Elementary Statistics * <i>See Option Table</i>	4 OR 4 OR 3	Gen Ed Math & Pre-req. Gen Ed Math & Pre-req. <i>See Option Table</i>
<i>Social & Behavioral Sciences/Humanities Elective</i>						
SOC 110 OR Select an elective from DMACC Electives Table	Intro to Sociology (DMACC Suggested Elective)	3 OR 3	SOC 110 ---	Principles of Sociology <i>See Option Table</i>	3 OR 3	Gen Ed Soc. Sci. & Pre-req. <i>See Option Table</i>
<i>Social & Behavioral Sciences/Humanities Elective</i>						
Select an elective from DMACC Electives Table		3	---	<i>See Option Table</i>	4	<i>See Option Table</i>
Semester 2						
PRL 103	Introduction to Law	3	---	---	3	Free Elective
PRL 104	Legal Tech and eDiscovery	3	---	---	3	Free Elective
PRL 112	Legal Research & Writing I	3	---	---	3	Free Elective
ENG 106	Composition II	3	ENG 102	English Composition II *	3	Gen Ed Comm./Wrtn
<i>Social & Behavioral Sciences/Humanities Elective</i>						
FLS 151 OR Select an elective from DMACC Electives Table	Elementary Spanish I	5 OR 4	SPN 101 ---	Beginning Spanish I <i>See Option Table</i>	5 OR 4	Gen Ed Arts/Humn. <i>See Option Table</i>
Semester 3						
PRL 113	Legal Research & Writing II	3	---	---	3	Free Elective
PRL 135	Civil Litigation and Pro	3	---	---	3	Free Elective
PRL 192	Criminal Law & Procedure (Elective)	3	CJ 237	Criminal Law & Procedure *	3	Major
<i>Social & Behavioral Sciences/Humanities Elective</i>						
FLS 152 OR Select an elective from DMACC Electives Table	Elementary Spanish II (Elective)	5 OR 4	SPN 102 ---	Beginning Spanish II <i>See Option Table</i>	5 OR 4	Gen Ed Arts/Humn. <i>See Option Table</i>
<i>Social & Behavioral Sciences/Humanities Elective</i>						
SOC 200 OR Select an elective from DMACC Electives Table	Minority Group Relations (Elective)	3 OR 3	SOC 240 ---	Diversity in the US <i>See Option Table</i>	3 OR 3	Gen Ed Cultures <i>See Option Table</i>

Years 1 & 2 at Des Moines Area Community College: (cont.)

DMACC Program Course Sequence			Course Transfers into UIU as			
Course ID	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
Semester 4						
SPC 101	Fund of Oral Communication	3	COMM 105	Public Speaking	3	Gen Ed Comm./Oral
Select course from DMACC Option Table		3	---	See Option Table	3	See Option Table
Select course from DMACC Option Table		3	---	See Option Table	3	See Option Table
Select course from DMACC Option Table		3	---	See Option Table	3	See Option Table
Semester 5						
PRL 280	Legal Internship & Ethics	4	---	---	4	Free Elective
Total occupational course credits earned:		64-67	Total course credits accepted:		64-67	
Total credits required for graduation:		64				
Total transferable credits#:		64-67				

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	FLS 151	
		any Gen Ed in Arts/Humanities	3	Gen Ed Arts/Humanities	FLS 152	
	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 101	
	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	CJ 224		
	any Gen Ed in Cultures	3	Gen Ed Cultures	SOC 200		
Prerequisites						
MATH 105	College Mathematics with Apps	3	Prereq. for Math 220 & Gen Ed Mathematics	---		
MATH 220	Elementary Statistics	3	Pre-req. for SOC 334	MAT 157		
SOC 110	Principles of Sociology	3	Pre-req. for CJ 333	SOC 110		
Major Courses						
CJ 224	Introduction to Criminal Justice	3	Major	---		
CJ 333	Criminology	3	Major	---		
CJ 365	Introduction to Policing	3	Major	---		
CJ 367	Ethics in Criminal Justice	3	Major	---		
CJ 380	Introduction to Corrections	3	Major	---		
CJ 388	Comparative Justice	3	Major	---		
SOC 334	Sociological Research Methods	3	Major	---		
One of the following:		3	Major	SOC 200		
SOC 220 Social Problems		SOC 240 Diversity in the United States [SOC 200]				
One of the following – Law Enforcement:		3	Major	PRL 192		
CJ 237 Criminal Law [PRL 192]						
CJ 362 Criminal Investigations [CRJ 141]						
CJ 291 Community Policing						

Years 3 & 4 at Upper Iowa University: (cont.)

UIU Program Course List	# Cr	Requirement Fulfilled	Transferred In
Major Courses (cont.)			
One of the following – Law Adjudication: CJ 315 Juvenile Justice CJ 353 Sociology of Law • CJ 398 Justice Administration	3	Major	---
One of the following – Corrections: CJ 396 Community Corrections CJ 426 Institutional Corrections CJ 428 Offender Treatment	3	Major	---
One of the following: CJ 403 Internship CJ 499 Special Project	3	Major	---
Criminal Justice or Sociology Upper-Division Electives	6	Major	---
Electives	9-6	Degree Requirements	---
Total additional credits needed at UIU to complete degree:	57-54		
Total transferable credits from DMACC:	64-67		
Total Earned Credits:	121		

~~ NOTES ~~

This program transfer guide uses the bolded items (UIU recommendations) for estimated degree requirements. Be sure to work with an advisor if different courses are taken at DMACC to ensure all degree requirements are fulfilled.

LEGEND:

- #Transfer grades lower than a C- will not be accepted.
- • 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 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).

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.

Appendix

DMACC Option Table

DMACC ELECTIVES							Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled				
PRL 125	Evidence: Theory & Practice	3	---	---	3	Free Elective				
PRL 138	Bankruptcy Law	3	---	---	3	Free Elective				
PRL 139	Torts and Personal Injury	3	---	---	3	Free Elective				
PRL 143	Business Organization Law	3	---	---	3	Free Elective				
PRL 151	Real Estate Law	3	---	---	3	Free Elective				
PRL 155	Insurance Law and Reg Compl	3	---	---	3	Free Elective				
PRL 156	Intellectual Property Law	3	---	---	3	Free Elective				
PRL 161	Family Law	3	---	---	3	Free Elective				
PRL 167	Probate Procedure	3	---	---	3	Free Elective				
PRL 171	Administrative Practice	3	---	---	3	Free Elective				
PRL 174	Contracts	3	---	---	3	Free Elective				
PRL 183	Employment Law	3	---	---	3	Free Elective				
PRL 184	Alternative Dispute Res	3	---	---	3	Free Elective				
PRL 188	Immigration Law	3	---	---	3	Free Elective				
PRL 192	Criminal Law and Procedure	3	CJ 237	Criminal Law & Procedure *	3	Major				
PRL 195	Environmental Law	2	---	---	2	Free Elective				
PRL 220	Special Legal Topics	2	---	---	2	Free Elective				
PRL 222	Construction Law and Bonds	2	---	---	2	Free Elective				
PRL 223	Elder and Health Law	2	---	---	2	Free Elective				

DMACC Electives Table

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
Social & Behavioral Sciences/ Humanities						
AGB 101	Agricultural Economics	3	---	---	3	Free Elective
ANT 100	Introduction to Anthropology	3	---	---	3	Gen Ed Cultures
ANT 105	Cultural Anthropology	3	ANTH 110	Introduction 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.

DMACC Electives Table (cont.)

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
Social & Behavioral Sciences/ Humanities (cont.)						
FLA 242	Intermediate Arabic II	4	---	---	4	Gen Ed Arts/Humn.
FLC 141	Elementary Chinese I	4	---	---	4	Gen Ed Arts/Humn.
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 Cultures
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	Introduction to Film	3	COMM 290	The Movies (also ENG 290)	3	Gen Ed Arts/Humn.
HUM 121	America in the Movies	3	ENG 290	The Movies (also COMM 290)	3	Gen Ed Arts/Humn.
JOU 110	Intro to Mass Media	3	---	---	3	Gen Ed Soc. Sci.
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.

DMACC Electives Table (cont.)

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
Social & Behavioral Sciences/ Humanities (cont.)						
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.
LIT 130	African-American Literature	3	ENG 265	African American Literature	3	Free Elective
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 190	Women Writers	3	---	---	3	Free Elective
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	EDU 309	Teaching Elementary Movement and Wellness •	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 [DMACC suggested]	3	PHIL 150	Introduction to Philosophy	3	Gen Ed Arts/Humn.
PHI 105	Introduction to Ethics [DMACC suggested]	3	PHIL 202	Contemporary Ethics	3	Gen Ed Arts/Humn.
PHI 110	Introduction to Logic [DMACC suggested]	3	---	---	3	Gen Ed Arts/Humn.
POL 111	American National Government [DMACC suggested]	3	PS 100	U.S. Government	3	Gen Ed Soc. Sci.
POL 112	Amer State & Local Government [DMACC suggested]	3	PS 230	State and Local Government	3	Gen Ed Soc. Sci.
POL 121	International Relations [DMACC suggested]	3	PS 211	International Relations	3	Gen Ed Soc. Sci.
POL 125	Comparative Gov't & Politics [DMACC suggested]	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 [DMACC suggested]	3	---	---	3	Gen Ed Soc. Sci.
PSY 111	Introduction to Psychology [DMACC suggested]	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 [DMACC suggested]	3	PSY 360	Abnormal Psychology •	3	Free Elective
PSY 251	Social Psychology	3	PSY 310	Social Psychology (also SOC 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	Introduction to World Religions	3	Gen Ed Arts/Humn.

DMACC Electives Table (cont.)

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
Social & Behavioral Sciences/ Humanities (cont.)						
SOC 110	Introduction to Sociology [DMACC suggested]	3	SOC 110	Principles of Sociology	3	Gen Ed Soc. Sci. & Pre-req.
SOC 115	Social Problems	3	SOC 220	Social Problems	3	Gen Ed Soc. Sci. & Major
SOC 120	Marriage & Family [DMACC suggested]	3	SOC 361	Marriage and the Family •	3	Free Elective
SOC 200	Minority Group Relations	3	SOC 240	Diversity in the United States	3	Gen Ed Cultures
Math & Sciences						
ANT 202	Human Origins	3	---	---	3	Gen Ed Soc. Sci.
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	Introduction to Human Anatomy and Physiology •	3	Gen Ed Nat. Sci.
BIO 734	Health Science Physiology	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	Mathematics for Elementary and Middle School Teachers	3	Free Elective
MAT 116	Elementary Educators Math II	3	---	---	3	Free Elective
MAT 121	College Algebra	4	MATH 107	College Algebra •	4	Gen Ed Mathematics
MAT 129	Precalculus	5	---	---	5	Free Elective
MAT 130	Trigonometry	3	MATH 115	Trigonometry and Analytic Geometry •	3	Gen Ed Mathematics
MAT 141	Finite Math	4	---	---	4	Free Elective

DMACC Electives Table (cont.)

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
Math & Sciences (cont.)						
MAT 157	Statistics [DMACC suggested]	4	MATH 220	Elementary Statistics •	4	Gen Ed Mathematics & Pre-req.
MAT 162	Prin. of Business Statistics	4	---	---	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
MAT 773	Applied Math II	3	---	---	3	Free Elective
PHS 152	Astronomy	4	PHY 110 & PHY 109	Intro to Astronomy & Intro to Astronomy Laboratory	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.
PHY 161	General Physics II	5	PHY 113	Introductory Physics II •	5	Gen Ed Nat. Sci.
PHY 213	Classical Physics I	6	PHY 111	Introductory Physics I	6	Gen Ed Nat. Sci.
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.