

## Program Transfer Guide

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

**AGING SERVICES MANAGEMENT, ADULT SERVICES**

**→ UIU Bachelor of Science (BS) in**

**HEALTH SERVICES ADMINISTRATION – GENERAL EMPHASIS**

**FEBRUARY 2020**



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
<b>Semester 1</b>						
ASM 278	Management in Senior Care	3	BA 210	Management Principles	3	Business Core
SDV 108	The College Experience	1	---	---	1	Free Elective
Aging Services Elective		2	---	<i>See Electives Table</i>	2	<i>See Electives Table</i>
ACC 111 OR ACC 131	Intro to Accounting <b>Principles of Accounting I</b>	3 OR 4	---	---	3 OR 4	Free Elective <b>Business Core</b>
ENG 105 OR Communications Elective	<b>Composition I (Elective)</b>	3 OR 3	ENG 101	<b>English Composition I</b>	3 OR 3	<b>Gen Ed Comm./Wrtn</b> <i>See Electives Table</i>
MAT 157 OR Math or Science Elective	<b>Statistics (Elective)</b>	4 OR 3	MATH 220	<b>Elementary Statistics</b>	4 OR 3	Gen Ed Mathematics <i>See Electives Table</i>
<b>Semester 2</b>						
ASM 279	HealthCare Human Resources	3	BA 361	Human Resources Management •	3	Business Core
ASM 282	Aging Services	2	---	---	2	Free Elective
BIO 151 OR Aging Services Elective	<b>Nutrition (Elective)</b>	3 OR 3	BIO 165	<b>Human Biology &amp; Nutrition</b>	3 OR 3	<b>Gen Ed Nat. Sci.</b> <i>See Electives Table</i>
<b>Note: If planning to work in a residential care facility, DMACC recommends that you take SOC 110 and PSY 111 to fulfill Social &amp; Behavioral Sciences/ Humanities Elective requirement.</b>						
SOC 110 OR Social & Behavior Sciences Elective	<b>Intro to Sociology (Elective)</b>	3 OR 3	SOC 110	<b>Principles of Sociology</b>	3 OR 3	<b>Gen Ed Soc. Sci.</b> <i>See Electives Table</i>
PSY 111 OR Social & Behavior Sciences Elective	<b>Intro to Psychology (Elective)</b>	3 OR 3	PSY 190	<b>General Psychology</b>	3 OR 3	<b>Gen Ed Soc. Sci.</b> <i>See Electives Table</i>
<b>Semester 3</b>						
ASM 283	Aging Policies & Gov Programs	2	---	---	2	Free Elective
SOC 225	Social Gerontology/Appl	4	PSY 397	Social Gerontology •	4	Free Elective
Aging Services Elective		2	---	<i>See Electives Table</i>	2	<i>See Electives Table</i>
<b>Semester 4</b>						
ASM 274	Law & Ethics in Healthcare	3	HSA 360	Health Care Law and Ethics •	3	Major
ASM 280	HealthCare Delivery Systems	2	---	---	2	Free Elective
SOC 226	Issues in Aging	2	---	---	2	Free Elective
SPC 101 OR Distributed Electives	<b>Fund of Oral Comm (Elective)</b>	3 OR 3	COMM 105	<b>Public Speaking</b>	3 OR 3	<b>Gen Ed Comm./Oral</b> <i>See Electives Table</i>
Distributed Electives		4	---	<i>See Electives Table</i>	4	<i>See Electives 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
<b>Semester 5</b>						
ASM 256	Agency Experience	2	---	---	2	Free Elective
ASM 239	Info Systems in Healthcare	2	---	---	2	Free Elective
ASM 238	Financial Management in AS	3	HSA 362	Financial Management of Health Services Orgs •	3	Major
Distributed Electives <i>(UIU recommends an elective with a light purple background to fulfill cultures)</i>		3	---	See Electives Table	3	Gen Ed Cultures
Distributed Electives <i>(UIU recommends an elective with a light orange background to fulfill Gen Ed Arts/Humn)</i>		3	---	See Electives Table	3	Gen Ed Arts/Humn.
Total occupational course credits earned:		64-65	Total course credits accepted:		64-65	
Total credits required for graduation:		64				
Total transferable credits#:		64-65				

*UIU recommendations are **bolded**.*
**Years 3 & 4 at Upper Iowa University:**

Courses to be taken at Upper Iowa University	UIU Program Course List		# Cr	Requirement Fulfilled	Transferred In	
	<b>General Education Courses</b>					
		<i>any Gen Ed in Arts/Humanities</i>	3	<i>Gen Ed Arts/Humanities</i>	<i>Fulfilled with Elective</i>	
		any Gen Ed in Arts/Humanities	3	<b>Gen Ed Arts/Humanities</b>	---	
	ENG 101	<i>English Composition I</i>	3	<i>Gen Ed Comm./Wrtn</i>	<i>ENG 105</i>	
	ENG 102	English Composition II	3	<b>Gen Ed Comm./Wrtn</b>	---	
	COMM 105 OR COMM 200	<i>Public Speaking</i> <i>Interpersonal Communication</i>	3	<i>Gen Ed Comm./Oral</i>	<i>SPC 101</i>	
	CS 102	Intro Computer Applications & Technology	3	<b>Gen Ed Computer Skills</b>	---	
	MATH 105 or higher	<i>College Algebra w/ Applications</i>	3	<i>Gen Ed Mathematics</i>	<i>MATH 220</i>	
		<i>any Gen Ed in Natural Science</i>	3	<i>Gen Ed Natural Science</i>	<i>BIO 151</i>	
	any Gen Ed in Natural Science	3	<b>Gen Ed Natural Science</b>	---		
	<i>any Gen Ed in Social Science</i>	3	<i>Gen Ed Social Science</i>	<i>SOC 110</i>		
	<i>any Gen Ed in Social Science</i>	3	<i>Gen Ed Social Science</i>	<i>PSY 111</i>		
	<i>any Gen Ed in Cultures</i>	3	<i>Gen Ed Cultures</i>	<i>ANT100, ANT105, COM148, GEO124, LIT130, or SOC200</i>		
<b>Business Core Courses</b>						
ECON 160	Principles of Microeconomics	3	<b>Business Core</b>	---		
ACCT 201	<i>Accounting Principles I</i>	3	<i>Business Core</i>	<i>ACC 131</i>		
BA 210	<i>Management Principles</i>	3	<i>Business Core</i>	<i>ASM 278</i>		
BA 361	<i>Human Resources Management</i>	3	<i>Business Core</i>	<i>ASM 279</i>		
BA 460	Strategic Management	3	<b>Business Core</b>	---		



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

Major Courses				
HSA 205	Intro to the American Health System	3	Major	---
HSA 241	Healthcare Informatics	3	Major	---
HSA 344	Population Health Management	3	Major	---
<i>HSA 360</i>	<i>Health Care Law &amp; Ethics</i>	<del>3</del>	<i>Major</i>	<i>ASM 274</i>
<i>HSA 362</i>	<i>Financial Management of Health Care Organizations</i>	<del>3</del>	<i>Major</i>	<i>ASM 238</i>
HSA 440	Health Services Administration	3	Major	---
HSA 460	Health Services Policy & Regulation	3	Major	---
HSA 490	Health Program Planning & Evaluation	3	Major	---
HSA 306	Long Term Care Administration	3	Emphasis	---
HSA 312	Community & Public Health	3	Emphasis	---
ECON 455	Economics of Health and Health Care	3	Emphasis	---
Electives		12	Degree Requirements	---

Total additional credits needed at UIU to complete degree:	<b>57</b>
Total transferable credits from DMACC:	64-65
<b>Total Earned Credits:</b>	<b>121-122</b>

**~~ NOTES ~~**

**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 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.

### ***DMACC Elective Table***

<b>DMACC ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Aging Services Electives</b>						
ASM 291	Activity Coordinator	4	---	---	4	Free Elective
<b>BIO 151</b>	<b>Nutrition</b>	<b>3</b>	<b>BIO 165</b>	<b>Human Biology &amp; Nutrition</b>	<b>3</b>	<b>Gen Ed Nat. Sci.</b>
DTM 355	Food Production Management	1	---	---	1	Free Elective
DTM 356	Food Service Management	2	---	---	2	Free Elective
HSV 130	Interviewing/Interper Relation	3	COMM 220	Principles of Interviewing	3	Free Elective
MAP 129	Medical Terminology	1	---	---	1	Free Elective
MKT 110	Principles of Marketing	3	MKT 208	Marketing Principles	3	Free Elective
PEH 102	Health	3	---	---	3	Free Elective
<b>Communications Electives</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>
ENG 106	Composition II	3	ENG 102	English Composition II *	3	Gen Ed Comm./Wrtn
ENG 108	Comp II: Technical Writing	3	---	---	3	Free Elective
<b>Social &amp; Behavioral Sciences/ Humanities Electives</b>						
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 and 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.
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.

**DMACC Elective Table (cont.)**

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Social &amp; Behavioral Sciences/ Humanities Electives (cont.)</b>						
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.
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	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 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.

**DMACC Elective Table (cont.)**

DMACC ELECTIVES			Transfers as UIU Course			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Social &amp; Behavioral Sciences/ Humanities Electives (cont.)</b>						
MUS 102	Music Fundamentals	3	---	---	3	Gen Ed Arts/Humn.
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	Intro 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 & 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	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	Intro to World Religions	3	Gen Ed Arts/Humn.
SOC 110	Introduction to Sociology	3	SOC 110	Principles of Sociology	3	Gen Ed Soc. Sci.
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
SOC 200	Minority Group Relations	3	SOC 240	Diversity in the US	3	Gen Ed Cultures or Gen Ed Soc. Sci.
<b>Math or Science Electives</b>						
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.

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<b>DMACC Elective Table (cont.)</b>						
<b>DMACC ELECTIVES</b>			<b>Transfers as UIU Course</b>			
Course Id	Course Name	# Cr	Course Id	Course Name	# Cr	Requirement Fulfilled
<b>Math or Science Electives (cont.)</b>						
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	Introduction 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	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
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.
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.
<b>Distributed Electives – Choose from Communications Electives, Social &amp; Behavioral/ Humanities, Math or Science Electives or from the electives below.</b>						
<b>SPC 101</b>	<b>Fund of Oral Communication</b>	<b>3</b>	<b>COMM 105</b>	<b>Public Speaking</b>	<b>3</b>	<b>Gen Ed Comm./Oral</b>
SPC 122	Interpersonal Communication	3	COMM 200	Interpersonal Communication	3	Gen Ed Comm./Oral
ELT 368	DC & AC Fundamentals	3	---	---	3	Free Elective