

Energy Management Bachelor of Applied Science

Degree Plan 2019-2020

All courses indicated are required

				Complete
Arts & F	lumanitie	s (6)		
1.			3	
2.			3	
Busines	s, Math, S	cience & Technology (18)		
ACCT	200	Elements of Accounting I	3	
ACCT	201	Elements of Accounting II	3	
MATH	210	Elementary Statistics	3	
BADM	202	Principles of Management	3	
BADM	281	Organizational Behavior	3	
BADM	282	Human Resource Management	3	
(Select oi 1.	ne Science	or Technology course, lab not required)		
1.			3	
	nications	(9)	3	
Commu	<i>nications</i> 110	(9) College Composition I (required)	3 3	
<i>Commu</i> ENGL			-	
Commu ENGL ENGL	110 125	College Composition I (required)	3	
<u>Commu</u> ENGL ENGL COMM	110 125 110	College Composition I (required) Introduction to Professional Writing	3	
<u>Commu</u> ENGL ENGL COMM	110 125 110	College Composition I (required) Introduction to Professional Writing Fundamentals of Public Speaking	3	
Commu ENGL ENGL COMM Social a	110 125 110 nd Behav	College Composition I (required) Introduction to Professional Writing Fundamentals of Public Speaking iorial Science (6)	3 3 3	_

Technical Foundation Courses Total Credits 48

*Unofficial advising worksheet used for planning purposes only Not a military approved official education plan - contact advisor if one is needed

Technical Foundation credits	48
General Education credits	42
Energy Management credits	30
Total Degree credits	120

Energ	y Manage		Completed	
ENRG	302	Ethical Issues in the Energy Industry	3	
ENRG	310	Energy Production and the Environment	3	
ENRG	315	Energy Management Communications	3	
ENRG	320	Fundamentals of Workforce Safety	3	
ENRG	330	Government Regulations in the Energy Industry	3	
ENRG	404	New & Emerging Energy Technologies	3	
ENRG	412	Energy Economics and Finance	3	
ENRG	420	Energy Markets and Structures	3	
ENRG	430	Project Management in the Energy Industry	3	
ENRG	435	Managing Energy Facilities	3	_
		Total Credits	30	_

Prerequisites - General Education						
Complete the following general education courses prior to enrolling in the listed ENRG courses						
ENGL 110	All ENRG Courses					
ENGL 125	ENRG 315					
BADM 202	ENRG 315					
ACCT 200	ENRG 412 - ENRG 420 - ENRG 430					
ACCT 201 (Co-Req)	ENRG 412 - ENRG 420					
ECON 201	ENRG 412 - ENRG 420					
ECON 202	ENRG 412 - ENRG 420					
MATH 210	ENRG 430					

Prerequisites - ENRG Courses

All 300 level ENRG courses must be completed prior to enrolling in 400 level ENRG courses.

ENRG 435 should be completed as your final ENRG course.

Bachelor of Applied Science (BAS) 2019-2020 Catalog

Legend

(*) Course not approved as GERTA

(F) Course designated as Fine Arts

General Education Requirements¹ Category I: COMMUNICATIONS Communications I (3 Credits) - ENGL 110 Gr. Cr. 3 ENGL 110 College Composition I Communications II (3 Credits) - ENGL 120 or ENGL 125 (Select one) Gr. Cr. Gr. Cr. 3 ENGL 120 College Composition II 3 ENGL 125 Introduction to Professional Writing Communications III

(3 credits) - COMM 110 Gr. Cr. 3 COMM 110 Fundamentals of Public Speaking

Category II: ARTS & HUMANITIES

1	e than 3 credits of Fine Arts may be used				
Cr.		Gr. Cr.		Gr. Cr.	
3 ART 110	Introduction to the Visual Art	3 ENGL 262	American Literature II	1 F MUSC 136	Brass Ensemble II
3 F ART 122	Two-Dimensional Design	3 ENGL 278	Alternative Literature	1 F MUSC 137	Jazz Ensemble
3 F ART 124	Three-Dimensional Design	3 HIST 101	Western Civilization I	1 F/* MUSC 138	Percussion Ensemble
3 F ART 130	Drawing I	3 HIST 102	Western Civilization II	1 F MUSC 145	Applied Music
3 ART 210	Art History I	3 HIST 103	United States to 1877	1 F MUSC 146	Applied Music - Major
3 ART 211	Art History II	3 HIST 104	United States Since 1877	3 PHIL 101	Introduction to Philosophy
3 F ART 220	Painting I	3 HIST 211	World Civilizations to 1500	3 PHIL 210	Ethics
3 F ART 221	Painting II	3 HIST 212	World Civilizations since 1500	3 PHIL 220	Introduction to Logic
3 F ART 230	Drawing II	3 HIST 220	North Dakota History	3 PHIL 250	Philosophy in Cinema
3 F ART 250	Ceramics I	3 HIST 222	History of the Western Frontier	3 PHIL 253	Environmental Ethics
3 F ART 251	Ceramics II	3 HIST 224	American Studies I	3 RELS 120	Religion in America
2 F ART 265	Sculpture I	3 HIST 225	American Studies II	3 RELS 201	Life and Letters of Paul
2 F ART 266	Sculpture II	1-3 * HIST 243	Historical Investigations	3 RELS 203	World Religions
3 * CIS 280	Cyber Ethics	3 HUMS 210	Integrated Cultural Studies	3 RELS 220	Old Testament
3 COMM	211 Oral Interpretation	1-4 HUMS 211	Integrated Cultural Excursion	3 RELS 230	New Testament
3 ENGL 21	.1 Introduction to Creative Writing	2 HUMS 212	Integrated Cultural Enrichment	4 SPAN 101	First Year Spanish I
3 ENGL 22	1 Introduction to Drama	3 MUSC 100	Music Appreciation	4 SPAN 102	First Year Spanish II
3 ENGL 22	2 Introduction to Poetry	1 F MUSC 117	Concert Choir	4 SPAN 201	Second Year Spanish I
3 ENGL 23	3 Fantasy & Science Fiction	1 F MUSC 118	Chamber Choir	4 SPAN 202	Second Year Spanish II
3 ENGL 23	6 Women & Literature	1 F MUSC 121	String Ensemble	3 THEA 110	Introduction to Theatre Arts
3 ENGL 23	8 Children's Literature	1 F MUSC 132	Wind Ensemble	3 F THEA 161	Acting I
3 ENGL 25	1 British Literature I	1 F MUSC 133	Woodwind Ensemble I	3 THEA 180	Dramatic Literature and Style I
3 ENGL 25	2 British Literature II	1 F MUSC 134	Woodwind Ensemble II	3 THEA 181	Dramatic Literature and Style II

eneral Educa	ation Requirements Con	unucu			
	& BEHAVIORAL SCIENCES				
redits)					
Cr.		Gr. Cr.		Gr. Cr.	
3 ANTH 170	Physical Anthropology and Archeology	3 POLS 115	American Government	3 SOC	110 Introduction to Sociology
	Introduction to Cultural Anthropology	3 POLS 116	State and Local Government	3 SOC	115 Social Problems
- 3 CJ 201	Introduction to Criminal Justice	3 POLS 220	International Politics	3 SOC	
3 COMM 112	Understanding Media and Social Change	3 PSYC 100	Human Relations In Organizations	3 SOC	221 Minority Relations
3 COMM 212	Interpersonal Communications	3 PSYC 111	Introduction to Psychology	3 SOC	235 Cultural Diversity
3 ECON 105	Elements of Economics	3 * PSYC 211	Introduction to Behavior Modification	3 SOC 3	251 Gerontology
3 ECON 201	Principles of Microeconomics	3 PSYC 250	Developmental Psychology	3 SOC	252 Criminology
3 ECON 202	Principles of Macroeconomics	3 * PSYC 261	Psychology of Adjustment	3 SOC	275 American Indian Studies
3 GEOG 161	World Regional Geography	3 PSYC 270	Abnormal Psychology	3 SWK	256 Development of Social Welfare
redits) Cr.		Gr. Cr.		Gr. Cr.	
,		Cr. Cr.		C- C-	
,	Elements of Accounting I	Gr. Cr. 4/1 CHEM 115	Introductory Chemistry/Lab	Gr. Cr. 3 * MAT	H 208 Discrete Mathematics
Cr.			Introductory Chemistry/Lab Intro to Organic & Biochemistry/Lab	3 * MAT	H 208 Discrete Mathematics H 210 Elementary Statistics
Cr. 3 * ACCT 200	Elements of Accounting I	4/1 CHEM 115		3 * MAT	H 210 Elementary Statistics
Cr. 3 * ACCT 200 3 * ACCT 201	Elements of Accounting I Elements of Accounting II	4/1 CHEM 115 4/1 CHEM 116	Intro to Organic & Biochemistry/Lab	3 * MAT 3 MAT	H 210 Elementary Statistics H 277 Math for Elementary Teachers I
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry II/Lab Principles of Information Security	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3 * NUT	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 3 240 Principles of Nutrition
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * 3 * CIS 147 4 * CIS 164	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry II/Lab Principles of Information Security Networking Fundamentals I	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 NICF 3/1 PHYS	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/Lab240Principles of Nutrition100Concepts of Physics/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry II/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 3/1 PHYS	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/Lab240Principles of Nutrition100Concepts of Physics/Lab110Introduction to Astronomy/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry II/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 3/1 PHYS 3/1 PHYS 3/1 PHYS 3/1 PHYS	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/LabR 240Principles of Nutrition100Concepts of Physics/Lab110Introduction to Astronomy/Lab211College Physics I/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry II/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 PHYS	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/LabR 240Principles of Nutrition100Concepts of Physics/Lab110Introduction to Astronomy/Lab211College Physics I/Lab212College Physics II/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 102 3/1 BIOL 111 3/1 BIOL 115	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 147 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science II	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 PHYS	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/Lab240Principles of Nutrition100Concepts of Physics/Lab110Introduction to Astronomy/Lab211College Physics I/Lab212College Physics I/Lab251University Physics I/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 124	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOG 121	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science II Physical Geography/Lab	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 4/1 PHYS 4/1 PHYS	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/Lab240Principles of Nutrition100Concepts of Physics/Lab110Introduction to Astronomy/Lab211College Physics I/Lab212College Physics I/Lab251University Physics I/Lab252University Physics II/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 124 3/1 BIOL 125	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 160 4 CSCI 161 3/1 GEOG 121 3/1 GEOL 102	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science II Physical Geography/Lab Historical Geology/Lab	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 2/1 PLSC	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/Lab240Principles of Nutrition100Concepts of Physics/Lab110Introduction to Astronomy/Lab211College Physics I/Lab212College Physics II/Lab251University Physics I/Lab252University Physics I/Lab100World Food Crops/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 124 3/1 BIOL 125 3/1 BIOL 126	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab Human Biology/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOG 121 3/1 GEOL 102 3/1 GEOL 105	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science I Physical Geography/Lab Historical Geology/Lab	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 4/1 PHYS 4/1 PHYS	H 210Elementary StatisticsH 277Math for Elementary Teachers I202Introductory Microbiology/Lab240Principles of Nutrition100Concepts of Physics/Lab110Introduction to Astronomy/Lab211College Physics I/Lab212College Physics I/Lab251University Physics I/Lab252University Physics I/Lab110World Food Crops/Lab110Physical Science I/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 124 3/1 BIOL 125 3/1 BIOL 126	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOG 121 3/1 GEOL 102 3/1 GEOL 105	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science II Physical Geography/Lab Historical Geology/Lab	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 2/1 PLSC	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 240 Principles of Nutrition 100 Concepts of Physics/Lab 110 Introduction to Astronomy/Lab 211 College Physics I/Lab 251 University Physics I/Lab 252 University Physics I/Lab 110 World Food Crops/Lab 110 Physical Science I/Lab (Biology & Chemistry) College
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 126 3/1 BIOL 150	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab Human Biology/Lab General Biology I/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOG 121 3/1 GEOL 102 3/1 GEOL 105 3 GIS 105	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science I Physical Geography/Lab Historical Geology/Lab Physical Geology/Lab Fundamentals of GIS	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 PHYS 3/1 SCNO	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 240 Principles of Nutrition 100 Concepts of Physics/Lab 110 Introduction to Astronomy/Lab 211 College Physics I/Lab 251 University Physics I/Lab 252 University Physics II/Lab 110 World Food Crops/Lab 110 Physical Science I/Lab (Biology & Chemistry)
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 115 3 BIOL 124 3/1 BIOL 125 3/1 BIOL 126 3/1 BIOL 150 3/1 BIOL 151	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab Human Biology/Lab General Biology I/Lab General Biology I/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 101 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOL 102 3/1 GEOL 102 3/1 GEOL 105 3 GIS 105 3 * GIS 107	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science I Physical Geography/Lab Historical Geology/Lab Physical Geology/Lab Fundamentals of GIS GIS Applications	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 PHYS 3/1 SCNO	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 240 Principles of Nutrition 100 Concepts of Physics/Lab 110 Introduction to Astronomy/Lab 211 College Physics I/Lab 212 College Physics I/Lab 251 University Physics I/Lab 252 University Physics I/Lab 210 World Food Crops/Lab 210 Biology & Chemistry) 210 Physical Science I/Lab (Biology & Chemistry) Chapter Science I/Lab 210 Physical Science I/Lab
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 102 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 125 3/1 BIOL 150 3/1 BIOL 151 3/1 BIOL 170	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab Human Biology/Lab General Biology I/Lab General Biology I/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 121 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOG 121 3/1 GEOL 102 3/1 GEOL 105 3 GIS 105 3 * GIS 107 4 MATH 103	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science I Physical Geography/Lab Historical Geology/Lab Physical Geology/Lab Fundamentals of GIS GIS Applications College Algebra	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 3/1 SCNO 3/1 SCNO	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 240 Principles of Nutrition 100 Concepts of Physics/Lab 110 Introduction to Astronomy/Lab 211 College Physics I/Lab 251 University Physics I/Lab 252 University Physics I/Lab 110 World Food Crops/Lab 110 World Food Crops/Lab 110 Physical Science I/Lab (Biology & Chemistry) 102 Physical Science I/Lab (Physics & Geology)
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 126 3/1 BIOL 125 3/1 BIOL 150 3/1 BIOL 151 3/1 BIOL 157 3/1 BIOL 170 3/1 BIOL 220	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab General Biology I/Lab General Biology I/Lab General Zoology/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 * CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOG 121 3/1 GEOL 102 3 GIS 105 3 * GIS 107 4 MATH 103 3 MATH 104	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science I Computer Science II Physical Geography/Lab Historical Geology/Lab Physical Geology/Lab Fundamentals of GIS GIS Applications College Algebra Finite Math	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 3/1 SCNO 3/1 SCNO	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 240 Principles of Nutrition 100 Concepts of Physics/Lab 110 Introduction to Astronomy/Lab 211 College Physics I/Lab 212 College Physics I/Lab 251 University Physics I/Lab 252 University Physics I/Lab 110 World Food Crops/Lab 110 Physical Science I/Lab (Biology & Chemistry) 102 Physical Science II/Lab (Physics & Geology) 103 Physical Science II/Lab (Astronomy & Meteorology)
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 124 3/1 BIOL 125 3/1 BIOL 150 3/1 BIOL 150 3/1 BIOL 150 3/1 BIOL 170 3/1 BIOL 220 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab General Biology I/Lab General Biology I/Lab General Zoology/Lab Anatomy & Physiology I/Lab Anatomy & Physiology I/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 3 CIS 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOG 121 3/1 GEOL 102 3/1 GEOL 105 3 GIS 105 3 * GIS 107 4 MATH 103 3 MATH 104 2 MATH 105 4 MATH 107 3 * MATH 137	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science I Physical Geology/Lab Historical Geology/Lab Fundamentals of GIS GIS Applications College Algebra Finite Math Trigonometry	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 3/1 SCNO 3/1 SCNO 3/1 SCNO 3/1 SCNO	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 240 Principles of Nutrition 100 Concepts of Physics/Lab 110 Introduction to Astronomy/Lab 211 College Physics I/Lab 212 College Physics I/Lab 251 University Physics I/Lab 252 University Physics I/Lab 110 World Food Crops/Lab 110 Physical Science I/Lab (Biology & Chemistry) 102 Physical Science II/Lab (Physics & Geology) 103 Physical Science II/Lab (Astronomy & Meteorology)
Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 202 3 * BADM 281 3 * BADM 282 1 * BIOL 102 3 BIOL 109 3/1 BIOL 111 3/1 BIOL 115 3 BIOL 125 3/1 BIOL 126 3/1 BIOL 150 3/1 BIOL 151 3/1 BIOL 151 3/1 BIOL 150 3/1 BIOL 220 3/1 BIOL 220 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 170 3/1 CHEM 110	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Organizational Behavior Human Resource Mgmt Introduction to Aquarium Keeping Living World Concepts of Biology/Lab Concepts of Anatomy & Physiology/Lab Environmental Science Introduction to Ecology/Lab General Biology I/Lab General Biology I/Lab General Biology I/Lab General Zoology/Lab Anatomy & Physiology I/Lab Anatomy & Physiology I/Lab Survey-Tropical Biology/Lab	4/1 CHEM 115 4/1 CHEM 116 4/1 CHEM 121 4/1 CHEM 122 3 CSCI 147 4 * CIS 164 3 CSCI 101 3 CSCI 122 4 CSCI 160 4 CSCI 161 3/1 GEOL 102 3/1 GEOL 102 3/1 GEOL 105 3 # GIS 107 4 MATH 103 3 MATH 104 2 MATH 105 4 MATH 107	Intro to Organic & Biochemistry/Lab General Chemistry I/Lab General Chemistry I/Lab Principles of Information Security Networking Fundamentals I Introduction to Computers Beginning Visual Basic Computer Science I Computer Science I Physical Geography/Lab Historical Geology/Lab Physical Geology/Lab Fundamentals of GIS GIS Applications College Algebra Finite Math Trigonometry Pre-Calculus Applied Algebra Applied Calculus I	3 * MAT 3 MAT 4 * MAT 3/1 MICF 3/1 MICF 3/1 PHYS 3/1 SCNO 3/1 SCNO 3/1 SCNO 3/1 SCNO	H 210 Elementary Statistics H 277 Math for Elementary Teachers I 202 Introductory Microbiology/Lab 240 Principles of Nutrition 100 Concepts of Physics/Lab 110 Introduction to Astronomy/Lab 211 College Physics I/Lab 212 College Physics I/Lab 251 University Physics I/Lab 252 University Physics II/Lab 110 World Food Crops/Lab 110 Physical Science I/Lab (Biology & Chemistry) 102 Physical Science II/Lab (Physics & Geology) 103 Physical Science II/Lab (Astronomy & Meteorology)
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Category V: PROGRAM SPECIFIC GENERAL EDUCATION REQUIREMENTS

(6 Credits) - Must be choosen from one of the following categories: Communications; Social & Behavioral Sciences; Arts & Humanities; and/or Business, Math, Science & Technology

Gr. Cr. Course Gr. Cr. Course Gr. Cr. Course

Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC) are pre-college courses that indicate the need for college preparation work before enrollment in college level courses. These courses will not fulfill general education requirements, institutional credit requirements and cannot be included in the semester hours required for a Bachelor of Applied Science degree.

Gr. Cr.			Gr.	Cr.		
2	ASC 082	Effective Reading		2	ASC 94	College Writing Prep I
2	ASC 91	Algebra Prep I		2	ASC 95	College Writing Prep II
2	ASC 92	Algebra Prep II		2	ASC 96	College Writing Prep III
2	ASC 93	Algebra Prep III		3/1	ASC 098	Basic Biology/Lab

Degree Checklist

dits	
Earned a minimum of 3 credits in ENGL 110	Earned at least 30 semester hours of institutional credit from BSC
Earned a minimum of 3 credits in ENGL 120 or ENGL 125	Minimum of 2.00 institutional GPA (BSC only)
Earned a minimum of 3 credits in COMM 110	Minimum of 2.00 cumulative GPA (BSC + Transfer)
Earned a minimum of 6 credits in Arts & Humanites ²	Earned at least 30 semester hours of upper division (300/400) level courses
Earned a minimum of 6 credits in Social & Behavioral Sciences	Cleared all college obligations
Earned a minimum of 9 credits in Business, Math, Science & Technology	Satisfied all degree seeking admission requirements
Earned a minimum of 6 credits in Program Specific general education courses ³	Filed an Application for Degree in the Academic Records Office immediately followin
Completed defined courses leading to an academic major	enrollment in final semester

Advisor:	
Office:	
Phone:	
Email: _	

- ¹ Programs may have specific General Education requirements; refer to your program degree plan
- ² No more than 3 hours of Fine Arts may be used
- ³ Must be chosen from one of the following categories: Communications; Social & Behavioral Sciences; Arts & Humanities; and/or Business, Math, Science & Technology
- ⁴ Academic Skills Courses (ASC) will not fulfill general education requirements, institutional credit requirements and cannot be included in the semester hours required for a Bachelor of Applied Science Degree

*This advising worksheet is unofficial and to be used for class planning purposes only. Please refer to the official catalog at http://catalog.bismarckstate.edu/ for the complete listing of college degree requirements.