

Heating, Ventilation and Air Conditioning Diploma

Advising Worksheet* 2018-2019

Prescribed Technical Program	44
General Education	9
Elective Credit	7
Total Degree Credits	60

Fall Semester								
Prescri	bed Tecl	hnical Program Requirements						
SMTL	105	Sheet Metal I		3				
SMTL	106	Sheet Metal II		6				
SMTL	107	Sheet Metal III		4				
SMTL	115	Practical Applications of Sheet Metal	_	4				
			Total Credits	17				

Sprin	Spring Semester							
Prescri	oed Tech	nical Program Requirements	•					
HVAC	100	Introduction to Heating, Ventilation and Air Conditioning	3					
HVAC	103	Air Conditioning Theory and Components	5					
HVAC	104	Heating Theory and Components	4					
HVAC	114	Heating Systems Troubleshooting	5					
		Total Credits	17					

Summer Semester						
Prescri	bed Tech	nical Program Requirements				
HVAC	213	Air Conditioning Systems Troubleshooting	5			
REFG	215	Light Commercial Refrigeration	2			
REFG	216	Domestic Refrigeration	3			
		Total Credits	10			

Gener	al Edu	cation Requirements		
Arts & H	lumaniti	es/Social & Behavioral Sciences		
1.				3
Business	s, Math,	Science & Technology		
1.				3
Commu	nication	s / (Select one of the following:)		
ENGL	110	College Composition I		3
COMM	110	Fundamentals of Public Speaking	<u> </u>	
			Total Credits	9
Electiv	ves			
1.				3
2.				3
3.			_	1
			Total Credits	7

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Diploma 2018-2019 Catalog

Advisor:	-
Office:	
Phone:	
Email:	_

	Email:
Degree Checklist	
Credits	
Earned a minimum of 3 credits in Communications	Earned at least 15 semester hours of instututional credit from BSC
Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Sciences	Minimum of 2.00 GPA in a prescribed technical program
Earned a minimum of 3 credits in Business, Math, Science & Technology	Minimum of 2.00 institutional GPA (BSC only)
Completed prescribed technical program requirements	Minimum of 2.00 cumulative GPA (BSC + Transfer)
Completed minimum Electives (Not required for all programs)	Cleared all college obligations
	Declared program of study is degree seeking
Earned a minimum of 60 credits	Filed an Application for Degree in the Academic Records Office
-Academic Skills Courses (ASC) do not count toward graduation	Specific programs may require additional degree/program requirements; refer to your program
Legend (*) Course not approved as GERTA	
General Education Requirements	

Category I: COMMUNICATIONS Completed Needed

(3 Credits) - ENGL 110, 120, 125 or COMM 110 (Select One) Gr. Cr. College Composition I **ENGL 110 ENGL 120** College Composition II **ENGL 125** Introduction to Professional Writing COMM 110 Fundamentals of Public Speaking

Transfer Course

General Education Requirements Continued
Category II: ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

Completed____

Needed_

Gr. Cr.			Gr. C	r.			Gr. (Cr.		
	NTH 170	Physical Anthropology and Archeology			HIST 101	Western Civilization I		3	POLS 220	International Politics
	ART 110	Introduction to the Visual Arts		3	HIST 102	Western Civilization II		3	PSYC 111	Introduction to Psychology
	ART 122	Two-Dimensional Design		3	HIST 103	United States to 1877			PSYC 211	Introduction to Behavior Modificat
3 A	ART 124	Three-Dimensional Design		3	HIST 104	United States Since 1877		3	PSYC 250	Developmental Psychology
	ART 130	Drawing I		3	HIST 211	World Civilizations to 1500		3 *	PSYC 261	Psychology of Adjustment
3 A	ART 210	Art History I		3	HIST 212	World Civilizations since 1500		3	PSYC 270	Abnormal Psychology
3 A	ART 211	Art History II		3	HIST 220	North Dakota History		3	RELS 120	Religion in America
3 A	ART 220	Painting I		3	HIST 222	History of the Western Frontier		3	RELS 201	Life and Letters of Paul
3 A	ART 221	Painting II		3	HIST 224	American Studies I		3	RELS 203	World Religions
3 A	ART 230	Drawing II		3	HIST 225	American Studies II		3	RELS 220	Old Testament
3 A	ART 250	Ceramics I	1	-3 *	HIST 243	Historical Investigations		3	RELS 230	New Testament
	ART 251	Ceramics II		3	HUMS 210	Integrated Cultural Studies		3	SOC 110	Introduction to Sociology
2 A	ART 265	Sculpture I	1	-4	HUMS 211	Integrated Cultural Excursion		3	SOC 115	Social Problems
2 A	ART 266	Sculpture II		2	HUMS 212	Integrated Cultural Enrichment		3	SOC 220	Family
3 * 0	CIS 280	Cyber Ethics		3	MUSC 100	Music Appreciation		3	SOC 221	Minority Relations
3 C	CJ 201	Introduction to Criminal Justice		1	MUSC 117	Concert Choir		3	SOC 235	Cultural Diversity
3 C	COMM 112	Understanding Media and Social Change		1	MUSC 118	Chamber Choir		3	SOC 251	Gerontology
3 C	COMM 211	Oral Interpretation		1	MUSC 121	String Ensemble		3	SOC 252	Criminology
3 C	COMM 212	Interpersonal Communications		1	MUSC 132	Wind Ensemble		3	SOC 275	American Indian Studies
3 E	CON 105	Elements of Economics		1	MUSC 133	Woodwind Ensemble I		4	SPAN 101	First Year Spanish I
3 E	CON 201	Principles of Microeconomics		1	MUSC 134	Woodwind Ensemble II		4	SPAN 102	First Year Spanish II
3 E	CON 202	Principles of Macroeconomics		1	MUSC 135	Brass Ensemble I		4	SPAN 201	Second Year Spanish I
3 E	NGL 211	Introduction to Creative Writing		1	MUSC 136	Brass Ensemble II		4	SPAN 202	Second Year Spanish II
3 E	NGL 221	Introduction to Drama		1	MUSC 137	Jazz Ensemble		3	SWK 256	Development of Social Welfare
3 E	NGL 222	Introduction to Poetry		1 *	MUSC 138	Percussion Ensemble		3	THEA 110	Introduction to Theatre Arts
3 E	NGL 233	Fantasy and Science Fiction		1	MUSC 145	Applied Music		3	THEA 161	Acting I
3 E	NGL 236	Women and Literature		1	MUSC 146	Applied Music - Major		3	THEA 180	Dramatic Literature and Style I
3 E	NGL 238	Children's Literature		3	PHIL 101	Introduction to Philosophy		3	THEA 181	Dramatic Literature and Style II
3 E	NGL 251	British Literature I		3	PHIL 210	Ethics		3	THEA 261	Acting II
3 E	NGL 252	British Literature II		3	PHIL 220	Introduction to Logic				
3 E	NGL 261	American Literature I		3	PHIL 250	Philosophy in Cinema				
3 E	NGL 262	American Literature II		3	PHIL 253	Environmental Ethics				
3 E	NGL 278	Alternative Literature		3	POLS 115	American Government				
3 - 0	GEOG 161	World Regional Geography		3	POLS 116	State and Local Government				

Transfer Course Transfer Course Transfer Course

General Educa	tion Requirements Co	ontinued			
Category III: BUSINES	SS, MATH, SCIENCE & TECHNO	LOGY		Completed	Needed
(3 Credits)	•			•	
Gr. Cr. 3 * ACCT 200 3 * ACCT 201 3/1 ASTR 150 3 * BADM 202 3 * BADM 210 3 * BADM 240 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 125 3/1 BIOL 150 3/1 BIOL 150 3/1 BIOL 150 3/1 BIOL 220 3/1 BIOL 220 3/1 BIOL 220 3/1 BIOL 220 3/1 BIOL 250 3/1 BIOL 250 3/1 BIOL 250 3/1 CHEM 110 3/1 CHEM 110 3/1 CHEM 112	Elements of Accounting I Elements of Accounting II Meteorology/Lab Principles of Management Advertising I Sales Organizational Behavior Human Resource Management Introduction to Aquarium Keeping The Living World Concepts of Biology/Lab Human Structure and Function/Lab Environmental Science Introduction to Ecology/Lab Human Biology/Lab General Biology I/Lab General Biology I/Lab Anatomy and Physiology I/Lab Anatomy and Physiology II/Lab Survey of Tropical Biology/Lab Plant Form and Diversity/Lab Fundamentals of Business Survey of Chemistry/Lab Introduction to Forensic Science/Lab	Gr. Cr. 3/1 CHEM 114 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 161 3/1 GEOG 121 3/1 GEOL 102 3/1 GEOL 105 3 GIS 105 3 GIS 107 4 MATH 103 MATH 104 2 MATH 105 4 MATH 107 3 * MATH 137 3 MATH 146 4 MATH 165	Chemistry in Art/Lab Introductory Chemistry/Lab Intro to Organic and Biochemistry/Lab General Chemistry II/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 Physical Geology/Lab Fundamentals of GIS GIS Applications College Algebra Finite Mathematics Trigonometry Pre-Calculus Applied Algebra Applied Calculus I Calculus I	Gr. Cr. 4 MATH 166 3 * MATH 208 3 MATH 210 4 * MATH 277 3/1 MICR 202 3 * NUTR 240 3/1 PHYS 100 3/1 PHYS 110 4/1 PHYS 211 4/1 PHYS 211 4/1 PHYS 251 4/1 PHYS 252 2/1 PLSC 110 3/1 SCNC 101 3/1 SCNC 102 3/1 SCNC 103 2/1 * SOIL 210	Calculus II Discrete Mathematics Elementary Statistics Mathematics for Elementary Teachers I Introductory Microbiology/Lab Principles of Nutrition Concepts of Physics/Lab Introductory Astronomy/Lab College Physics I/Lab College Physics II/Lab University Physics II/Lab University Physics II/Lab World Food Crops/Lab Physical Science I/Lab (Biology & Chemistry) Physical Science II/Lab (Physics & Geology) Physical Science III/Lab (Astronomy & Meteorology) Introduction to Soil Science/Lab
		-			
Electives			Cor	mpleted Ne	eeded
Not required for all progra	ame				
Gr. Cr. Course	ano.	Gr. Cr. Course		Gr. Cr. Course	
	s Courses (ASC)	rses that indicate the need fo	or college preparation work before enrollr	ment in college level courses.	These courses will not fulfill aeneral
-	nstitutional credit requirements and c	-		g cou.sco.	and the second s
Gr. Cr. 2 ASC 082 3 ASC 087 1 ASC 088	Effective Reading College Writing Prep Composition Lab	Gr. Cr. 2 ASC 91 2 ASC 92 2 ASC 93	Algebra Prep II Algebra Prep III	Gr. Cr. 2 ASC 94 2 ASC 95 2 ASC 96 3/1 ASC 098	College Writing Prep I College Writing Prep II College Writing Prep III Basic Biology/Lab

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