



# Heating, Ventilation & Air Conditioning Diploma Degree Plan 2015-2016

<b>Prescribed Technical Program Total</b>	<b>44</b>
<b>General Education Total</b>	<b>9</b>
<b>Electives Total</b>	<b>7</b>
<b>Total Degree Credits</b>	<b>60</b>

## Fall Semester

### Prescribed Technical 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
<b>Total Credits</b>			<b>17</b>

## Spring Semester

### Prescribed Technical Program Requirements

HVAC	100	Introduction to Heating, Vent & Air Conditioning	3
HVAC	103	Air Conditioning Theory & Components	5
HVAC	104	Heating Theory & Components	4
HVAC	114	Heating Systems Troubleshooting	5
<b>Total Credits</b>			<b>17</b>

## Summer Semester

### Prescribed Technical Program Requirements

HVAC	213	Air Conditioning Systems Troubleshooting	5
REFG	215	Light Commercial Refrigeration	2
REFG	216	Domestic Refrigeration	3
<b>Total Credits</b>			<b>10</b>

## General Education Requirements

### Arts & Humanities/Social & Behavioral Sciences

1.	3
----	---

### Business, Math, Science & Technology

1.	3
----	---

### Communications I (Select one course.)

ENGL	110	College Composition I	3
COMM	110	Fundamentals of Public Speaking	

**Total Credits** **9**

## Electives

1.	3
2.	3
3.	1

**Total Credits** **7**

# Diploma

Advisor: \_\_\_\_\_

Office: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

## Degree Checklist

Credits

- ☐ Earned a minimum of 3 credits in Communications
- ☐ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Science
- ☐ Earned a minimum of 3 credits in Business, Math, Science & Technology
- ☐ Earned prescribed technical program requirements
- ☐ Earned minimum Electives (Not required for all programs)
- ☐ Earned a minimum of 60 total credits
- Academic Skills Courses (ASC) do not apply toward graduation.*

- ☐ Earned a minimum of 15 institutional credit (BSC only)
- ☐ Earned a minimum 2.00 institutional GPA (BSC only)
- ☐ Earned a minimum 2.00 cumulative GPA (BSC + Transfer)
- ☐ Earned a minimum 2.00 GPA in a prescribed technical program
- ☐ Cleared all college obligations
- ☐ Declared program of study is Degree-seeking
- ☐ Filed an Application for Degree

## General Education Requirements

Legend

(\*) Course not approved as GERTA

Category I: COMMUNICATIONS				Completed	Needed
(3 Credits) - ENGL 110, 120, 125 or COMM 110 (Select One)					
Gr.	Cr.				
	3	ENGL 110	College Composition I		
	3	ENGL 120	College Composition II		
	3	ENGL 125	Introduction to Professional Writing		
	3	COMM 110	Fundamentals of Public Speaking		
Transfer Course					

# General Education Requirements Continued

## Category II: ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

Completed\_\_\_\_\_ Needed\_\_\_\_\_

(3 Credits)

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

Transfer Course

Transfer Course

Transfer Course

# General Education Requirements Continued

## Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

Completed\_\_\_\_\_

Needed\_\_\_\_\_

(3 Credits)

Gr.	Cr.			Gr.	Cr.			Gr.	Cr.					
	3	*	ACCT 200	Elements of Accounting I		3/1	CHEM 110	Survey of Chemistry/Lab		3	MATH 146	Applied Calculus I		
	3	*	ACCT 201	Elements of Accounting II		3/1	CHEM 112	Introduction to Forensic Science/Lab		4	MATH 165	Calculus I		
	3/1		ASTR 150	Meteorology/Lab		3/1	CHEM 114	Chemistry in Art/Lab		4	MATH 166	Calculus II		
	3	*	BADM 202	Principles of Management		4/1	CHEM 115	Introductory Chemistry/Lab		3	*	MATH 208	Discrete Mathematics	
	3	*	BADM 210	Advertising I		4/1	CHEM 116	Intro to Organic & Biochemistry/Lab		3		MATH 210	Elementary Statistics	
	3	*	BADM 240	Sales		4/1	CHEM 121	General Chemistry I/Lab		4	*	MATH 277	Math for Elementary Teachers I	
	3	*	BADM 281	Organizational Behavior		4/1	CHEM 122	General Chemistry II/Lab		3/1		MICR 202	Introductory Microbiology/Lab	
	3	*	BADM 282	Human Resource Management		4	*	CIS 164	Networking Fundamentals		3	*	NUTR 240	Principles of Nutrition
	1	*	BIOL 102	Introduction to Aquarium Keeping		3		CSCI 101	Introduction to Computers		3/1		PHYS 100	Concepts of Physics/Lab
	3		BIOL 109	Living World		3		CSCI 122	Beginning Visual Basic		3/1		PHYS 110	Introduction to Astronomy/Lab
	3/1		BIOL 111	Concepts of Biology/Lab		4		CSCI 160	Computer Science I		3/1		PHYS 211	College Physics I/Lab
	3/1		BIOL 115	Human Structure & Function/Lab		4		CSCI 161	Computer Science II		3/1		PHYS 212	College Physics II/Lab
	3		BIOL 124	Environmental Science		3/1		GEOG 121	Physical Geography/Lab		4/1		PHYS 251	University Physics I/Lab
	3/1		BIOL 126	Human Biology/Lab		3/1		GEOL 102	Historical Geology/Lab		4/1		PHYS 252	University Physics II/Lab
	3/1		BIOL 150	General Biology I/Lab		3/1		GEOL 105	Physical Geology/Lab		2/1		PLSC 110	World Food Crops/Lab
	3/1		BIOL 151	General Biology II/Lab		3		GIS 105	Fundamentals of GIS		3/1		SCNC 101	Physical Science I/Lab
	3/1		BIOL 220	Anatomy & Physiology I/Lab		3	*	GIS 107	GIS Applications					Biology & Chemistry
	3/1		BIOL 221	Anatomy & Physiology II/Lab		4		MATH 103	College Algebra		3/1		SCNC 102	Physical Science II/Lab
	3/1		BIOL 250	Survey-Tropical Biology/Lab		3		MATH 104	Finite Math					Physics & Geology
	3/1		BIOL 251	Community Ecology/Lab		2		MATH 105	Trigonometry		3/1		SCNC 103	Physical Science III/Lab
	3/1		BOT 170	Plant Form & Diversity/Lab		4		MATH 107	Pre-Calculus					Astronomy & Meteorology
	3	*	BUSN 120	Fundamentals of Business		3	*	MATH 137	Applied Algebra		2/1	*	SOIL 210	Introduction to Soil Science/Lab
Transfer Course					Transfer Course					Transfer Course				

## Electives

Completed\_\_\_\_\_

Needed\_\_\_\_\_

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

## Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC), as well as Math 102, are pre-college courses indicate the need for college preparation work before enrollment in college level courses. These courses will not carry honor points or earned credit and will not count toward the student's degree program.

Gr.	Cr.			Gr.	Cr.		
_____	2	ASC 082	Effective Reading	_____	2	ASC 92	Algebra Prep II
_____	3	ASC 087	College Writing Prep	_____	2	ASC 93	Algebra Prep III
_____	1	ASC 088	Composition Lab	_____	3/1	ASC 098	Basic Biology/Lab
_____	2	ASC 91	Algebra Prep I	_____			