



Energy Services & Renewable Technician
 Associate in Applied Science
 Advising Worksheet* 2016-2017

Prescribed Technical Program Total	54
General Education Total	16
Total Degree Credits	70

Semester I offered fall semesters Completed

Prescribed Technical Program Requirements			
ESRE	210	Electrical & Safe Work Practices	3
ESRE	216	Mechanical Drive Systems	4
ESRE	213	Hydraulic Fundamentals	3
ESRE	218	Solar & Distributed Grid Systems	4
Total Credits			14

Semester II offered spring semesters Completed

Prescribed Technical Program Requirements			
ESRE	224	Automation & Control	3
ESRE	221	Applied Electronics	3
ESRE	226	Commercial Wind Systems	3
ESRE	228	Energy Technician Applications & Troubleshooting	5
Total Credits			14

Semester III - offered fall semesters Completed

Prescribed Technical Program Requirements			
ENRT	122	Industrial Composition and Communication	4
ENRT	105	Safety, Health & Environment	3
ENRT	107	Mechanical Fundamentals	2
ENRT	110	Plant Equipment & Systems	4
Total Credits			13

Semester IV - offered spring semesters Completed

Prescribed Technical Program Requirements			
ENRT	112	Print Reading	3
ENRT	103	Applied Math	3
PWRP	224	Power Generation Components & Protection	3
ENRT	116	Instrumentation & Control	4
Total Credits			13

General Education Requirements Completed

Arts & Humanities/Social & Behavioral Sciences			
1.			3
Business, Math, Science & Technology (Two areas of study)			
1.	CIS 164 Networking Fundamentals (Required)		4
2.			3
Communications I			
ENGL	110	College Composition I (Required)	3
Communications II (Select one course.)			
ENGL	120	College Composition II (Prerequisite: ENGL 110)	
ENGL	125	Intro to Professional Writing (Prerequisite: ENGL 110)	3
COMM	110	Fundamentals of Public Speaking	
Total Credits			16

* The 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 the degree requirements.

Associate in Applied Science (AAS) 2016-2017 Catalog

Advisor: _____
 Office: _____
 Phone: _____
 Email: _____

Degree Checklist

Credits

- _____ Earned a minimum of 3 credits in ENGL 110
- _____ Earned a minimum of 3 credits in ENGL 120, ENGL 125 or COMM 110
- _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Science
- _____ Earned a minimum of 6 credits in Business, Math, Science & Technology
- _____ Earned prescribed technical program requirements
- Earned a minimum of 60 credits
-Academic Skills Courses (ASC) do not count toward graduation

- Earned a minimum of 15 institutional credits (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

Legend
 (*) Course not approved as GERTA

General Education Requirements

Category I: COMMUNICATIONS Completed _____ Needed _____

Communications I

(3 Credits) - ENGL 110

Gr.	Cr.		
_____	3	ENGL 110	College Composition I

Transfer Course _____

Communications II

(3 Credits) -ENGL 120, 125, COMM 110 (Select one)

Gr.	Cr.		
_____	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	_____	3	HIST 101	_____	3	POLS 115
_____	3	ART 122	_____	3	HIST 102	_____	3	POLS 116
_____	3	ART 124	_____	3	HIST 103	_____	3	POLS 220
_____	3	ART 130	_____	3	HIST 104	_____	3	PSYC 111
_____	3	ART 210	_____	3	HIST 220	_____	3	* PSYC 211
_____	3	ART 211	_____	3	HIST 222	_____	3	PSYC 250
_____	3	ART 220	_____	3	HIST 224	_____	3	* PSYC 261
_____	3	ART 221	_____	3	HIST 225	_____	3	PSYC 270
_____	3	ART 230	_____	1-3	* HIST 243	_____	3	RELS 120
_____	3	ART 250	_____	3	HUMS 210	_____	3	RELS 201
_____	3	ART 251	_____	1-4	HUMS 211	_____	3	RELS 203
_____	2	ART 265	_____	2	HUMS 212	_____	3	RELS 220
_____	2	ART 266	_____	3	MUSC 100	_____	3	RELS 230
_____	3	CJ 201	_____	1	MUSC 117	_____	3	SOC 110
_____	3	COMM 211	_____	1	MUSC 118	_____	3	SOC 115
_____	3	* COMM 212	_____	1	MUSC 121	_____	3	SOC 220
_____	3	ECON 105	_____	1	MUSC 132	_____	3	SOC 221
_____	3	ECON 201	_____	1	MUSC 133	_____	3	SOC 235
_____	3	ECON 202	_____	1	MUSC 134	_____	3	SOC 251
_____	3	ENGL 211	_____	1	MUSC 135	_____	3	SOC 252
_____	3	ENGL 221	_____	1	MUSC 136	_____	3	SOC 275
_____	3	* ENGL 222	_____	1	MUSC 137	_____	4	SPAN 101
_____	3	ENGL 233	_____	1	* MUSC 138	_____	4	SPAN 102
_____	3	ENGL 236	_____	1	MUSC 145	_____	4	SPAN 201
_____	3	ENGL 238	_____	1	MUSC 146	_____	4	SPAN 202
_____	3	ENGL 251	_____	3	PHIL 101	_____	3	SWK 256
_____	3	ENGL 252	_____	3	PHIL 210	_____	3	THEA 110
_____	3	ENGL 261	_____	3	PHIL 220	_____	3	THEA 161
_____	3	ENGL 262	_____	3	PHIL 250	_____	3	THEA 261
_____	3	ENGL 278	_____	3	PHIL 253	_____		

Transfer Courses

Transfer Courses

Transfer Courses

General Education Requirements Continued

Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

Completed _____

Needed _____

(6 Credits) *Must be satisfied with courses from two areas of study. Area of study is based on course prefix.*

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

Transfer Courses

Transfer Courses

Transfer Courses

_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC), as well as Math 102, are pre-college courses that 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	_____	2	ASC 92
		Effective Reading			Algebra Prep II
_____	3	ASC 087	_____	2	ASC 93
		College Writing Prep			Algebra Prep III
_____	1	ASC 088	_____	3/1	ASC 098
		Composition Lab			Basic Biology/Lab
_____	2	ASC 91	_____		
		Algebra Prep I			

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