Power Plant Technology
Associate in Applied Science
Advising Worksheet* 2017-2018

Prescribed Technical Program Total	52
General Education Total	15
Total Degree Credits	67

Semester I

Prescribed Technical Program Requirements

ENRT	101	Introduction to Energy Technology	4
ENRT	105	Safety, Health & Environment	3
ENRT	107	Mechanical Fundamentals	2
ENRT	110	Plant Equipment & Systems	4
		Total Credits	13

Semester II

Prescribed Technical Program Requirements

ENRT	112	Print Reading	3
ENRT	103	Applied Math	3
ENRT	104	Electrical Fundamentals	3
ENRT	116	Instrumentation & Control	4
		Total Credits	13

Semester IV

Prescribed Technical Program Requirements

PWRP	203	Energy Sources & Conversions	3
PWRP	207	Boilers & Environmental Protection	3
PWRP	210	Turbines & Combined Cycle	3
PWRP	224	Power Generation Components & Protection	3
ENRT	220	Practical Applications	2
		Total Credits	14

General Education Requirements

Arts & Humanities/Social & Behavioral Sciences

1. 3

Business, Math, Science & Technology (Two areas of study required.)

1. 3

	3	118	Heat Transfer, Flu
	ENRT	120	Water Purification
	ENRT	205	Steam Generation
	ENRT	215	Operations, Troub

* 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 d requirements.

Category II: ARTS & HUMANITES/SOCIAL & BEHAVIORAL SCIENCES

Completed_____ Needed_____

Gr.	Cr.		
	3	ART 110	Introduction to the Visual Arts
	3	ART 122	Two-Dimensional Design
	3	ART 124	Three-Dimensional Design
	3	ART 130	Drawing I
	3	ART 210	

Gr.	Cr.		
	3	HIST 101	Western Civilization I
	3	HIST 102	Western Civilization II
	3	HIST 103	United States to 1877
	3	HIST 104	United States since 1877

Gr.	Cr.		
	3	POLS 115	American Government
	3	POLS 116	State and Local Government
	3	POLS 220	International Politics
	3	PSYC 111	Introduction to Psychology

Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

Completed_____ Needed____

Gr.	Cr.			
	3	*	ACCT 200	Elements of Accounting I
	3	*	ACCT 201	Elements of Accounting II
	3/1		ASTR 150	Meteorology/Lab
	3	*	BADM 202	Principles of Management
	3	*	BADM 210	Advertising I
	3	*	BADM 240	Sales
	3	*	BADM 281	Organizational Behavior
	3	*	BADM 282	Human Resource Management
	1	*	BIOL 102	Introduction to Aquarium Keeping
	3		BIOL 109	The Living World
	3/1		BIOL 111	Concepts of Biology/Lab
	3/1		BIOL 115	Human Structure and Function/Lab
	3		BIOL 124	Environmental Science
	3/1		BIOL 125	Introduction to Ecology/Lab
	3/1		BIOL 126	Human Biology/Lab
	3/1		BIOL 150	General Biology I/Lab

Gr.	Cr.			
	3/1		CHEM 110	Survey of Chemistry/Lab
	3/1		CHEM 112	Introduction to Forensic Science/Lab
	3/1		CHEM 114	Chemistry in Art/Lab
	4/1		CHEM 115	Introductory Chemistry/Lab
	4/1		CHEM 116	Intro to Organic and Biochemistry/Lab
	4/1		CHEM 121	General Chemistry I/Lab
	4/1		CHEM 122	General Chemistry II/Lab
	4	*	CIS 164	Networking Fundamentals I
	3		CSCI 101	Introduction to Computers
	3		CSCI 122	Beginning Visual Basic
	4		CSCI 160	Computer Science I
	4		CSCI 161	Computer Science II
	3/1		GEOG 121	Physical Geography/Lab
	3/1		GEOL 102	Historical Geology/Lab
	3/1		GEOL 105	Physical Geology/Lab
	3		GIS 105	

Gr.	Cr.			
	3		MATH 146	Applied Calculus I
	4		MATH 165	Calculus I
	4		MATH 166	Calculus II
	3	*	MATH 208	Discrete Mathematics
	3		MATH 210	Elementary Statistics
	4	*	MATH 277	Math for Elementary Teachers I
	3/1		MICR 202	Introductory Microbiology/Lab
	3	*	NUTR 240	Principles of Nutrition
	3/1		PHYS 100	Concepts of Physics/Lab
	3/1		PHYS 110	Introductory Astronomy/Lab
	3/1		PHYS 211	College Physics I/Lab
	3/1		PHYS 212	College Physics II/Lab
	4/1		PHYS 251	University Physics I/Lab
	4/1		PHYS 252	University Physics II/Lab
	2/1		PLSC 110	World Food Crops/Lab