



Process Plant Technology

Associate in Applied Science

Advising Worksheet* 2018-2019

Prescribed Technical Program Total	53
General Education Total	15
Total Degree Credits	68

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 III

Prescribed Technical Program Requirements

ENRT	118	Heat Transfer, Fluid Flow & Thermodynamics	3
ENRT	120	Water Purification & Treatment	3
ENRT	205	Steam Generation	3
ENRT	215	Operations, Troubleshooting & Communications	3
Total Credits			12

Semester IV

Prescribed Technical Program Requirements

PROP	235	Hydrocarbon Chemistry	3
PROP	237	Distillation & Refinery Operations	4
PROP	239	Gas Processing	3
PROP	244	Ethanol & Biofuels Production	3
ENRT	220	Practical Applications	2
Total Credits			15

General Education Requirements

Arts & Humanities/Social & Behavioral Sciences

1.	3
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Business, Math, Science & Technology (Two areas of study)

1.	3
2.	3

Communications I

ENGL	110	College Composition I (Required)	3
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Communications II (Select one course.)

ENGL	120	College Composition II	
ENGL	125	Introduction to Professional Writing	3
COMM	110	Fundamentals of Public Speaking	
Total Credits			15

* 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) 2018-2019 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 ¹
- _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Sciences
- _____ Earned a minimum of 6 credits in Business, Math, Science & Technology ²
- _____ Completed prescribed technical program requirements
- Earned a minimum of 60 credits

-Academic Skills Courses (ASC) do not count toward graduation

- Earned at least 15 semester hours of institutional credit from BSC
- Minimum of 2.00 institutional GPA (BSC only)
- Minimum of 2.00 cumulative GPA (BSC + Transfer)
- Minimum of 2.00 GPA in a prescribed technical program
- Cleared all college obligations
- Declared program of study is degree seeking
- Filed an Application for Degree in the Academic Records Office

Specific programs may require additional degree/program requirements; refer to your program.

¹ Programs may have a specific Communications II requirement; refer to your program degree plan.

² Must be from any two areas of study. For example, a Biology course and a Math course, but not two Biology courses or two Math courses.

Legend
 (*) Course not approved as GERTA

General Education Requirements

Category I: COMMUNICATIONS Completed _____ Needed _____

Communications I

(3 Credits) - ENGL 110

Gr.	Cr.	Course	Description
_____	3	ENGL 110	College Composition I

Transfer Course _____

Communications II

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

Gr.	Cr.	Course	Description
_____	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 III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

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

				Completed		Needed	
Gr.	Cr.			Gr.	Cr.		
_____	3	* ACCT 200	Elements of Accounting I	_____	3	MATH 146	Applied Calculus I
_____	3	* ACCT 201	Elements of Accounting II	_____	4	MATH 165	Calculus I
_____	3/1	ASTR 150	Meteorology/Lab	_____	4	MATH 166	Calculus II
_____	3	* BADM 202	Principles of Management	_____	3	* MATH 208	Discrete Mathematics
_____	3	* BADM 210	Advertising I	_____	3	MATH 210	Elementary Statistics
_____	3	* BADM 240	Sales	_____	4	* MATH 277	Mathematics for Elementary Teachers I
_____	3	* BADM 281	Organizational Behavior	_____	3/1	MICR 202	Introductory Microbiology/Lab
_____	3	* BADM 282	Human Resource Management	_____	3	* NUTR 240	Principles of Nutrition
_____	1	* BIOL 102	Introduction to Aquarium Keeping	_____	3/1	PHYS 100	Concepts of Physics/Lab
_____	3	BIOL 109	The Living World	_____	3/1	PHYS 110	Introductory Astronomy/Lab
_____	3/1	BIOL 111	Concepts of Biology/Lab	_____	4/1	PHYS 211	College Physics I/Lab
_____	3/1	BIOL 115	Human Structure and Function/Lab	_____	4/1	PHYS 212	College Physics II/Lab
_____	3	BIOL 124	Environmental Science	_____	4/1	PHYS 251	University Physics I/Lab
_____	3/1	BIOL 125	Introduction to Ecology/Lab	_____	4/1	PHYS 252	University Physics II/Lab
_____	3/1	BIOL 126	Human Biology/Lab	_____	2/1	PLSC 110	World Food Crops/Lab
_____	3/1	BIOL 150	General Biology I/Lab	_____	3/1	SCNC 101	Physical Science I/Lab (Biology & Chemistry)
_____	3/1	BIOL 151	General Biology II/Lab	_____	3/1	SCNC 102	Physical Science II/Lab (Physics & Geology)
_____	3/1	BIOL 220	Anatomy and Physiology I/Lab	_____	3/1	SCNC 103	Physical Science III/Lab (Astronomy & Meteorology)
_____	3/1	BIOL 221	Anatomy and Physiology II/Lab	_____	2/1 *	SOIL 210	Introduction to Soil Science/Lab
_____	3/1	BIOL 250	Survey of Tropical Biology/Lab				
_____	3/1	BOT 170	Plant Form and Diversity/Lab				
_____	3	* BUSN 120	Fundamentals of Business				
_____	3/1	CHEM 110	Survey of Chemistry/Lab				
_____	3/1	CHEM 112	Introduction to Forensic Science/Lab				

Transfer Courses

Transfer Courses

Transfer Courses

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 an Associate in Applied Science degree.

Gr.	Cr.			Gr.	Cr.		
_____	2	ASC 082	Effective Reading	_____	2	ASC 94	College Writing Prep I
_____	3	ASC 087	College Writing Prep	_____	2	ASC 95	College Writing Prep II
_____	1	ASC 088	Composition Lab	_____	2	ASC 96	College Writing Prep III
_____	2	ASC 91	Algebra Prep I	_____	3/1	ASC 098	Basic Biology/Lab
_____	2	ASC 92	Algebra Prep II				
_____	2	ASC 93	Algebra Prep III				

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