



Process Plant Technology Program Certificate

Advising Worksheet* 2016-2017

Prescribed Technical Program Total	53
General Education Total	4
Total Degree Credits	57

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

(Select 4 credits of general education courses in 2 areas of study.)

1.	4
2.	
Total Credits	4

* 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.

Program Certificate 2016-2017 Catalog

Degree Checklist

- | | |
|--|---|
| <input type="checkbox"/> Earned a minimum of 15 institutional credits (BSC only) | <input type="checkbox"/> Completed prescribed technical program requirements |
| <input type="checkbox"/> Earned a minimum 2.00 institutional GPA (BSC only) | <input type="checkbox"/> Cleared all college obligations |
| <input type="checkbox"/> Earned a minimum 2.00 cumulative GPA (BSC + Transfer) | <input type="checkbox"/> Filed an Application for Degree |
| <input type="checkbox"/> Earned a minimum 2.00 Prescribed Technical Program GPA | Programs containing 45 or more credits: |
| | <input type="checkbox"/> Earned a minimum of 4 credits of General Education from two areas of study |

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

Legend

(*) Course not approved as GERTA

General Education Requirements

Programs containing 45 or more credits must complete 4 credits of General Education from two areas of study.

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
<input type="checkbox"/>	3	* ACCT 200	<input type="checkbox"/>	3	ENGL 110	<input type="checkbox"/>	1	MUSC 145
<input type="checkbox"/>	3	* ACCT 201	<input type="checkbox"/>	3	ENGL 120	<input type="checkbox"/>	1	MUSC 146
<input type="checkbox"/>	3	ART 110	<input type="checkbox"/>	3	ENGL 125	<input type="checkbox"/>	3	* NUTR 240
<input type="checkbox"/>	3	ART 122	<input type="checkbox"/>	3	ENGL 211	<input type="checkbox"/>	3	PHIL 101
<input type="checkbox"/>	3	ART 124	<input type="checkbox"/>	3	ENGL 221	<input type="checkbox"/>	3	PHIL 210
<input type="checkbox"/>	3	ART 130	<input type="checkbox"/>	3	* ENGL 222	<input type="checkbox"/>	3	PHIL 220
<input type="checkbox"/>	3	ART 210	<input type="checkbox"/>	3	ENGL 233	<input type="checkbox"/>	3	PHIL 250
<input type="checkbox"/>	3	ART 211	<input type="checkbox"/>	3	ENGL 236	<input type="checkbox"/>	3	PHIL 253
<input type="checkbox"/>	3	ART 220	<input type="checkbox"/>	3	ENGL 238	<input type="checkbox"/>	3/1	PHYS 100
<input type="checkbox"/>	3	ART 221	<input type="checkbox"/>	3	ENGL 251	<input type="checkbox"/>	3/1	PHYS 110
<input type="checkbox"/>	3	ART 230	<input type="checkbox"/>	3	ENGL 252	<input type="checkbox"/>	3/1	PHYS 211
<input type="checkbox"/>	3	ART 250	<input type="checkbox"/>	3	ENGL 261	<input type="checkbox"/>	3/1	PHYS 212
<input type="checkbox"/>	3	ART 251	<input type="checkbox"/>	3	ENGL 262	<input type="checkbox"/>	4/1	PHYS 251
<input type="checkbox"/>	2	ART 265	<input type="checkbox"/>	3	ENGL 278	<input type="checkbox"/>	4/1	PHYS 252
<input type="checkbox"/>	2	ART 266	<input type="checkbox"/>	3/1	GEOG 121	<input type="checkbox"/>	2/1	PLSC 110
<input type="checkbox"/>	3/1	ASTR 150	<input type="checkbox"/>	3/1	GEOG 122	<input type="checkbox"/>	3	POLS 115
<input type="checkbox"/>	3	* BADM 202	<input type="checkbox"/>	3/1	GEOG 105	<input type="checkbox"/>	3	POLS 116
<input type="checkbox"/>	3	* BADM 210	<input type="checkbox"/>	3	GIS 105	<input type="checkbox"/>	3	POLS 220
<input type="checkbox"/>	3	* BADM 240	<input type="checkbox"/>	3	* GIS 107	<input type="checkbox"/>	3	PSYC 111
<input type="checkbox"/>	3	* BADM 281	<input type="checkbox"/>	3	HIST 101	<input type="checkbox"/>	3	* PSYC 211
<input type="checkbox"/>	3	* BADM 282	<input type="checkbox"/>	3	HIST 102	<input type="checkbox"/>	3	PSYC 250
<input type="checkbox"/>	1	* BIOL 102	<input type="checkbox"/>	3	HIST 103	<input type="checkbox"/>	3	* PSYC 261
<input type="checkbox"/>	3	BIOL 109	<input type="checkbox"/>	3	HIST 104	<input type="checkbox"/>	3	PSYC 270
<input type="checkbox"/>	3/1	BIOL 111	<input type="checkbox"/>	3	HIST 220	<input type="checkbox"/>	3	RELS 120
<input type="checkbox"/>	3/1	BIOL 115	<input type="checkbox"/>	3	HIST 222	<input type="checkbox"/>	3	RELS 201
<input type="checkbox"/>	3	BIOL 124	<input type="checkbox"/>	3	HIST 224	<input type="checkbox"/>	3	RELS 203
<input type="checkbox"/>	3/1	BIOL 126	<input type="checkbox"/>	3	HIST 225	<input type="checkbox"/>	3	RELS 220
<input type="checkbox"/>	3/1	BIOL 150	<input type="checkbox"/>	1-3	* HIST 243	<input type="checkbox"/>	3	RELS 230
<input type="checkbox"/>	3/1	BIOL 151	<input type="checkbox"/>	3	HUMS 210	<input type="checkbox"/>	3/1	SCNC 101
<input type="checkbox"/>	3/1	BIOL 220	<input type="checkbox"/>	1-4	HUMS 211	<input type="checkbox"/>		Physical Science I/Lab (Biology & Chemistry)
<input type="checkbox"/>	3/1	BIOL 221	<input type="checkbox"/>	2	HUMS 212	<input type="checkbox"/>	3/1	SCNC 102
<input type="checkbox"/>	3/1	BIOL 250	<input type="checkbox"/>	4	MATH 103	<input type="checkbox"/>		Physical Science II/Lab (Physics & Geology)
<input type="checkbox"/>	3/1	BIOL 251	<input type="checkbox"/>	3	MATH 104	<input type="checkbox"/>	3/1	SCNC 103
						<input type="checkbox"/>		Physical Science III/Lab (Astronomy & Meteorology)

3/1	BOT 170	Plant Form and Diversity/Lab	2	MATH 105	Trigonometry	3	SOC 110	Introduction to Sociology
3	* BUSN 120	Fundamentals of Business	4	MATH 107	Pre-Calculus	3	SOC 115	Social Problems
3/1	CHEM 110	Survey of Chemistry/Lab	3	* MATH 137	Applied Algebra	3	SOC 220	Family
3/1	CHEM 112	Introduction to Forensic Science/Lab	3	MATH 146	Applied Calculus I	3	SOC 221	Minority Relations
3/1	CHEM 114	Chemistry in Art/Lab	4	MATH 165	Calculus I	3	SOC 235	Cultural Diversity
4/1	CHEM 115	Introductory Chemistry/Lab	4	MATH 166	Calculus II	3	SOC 251	Gerontology
4/1	CHEM 116	Intro to Organic and Biochemistry/Lab	3	* MATH 208	Discrete Mathematics	3	SOC 252	Criminology
4/1	CHEM 121	General Chemistry I/Lab	3	MATH 210	Elementary Statistics	3	SOC 275	American Indian Studies
4/1	CHEM 122	General Chemistry II/Lab	4	* MATH 277	Math for Elementary Teachers I	2/1 *	SOIL 210	Introduction to Soil Science/Lab
4	* CIS 164	Networking Fundamentals I	3/1	MICR 202	Introductory Microbiology/Lab	4	SPAN 101	First Year Spanish I
3	CJ 201	Introduction to Criminal Justice	3	MUSC 100	Music Appreciation	4	SPAN 102	First Year Spanish II
3	COMM 110	Fundamentals of Public Speaking	1	MUSC 117	Concert Choir	4	SPAN 201	Second Year Spanish I
3	COMM 211	Oral Interpretation	1	MUSC 118	Chamber Choir	4	SPAN 202	Second Year Spanish II
3	* COMM 212	Interpersonal Communications	1	MUSC 121	String Ensemble	3	SWK 256	Development of Social Welfare
3	CSCI 101	Introduction to Computers	1	MUSC 132	Wind Ensemble	3	THEA 110	Introduction to Theatre Arts
3	CSCI 122	Beginning Visual Basic	1	MUSC 133	Woodwind Ensemble I	3	THEA 161	Acting I
4	CSCI 160	Computer Science I	1	MUSC 134	Woodwind Ensemble II	3	THEA 261	Acting II
4	CSCI 161	Computer Science II	1	MUSC 135	Brass Ensemble I			
3	ECON 105	Elements of Economics	1	MUSC 136	Brass Ensemble II			
3	ECON 201	Principles of Microeconomics	1	MUSC 137	Jazz Ensemble			
3	ECON 202	Principles of Macroeconomics	1	* MUSC 138	Percussion Ensemble			

Transfer Course

Transfer Course

Transfer Course

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	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			

Advisor: _____

Office: _____

Phone: _____

Email: _____