



# Nuclear Power Technology Program Certificate

Advising Worksheet\* 2016-2017

Prescribed Technical Program Total	52
General Education Total	4
<b>Total Degree Credits</b>	<b>56</b>

## 1st Semester (Fall Only)

### Prescribed Technical Program Requirements

NUPT	101	Overview of Nuclear Energy	2
NUPT	103	Nuclear Mathematics Fundamentals	3
NUPT	105	Classical Physics	4
NUPT	107	Engineering Drawings, Diagrams, Schematics	3
<b>Total Credits</b>			<b>12</b>

## 2nd Semester (Spring Only)

### Prescribed Technical Program Requirements

NUPT	113	Mechanical Science	3
NUPT	215	Nuclear Plant Chemistry	3
NUPT	109	Electrical Science	4
NUPT	213	Nuclear Physics	3
<b>Total Credits</b>			<b>13</b>

## 3rd Semester (Fall Only)

### Prescribed Technical Program Requirements

NUPT	217	Heat Transfer, Fluid Flow & Thermodynamics	4
NUPT	111	Instrumentation & Control	4
NUPT	221	Science of Radiological Protection	3
NUPT	219	Material Science	3
<b>Total Credits</b>			<b>14</b>

## 4th Semester (Spring Only)

### Prescribed Technical Program Requirements

NUPT	220	Reactor Theory	2
NUPT	225	Nuclear Plant Sys. Comp., Design & Function	4
NUPT	223	Reactor Safety Design	3
NUPT	227	Conduct of Facility Operations	4
<b>Total Credits</b>			<b>13</b>

## General Education Requirements

Select four credits of general education courses in two areas of study.

1.		4
2.		
<b>Total Credits</b>		<b>4</b>

\* 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

- 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 Prescribed Technical Program GPA

- Completed prescribed technical program requirements
- Cleared all college obligations
- Filed an Application for Degree

Programs containing 45 or more credits:

- 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.	
_____	3	* ACCT 200	_____	3	ENGL 110	_____	1	MUSC 145
_____	3	* ACCT 201	_____	3	ENGL 120	_____	1	MUSC 146
_____	3	ART 110	_____	3	ENGL 125	_____	3	* NUTR 240
_____	3	ART 122	_____	3	ENGL 211	_____	3	PHIL 101
_____	3	ART 124	_____	3	ENGL 221	_____	3	PHIL 210
_____	3	ART 130	_____	3	* ENGL 222	_____	3	PHIL 220
_____	3	ART 210	_____	3	ENGL 233	_____	3	PHIL 250
_____	3	ART 211	_____	3	ENGL 236	_____	3	PHIL 253
_____	3	ART 220	_____	3	ENGL 238	_____	3/1	PHYS 100
_____	3	ART 221	_____	3	ENGL 251	_____	3/1	PHYS 110
_____	3	ART 230	_____	3	ENGL 252	_____	3/1	PHYS 211
_____	3	ART 250	_____	3	ENGL 261	_____	3/1	PHYS 212
_____	3	ART 251	_____	3	ENGL 262	_____	4/1	PHYS 251
_____	2	ART 265	_____	3	ENGL 278	_____	4/1	PHYS 252
_____	2	ART 266	_____	3/1	GEOG 121	_____	2/1	PLSC 110
_____	3/1	ASTR 150	_____	3/1	GEOL 102	_____	3	POLS 115
_____	3	* BADM 202	_____	3/1	GEOL 105	_____	3	POLS 116
_____	3	* BADM 210	_____	3	GIS 105	_____	3	POLS 220
_____	3	* BADM 240	_____	3	* GIS 107	_____	3	PSYC 111
_____	3	* BADM 281	_____	3	HIST 101	_____	3	* PSYC 211
_____	3	* BADM 282	_____	3	HIST 102	_____	3	PSYC 250
_____	1	* BIOL 102	_____	3	HIST 103	_____	3	* PSYC 261
_____	3	BIOL 109	_____	3	HIST 104	_____	3	PSYC 270
_____	3/1	BIOL 111	_____	3	HIST 220	_____	3	RELS 120
_____	3/1	BIOL 115	_____	3	HIST 222	_____	3	RELS 201
_____	3	BIOL 124	_____	3	HIST 224	_____	3	RELS 203
_____	3/1	BIOL 126	_____	3	HIST 225	_____	3	RELS 220
_____	3/1	BIOL 150	_____	1-3	* HIST 243	_____	3	RELS 230
_____	3/1	BIOL 151	_____	3	HUMS 210	_____	3/1	SCNC 101
_____	3/1	BIOL 220	_____	1-4	HUMS 211	_____		
_____	3/1	BIOL 221	_____	2	HUMS 212	_____	3/1	SCNC 102
_____	3/1	BIOL 250	_____	4	MATH 103	_____		
_____	3/1	BIOL 251	_____	3	MATH 104	_____	3/1	SCNC 103
								Applied Music
								Applied Music - Major
								Principles of Nutrition
								Introduction to Philosophy
								Ethics
								Introduction to Logic
								Philosophy in Cinema
								Environmental Ethics
								Concepts of Physics/Lab
								Introductory Astronomy/Lab
								College Physics I/Lab
								College Physics II/Lab
								University Physics I/Lab
								University Physics II/Lab
								World Food Crops/Lab
								American Government
								State and Local Government
								International Politics
								Introduction to Psychology
								Introduction to Behavior Modification
								Developmental Psychology
								Psychology of Adjustment
								Abnormal Psychology
								Religion in America
								Life and Letters of Paul
								World Religions
								Old Testament
								New Testament
								Physical Science I/Lab
								(Biology & Chemistry)
								Physical Science II/Lab
								(Physics & Geology)
								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: \_\_\_\_\_

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