Name: _____ **Date:** _____

Nuclear Power Technology

Associate in Applied Science

Advising Worksheet* 2024-2025

Non-License Operator Track	
Prescribed Technical Program Total	52
General Education Total	15
Total Degree Credits	**67**

1st Semester (Fall Only) -Non-License Operator Track only

Prescribed Technical Program Requirements			
NUPT	101	Overviw of Nuclear Energy	2
NUPT	103	Nuclear Mathematics Fundamentals	3
NUPT	105	Classical Physics	4
NUPT	107	Engineering Drawings, Diagrams, Schematics	3
		Total Credits	**12**

2nd Semester (Spring Only) - Non-License Operator Track

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
		Total Credits	**13**

3rd Semester (Fall Only) - Non-License Operator Track

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
		Total Credits	**14**

4th Semester (Spring Only) - Non-License Operator Track

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
		Total Credits	**13**

General Education Requirements

Arts & Humanities/Social & Behavioral Sciences			
1.			3
Business, Math, or Science			
1.			3
Technology (Select one course.)			
CSCI	101	Introduction to Computers	3
CIS	147	Principles of Network Security	
Communications I			
ENGL	110	College Composition I (Required)	3
Communications II (Select one course.)			
ENGL	120	College Composition II	3
ENGL	125	Introduction to Professional Writing	
COMM	110	Fundamentals of Public Speaking	
		Total Credits	**15**

Advisor: _____

Office: _____

Phone: _____

General Education Requirements

Category I: COMMUNICATIONS

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	Intro to Professional Writing	☐
	3	COMM 110	Fund. of Public Speaking	☐

Transfer Course _____ ☐

Legend
(*) Course not approved as GERTA

General Education Requirements Continued

Category II: ARTS & HUMANITES/SOCIAL & BEHAVIORAL SCIENCES

Completed_____ Needed_____

(3 Credits)

Highlighted Courses Preferred

Gr.	Cr.			
	3	ECON 201	Principles of Microeconomics	
	3	HIST 103	United States to 1877	
	3	PSYC 111	Intro to Psychology	
	3	SOC 110	Intro to Sociology	
	3	ART 110	Intro to the Visual Art	
	3	ART 122	Two Dimensional Design	
	3	ART 124	Three Dimensional Design	
	3	ART 130	Drawing I	
	3	ART 210	Art History I	
	3	ART 211	Art History II	
	3	ART 220	Painting I	
	3	ART 221	Painting II	
	3	ART 230	Drawing II	
	3	ART 250	Ceramics I	
	3	ART 251	Ceramics II	
	2	ART 265	Sculpture I	

Gr.	Cr.			
	3	ENGL 261	American Literature I	
	3	ENGL 262	American Literature II	
	3	ENGL 278	Alternative Literature	
	3	HIST 101	Western Civilization I	
	3	HIST 102	Western Civilization II	
	3	HIST 104	United States since 1877	
	3	HIST 220	North Dakota History	
	3	HIST 222	History of the Western Frontier	
	3	HIST 224	American Studies I	
	3	HIST 225	American Studies II	
	1-3	* HIST 243	Historical Investigations	
	3	HUMS 210	Integrated Cultural Studies	
	1-4	HUMS 211	Integrated Cultural Excursion	
	2	HUMS 212	Integrated Cultural Enrichment	
	3	MUSC 100	Music Appreciation	
	1	MUSC 117	Concert Choir	
	1	MUSC 118	Chamber Choir	

Gr.	Cr.			
	3	PHIL 250	Philosophy in Cinema	
	3	POLS 115	American Government	
	3	POLS 116	State & Local Government	
	3	POLS 220	International Politics	
	3	* PSYC 211	Intro to Behavior Modification	
	3	PSYC 250	Developmental Psychology	
	3	PSYC 270	Abnormal Psychology	
	3	RELS 120	Religion in America	
	3	RELS 201	Life & Letters of Paul	
	3	RELS 203	World Religions	
	3	RELS 220	Old Testament	
	3	RELS 230	New Testament	
	3	SOC 115	Social Problems	
	3	SOC 220	Family	
	3	SOC 221	Minority Relations	
	3	SOC 235	Cultural Diversity	
	3	SOC 251	Gerontology	

Gr.	Cr.			
	2		ART 266	Sculpture II
	3		CJ 201	Intro to Criminal Justice
	3		COMM 211	Oral Interpretation
	3	*	COMM 212	Interpersonal Communications
	3		ECON 105	Elements of Economics
	3		ECON 202	Principles of Macroeconomics
	3		ENGL 211	Intro to Creative Writing
	3		ENGL 221	Intro to Drama
	3		ENGL 222	Intro to Poetry
	3		ENGL 233	Fantasy & Science Fiction
	3		ENGL 236	Women & Literature
	3		ENGL 238	Children's Literature
	3		ENGL 251	British Literature I
	3		ENGL 252	British Literature II

Gr.	Cr.			
	1		MUSC 121	String Ensemble
	1		MUSC 132	Wind Ensemble
	1		MUSC 133	Woodwind Ensemble I
	1		MUSC 134	Woodwind Ensemble II
	1		MUSC 135	Brass Ensemble I
	1		MUSC 136	Brass Ensemble II
	1		MUSC 137	Jazz Ensemble
	1	*	MUSC 138	Percussion Ensemble
	1		MUSC 145	Applied Music
	1		MUSC 146	Applied Music - Major
	3		PHIL 101	Intro to Philosophy
	3		PHIL 210	Ethics
	3		PHIL 220	Intro to Logic

Gr.	Cr.			
	3		SOC 252	Criminology
	3		SOC 275	American Indian Studies
	4		SPAN 101	First Year Spanish I
	4		SPAN 102	First Year Spanish II
	4		SPAN 201	Second Year Spanish I
	4		SPAN 202	Second Year Spanish II
	3		SWK 256	Development of Social Welfare
	3		THEA 110	Intro to Theatre Arts
	3		THEA 161	Acting I
	3		THEA 261	Acting II

General Education Requirements Continued

Category III: BUSINESS, MATH, or SCIENCE

Completed_____ Needed_____

(3 Credits)

Highlighted Courses Preferred

Gr.	Cr.			
	3	*	MATH 137	Applied Algebra
	3		MATH 210	Elementary Statistics
	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 Mgmt
	1	*	BIOL 102	Intro to Aquarium Keeping
	3		BIOL 109	Living World
	3/1		BIOL 111	Concepts of Biology/Lab
	3/1		BIOL 115	Human Structure & Function/Lab
	3		BIOL 124	Environmental Science
	3/1		BIOL 126	Human Biology/Lab
	3/1		BIOL 150	General Biology I/Lab
	3/1		BIOL 151	General Biology II/Lab
	3/1		BIOL 220	Anatomy & Physiology I/Lab
	3/1		BIOL 221	Anatomy & Physiology II/Lab
	3/1		BIOL 250	Survey-Tropical Biology/Lab
	3/1		BIOL 251	Community Ecology/Lab

Gr.	Cr.			
	3/1		BOT 170	Plant Form & Diversity/Lab
	3	*	BUSN 120	Fundamentals of Business
	3/1		CHEM 110	Survey of Chemistry/Lab
			CHEM 112	Intro to Forensic Science/Lab
			CHEM 114	Chemistry in Art/Lab
			CHEM 115	Introductory Chemistry/Lab
			CHEM 116	Intro to Organic & Biochemistry/Lab
			CHEM 121	General Chemistry I/Lab
			CHEM 122	General Chemistry II/Lab
			GEOG 121	Physical Geography/Lab
			GEOL 102	Historical Geology/Lab
			GEOL 105	Physical Geology/Lab
			GIS 105	Fundamentals of GIS
			GIS 107	GIS Applications
			MATH 103	College Algebra
			MATH 104	Finite Math
			MATH 105	Trigonometry
	4		MATH 107	Pre-Calculus
	3		MATH 146	Applied Calculus I
	4		MATH 165	Calculus I
	4		MATH 166	Calculus II
	3	*	MATH 208	Discrete Mathematics
	4	*	MATH 277	Math for Elementary Teachers I

Gr.	Cr.			
	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	Intro to 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
	3/1		SCNC 101	Physical Science I/Lab Biology & Chemistry
	3/1		SCNC 102	Physical Science II/Lab Physics & Geology
	3/1		SCNC 103	Physical Science III/Lab Astronomy & Meteorology
	2/1	*	SOIL 210	Intro to Soil Science/Lab

Transfer Courses

Transfer Courses

Transfer Courses

Academic Skills Courses (ASC)

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