

Name: _____ Date: _____

ID: _____



Power Generation Technology
Associate in Applied Science
2024-2025

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

Semester I **Completed**

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

Semester II **Completed**

Prescribed Technical Program Requirements			
ENRT	112	Print Reading	3
ENRT	104	Electrical Fundamentals	3
ENRT	116	Instrumentation & Control	4
ENRT	224	Automation & Control	3
Total Credits			13

Semester III **Completed**

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	Oper., Troubleshooting & Communications	3
Total Credits			12

Semester IV **Completed**

Prescribed Technical Program Requirements			
PWRP	207	Boilers & Environmental Protection	3
ENRT	221	Applied Electronics	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 **Completed**

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	3
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	3
COMM	110	Fundamentals of Public Speaking	3
Total Credits			15

General Education Requirements

Category I: COMMUNICATIONS

Completed _____ Needed _____

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

General Education Requirements Continued

Category II: ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

Completed _____ Needed _____

(3 Credits)

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
_____	3	Highlighted Courses Preferred	_____	3	ENGL 261	_____	3	PHIL 250
_____	3	ECON 201	_____	3	ENGL 262	_____	3	POLS 115
_____	3	HIST 103	_____	3	ENGL 278	_____	3	POLS 116
_____	3	PSYC 111	_____	3	HIST 101	_____	3	POLS 220
_____	3	SOC 110	_____	3	HIST 102	_____	3	* PSYC 211
_____	3	ART 110	_____	3	HIST 104	_____	3	PSYC 250
_____	3	ART 122	_____	3	HIST 220	_____	3	PSYC 270
_____	3	ART 124	_____	3	HIST 222	_____	3	RELS 120
_____	3	ART 130	_____	3	HIST 224	_____	3	RELS 201
_____	3	ART 210	_____	3	HIST 225	_____	3	RELS 203
_____	3	ART 211	_____	1-3	* HIST 243	_____	3	RELS 220
_____	3	ART 220	_____	3	HUMS 210	_____	3	RELS 230
_____	3	ART 221	_____	1-4	HUMS 211	_____	3	SOC 115
_____	3	ART 230	_____	2	HUMS 212	_____	3	SOC 220
					American Literature I			Philosophy in Cinema
					American Literature II			American Government
					Alternative Literature			State & Local Government
					Western Civilization I			International Politics
					Western Civilization II			Intro to Behavior Modification
					United States since 1877			Developmental Psychology
					North Dakota History			Abnormal Psychology
					History of the Western Frontier			Religion in America
					American Studies I			Life & Letters of Paul
					American Studies II			World Religions
					Historical Investigations			Old Testament
					Integrated Cultural Studies			New Testament
					Integrated Cultural Excursion			Social Problems
					Integrated Cultural Enrichment			Family

_____	3	ART 250	Ceramics I	_____	3	MUSC 100	Music Appreciation	_____	3	SOC 221	Minority Relations
_____	3	ART 251	Ceramics II	_____	1	MUSC 117	Concert Choir	_____	3	SOC 235	Cultural Diversity
_____	2	ART 265	Sculpture I	_____	1	MUSC 118	Chamber Choir	_____	3	SOC 251	Gerontology
_____	2	ART 266	Sculpture II	_____	1	MUSC 121	String Ensemble	_____	3	SOC 252	Criminology
_____	3	CJ 201	Intro to Criminal Justice	_____	1	MUSC 132	Wind Ensemble	_____	3	SOC 275	American Indian Studies
_____	3	COMM 211	Oral Interpretation	_____	1	MUSC 133	Woodwind Ensemble I	_____	4	SPAN 101	First Year Spanish I
_____	3	* COMM 212	Interpersonal Communications	_____	1	MUSC 134	Woodwind Ensemble II	_____	4	SPAN 102	First Year Spanish II
_____	3	ECON 105	Elements of Economics	_____	1	MUSC 135	Brass Ensemble I	_____	4	SPAN 201	Second Year Spanish I
_____	3	ECON 202	Principles of Macroeconomics	_____	1	MUSC 136	Brass Ensemble II	_____	4	SPAN 202	Second Year Spanish II
_____	3	ENGL 211	Intro to Creative Writing	_____	1	MUSC 137	Jazz Ensemble	_____	3	SWK 256	Development of Social Welfare
_____	3	ENGL 221	Intro to Drama	_____	1	* MUSC 138	Percussion Ensemble	_____	3	THEA 110	Intro to Theatre Arts
_____	3	ENGL 222	Intro to Poetry	_____	1	MUSC 145	Applied Music	_____	3	THEA 161	Acting I
_____	3	ENGL 233	Fantasy & Science Fiction	_____	1	MUSC 146	Applied Music - Major	_____	3	THEA 261	Acting II
_____	3	ENGL 236	Women & Literature	_____	3	PHIL 101	Intro to Philosophy				
_____	3	ENGL 238	Children's Literature	_____	3	PHIL 210	Ethics				
_____	3	ENGL 251	British Literature I	_____	3	PHIL 220	Intro to Logic				
_____	3	ENGL 252	British Literature II								

General Education Requirements Continued

Category III: BUSINESS, MATH, or SCIENCE

Completed _____ Needed _____

(3 Credits)

Gr.	Cr.			Gr.	Cr.			Gr.	Cr.		
		Highlighted Courses Preferred									
_____	3	* MATH 137	Applied Algebra	_____	3/1	BOT 170	Plant Form & Diversity/Lab	_____	3/1	MICR 202	Introductory Microbiology/Lab
_____	3	MATH 210	Elementary Statistics	_____	3	* BUSN 120	Fundamentals of Business	_____	3	* NUTR 240	Principles of Nutrition
_____	3	* ACCT 200	Elements of Accounting I	_____	3/1	CHEM 110	Survey of Chemistry/Lab	_____	3/1	PHYS 100	Concepts of Physics/Lab
_____	3	* ACCT 201	Elements of Accounting II	_____		CHEM 112	Intro to Forensic Science/Lab	_____	3/1	PHYS 110	Intro to Astronomy/Lab
_____	3/1	ASTR 150	Meteorology/Lab	_____		CHEM 114	Chemistry in Art/Lab	_____	3/1	PHYS 211	College Physics I/Lab
_____	3	* BADM 202	Principles of Management	_____		CHEM 115	Introductory Chemistry/Lab	_____	3/1	PHYS 212	College Physics II/Lab
_____	3	* BADM 210	Advertising I	_____		CHEM 116	Intro to Organic & Biochemistry/Lab	_____	4/1	PHYS 251	University Physics I/Lab
_____	3	* BADM 240	Sales	_____		CHEM 121	General Chemistry I/Lab	_____	4/1	PHYS 252	University Physics II/Lab
_____	3	* BADM 281	Organizational Behavior	_____		CHEM 122	General Chemistry II/Lab	_____	2/1	PLSC 110	World Food Crops/Lab
_____	3	* BADM 282	Human Resource Mgmt	_____		GEOG 121	Physical Geography/Lab	_____	3/1	SCNC 101	Physical Science I/Lab
_____	1	* BIOL 102	Intro to Aquarium Keeping	_____		GEOG 102	Historical Geology/Lab	_____			Biology & Chemistry
_____	3	BIOL 109	Living World	_____		GEOG 105	Physical Geology/Lab	_____	3/1	SCNC 102	Physical Science II/Lab
_____	3/1	BIOL 111	Concepts of Biology/Lab	_____		GIS 105	Fundamentals of GIS	_____			Physics & Geology
_____	3/1	BIOL 115	Human Structure & Function/Lab	_____		GIS 107	GIS Applications	_____	3/1	SCNC 103	Physical Science III/Lab
_____	3	BIOL 124	Environmental Science	_____		MATH 103	College Algebra	_____			Astronomy & Meteorology
_____	3/1	BIOL 126	Human Biology/Lab	_____		MATH 104	Finite Math	_____	2/1	* SOIL 210	Intro to Soil Science/Lab
_____	3/1	BIOL 150	General Biology I/Lab	_____		MATH 105	Trigonometry				
_____	3/1	BIOL 151	General Biology II/Lab	_____	4	MATH 107	Pre-Calculus				
_____	3/1	BIOL 220	Anatomy & Physiology I/Lab	_____	3	MATH 146	Applied Calculus I				
				_____	4	MATH 165	Calculus I				

3/1 BIOL 221 Anatomy & Physiology II/Lab
3/1 BIOL 250 Survey-Tropical Biology/Lab
3/1 BIOL 251 Community Ecology/Lab

_____ 4 MATH 166 Calculus II
_____ 3 * MATH 208 Discrete Mathematics
_____ 4 * MATH 277 Math for Elementary Teachers I