

Name: _____ Date: 3/20/2024

ID: _____



Electrical Transmission Systems Technology

Associate in Applied Science
Unofficial Advising Worksheet* 2024-2025

Prescribed Technical Program Total	51
General Education Total	15
Total Degree Credits	66

Semester I (Fall/Spring)	Completed
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Prescribed Technical Program Requirements			
ETST	240	Power Industry Concepts	3
ENRT	106	DC Fundamentals (also offered in summer)	2
ENRT	108	AC Fundamentals (also offered in summer)	3
ETST	250	Electrical Generation Theory	4
Total Credits			12

Semester II (Fall/Spring)	Completed
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Prescribed Technical Program Requirements			
ETST	254	Substations	3
ETST	256	Transformers	3
ETST	258	Protective Relaying	4
ETST	260	Electrical Diagram Interpretation	2
Total Credits			12

Semester III (Fall/Spring)	Completed
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Prescribed Technical Program Requirements			
ETST	262	Power System Operations	3
ETST	266	Interconnected System Operations	3
ETST	268	Power Flow	3
ETST	270	System Operator Work Practices	3
Total Credits			12

Semester IV (Fall/Spring)	Completed
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Prescribed Technical Program Requirements			
ETST	272	Power System Safety	3
ETST	274	SCADA Systems and Communication	3
ETST	276	Power System Economics	3
ETST	278	Power System Emergency Concepts	3
ETST	280	Reliability Policies & Procedures	3
Total Credits			15

General Education Requirements	Completed
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Arts & Humanities/Social & Behavioral Sciences			
1.		3	
Business, Math, Science & Technology (Two areas of study required)			
1.		3	
2.		3	
Communications I			
ENGL	110	College Composition I (Required)	3
Communications II (Select one course.)			
ENGL	120	College Composition II (Prerequisite: ENGL 110)	
ENGL	125	Intro to Professional Writing (Prerequisite: ENGL 110)	3
COMM	110	Fundamentals of Public Speaking	15
Digital Literacy Requirement			
CSCI	101	Introduction to Computers*	3

*Unofficial advising worksheet used for planning purposes only

Associate of Applied Science General Education Requirements

Preferred General Education courses highlighted

WRITTEN OR ORAL COMMUNICATIONS

(3 Credits) - ENGL 110

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

Transfer Course

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

Gr.	Cr.	ENGL 125	COMM 110
_____	3	ENGL 120	College Composition II
_____	3	ENGL 125	Introduction to Professional Writing
_____	3	COMM 110	Fundamentals of Public Speaking

Transfer Course

ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

(3 Credits)

Gr.	Cr.		Gr.	Cr.	
_____	3	ANTH 170	_____	3	GEOG 161
_____	3	ANTH 171	_____	3	GEOG 262
_____	3	ART 110	_____	3	HIST 101
_____	3	ART 122	_____	3	HIST 102
_____	3	ART 124	_____	3	HIST 103
_____	3	ART 130	_____	3	HIST 104
_____	3	ART 210	_____	3	HIST 105
_____	3	ART 211	_____	3	HIST 106
_____	3	ART 220	_____	3	HIST 220
_____	3	ART 221	_____	3	HIST 222
_____	3	ART 230	_____	3	HIST 224
_____	3	ART 250	_____	3	HIST 225
_____	3	ART 251	_____	3	HIST 226
_____	2	ART 265	_____	1-3	HIST 243
_____	2	ART 266	_____	3	HUMS 210
_____	3	CIS 280	_____	1-3	HUMS 211
_____	3	CJ 201	_____	2	HUMS 212
_____	3	COMM 112	_____	3	MUSC 100
_____	3	COMM 211	_____	1	MUSC 117
_____	3	COMM 212	_____	1	MUSC 118
_____	3	COMM 214	_____	1	MUSC 121
_____	3	ECON 105	_____	1	MUSC 132
_____	3	ECON 201	_____	1	MUSC 133
_____	3	ECON 202	_____	1	MUSC 134
_____	3	ENGL 211	_____	1	MUSC 135
_____	3	ENGL 222	_____	1	MUSC 136
_____	3	ENGL 233	_____	1	MUSC 137
_____	3	ENGL 236	_____	1	MUSC 138
_____	3	ENGL 238	_____	1	MUSC 145
_____	3	ENGL 251	_____	1	MUSC 146
_____	3	ENGL 252	_____	3	MUSC 201
_____	3	ENGL 261	_____	3	PHIL 101
_____	3	ENGL 262	_____	3	PHIL 210
_____	3	ENGL 278	_____	3	PHIL 220
_____			_____	3	PHIL 250
					World Regional Geography
					Geography of North America
					Western Civilization I
					Western Civilization II
					United States to 1877
					United States Since 1877
					World Civilizations to 1500
					World Civilizations since 1500
					North Dakota History
					History of the Western Frontier
					American Studies I
					American Studies II
					Topics in History
					Historical Investigations
					Integrated Cultural Studies
					Integrated Cultural Excursion
					Integrated Cultural Enrichment
					Music Appreciation
					Concert Choir
					Chamber Choir
					String Ensemble
					Wind Ensemble
					Woodwind Ensemble I
					Woodwind Ensemble II
					Brass Ensemble I
					Brass Ensemble II
					Jazz Ensemble
					Percussion Ensemble
					Applied Music
					Applied Music - Major
					World Music
					Introduction to Philosophy
					Ethics
					Introduction to Logic
					Philosophy in Cinema

BUSINESS, MATH, SCIENCE & TECHNOLOGY

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

Gr.	Cr.		Gr.	Cr.	
_____	3	ACCT 200 Elements of Accounting I	_____	3/1	CHEM 112 Introduction to Forensic Science/Lab
_____	3	ACCT 201 Elements of Accounting II	_____	3/1	CHEM 114 Chemistry in Art/Lab
_____	3/1	ATSC 110 Meteorology/Lab	_____		CHEM 115 Introductory Chemistry/Lab
_____	3	BADM 202 Principles of Management	_____		CHEM 116 Intro to Organic and Biochemistry/Lab
_____	3	BADM 210 Advertising I	_____		CHEM 121 General Chemistry I/Lab
_____	3	BADM 240 Sales	_____		CHEM 122 General Chemistry II/Lab
_____	3	BADM 281 Organizational Behavior	_____		CIS 147 Principles of Information Security
_____	3	BADM 282 Human Resource Management	_____		CIS 164 Networking Fundamentals I
_____	1	BIOL 102 Introduction to Aquarium Keeping	_____		CSCI 101 Introduction to Computers
_____	3	BIOL 109 The Living World	_____	3	CSCI 122 Beginning Visual Basic
_____	3/1	BIOL 111 Concepts of Biology/Lab	_____	4	CSCI 160 Computer Science I
_____	3/1	BIOL 115 Concepts of Anatomy & Physiology/Lab	_____	4	CSCI 161 Computer Science II
_____	3	BIOL 124 Environmental Science	_____	3/1	GEOG 121 Physical Geography/Lab
_____	3/1	BIOL 125 Introduction to Ecology/Lab	_____	3/1	GEOL 102 Historical Geology/Lab
_____	3/1	BIOL 150 General Biology I/Lab	_____	3/1	GEOL 105 Physical Geology/Lab
_____	3/1	BIOL 151 General Biology II/Lab	_____	3	GIS 105 Fundamentals of GIS
_____	3/1	BIOL 170 General Zoology/Lab	_____	3	GIS 107 GIS Applications
_____	3/1	BIOL 220 Anatomy and Physiology I/Lab	_____	4	MATH 103 College Algebra
_____	3/1	BIOL 221 Anatomy and Physiology II/Lab	_____	3	MATH 104 Finite Mathematics
_____	3/1	BOT 170 Plant Form and Diversity/Lab	_____	2	MATH 105 Trigonometry
_____	3	BUSN 120 Fundamentals of Business	_____	4	MATH 107 Pre-Calculus
_____	3/1	CHEM 110 Survey of Chemistry/Lab			

DIGITAL LITERACY

(3 Credits) Course listed as both general education and digital literacy may satisfy both requirements.

Gr.	Cr.	
_____	3	CSCI 101 Introduction to Computers
_____	3	CIS 147 Principles of Information Security
_____		Bismarck State College Approved Training Course

*This advising worksheet is unofficial and to be used for class planning purposes only. Please refer to the official catalog at <http://catalog.bismarckstate.ed>



Completed _____ Needed _____

Completed _____ Needed _____

Gr.	Cr.		
_____	3	PHIL 253	Environmental Ethics
_____	3	POLS 115	American Government
_____	3	POLS 116	State and Local Government
_____	3	POLS 220	International Politics
_____	3	POLS 240	Political Ideologies
_____	3	PSYC 100	Human Relations In Organizations
_____	3	PSYC 111	Introduction to Psychology
_____	3	PSYC 211	Introduction to Behavior Modification
_____	3	PSYC 250	Developmental Psychology
_____	3	PSYC 261	Psychology of Adjustment
_____	3	PSYC 270	Abnormal Psychology
_____	3	RELS 120	Religion in America
_____	3	RELS 201	Life and Letters of Paul
_____	3	RELS 203	World Religions
_____	3	RELS 220	Old Testament
_____	3	RELS 230	New Testament
_____	3	SOC 110	Introduction to Sociology
_____	3	SOC 115	Social Problems
_____	3	SOC 220	Family
_____	3	SOC 221	Minority Relations
_____	3	SOC 235	Cultural Diversity
_____	3	SOC 251	Gerontology
_____	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	Introduction to Theatre Arts
_____	3	THEA 161	Acting I
_____	3	THEA 180	Dramatic Literature and Style I
_____	3	THEA 181	Dramatic Literature and Style II
_____	3	THEA 261	Acting II

Transfer Courses

Completed _____ **Needed** _____

Gr.	Cr.		
_____	3	MATH 137	Applied Algebra
_____	3	MATH 146	Applied Calculus I
_____	4	MATH 165	Calculus I
_____	3	MATH 210	Elementary Statistics
_____	4	MATH 277	Mathematics for Elementary Teachers I
_____	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	Introductory Astronomy/Lab
_____	4/1	PHYS 211	College Physics I/Lab
_____	4/1	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	Introduction to Soil Science/Lab

Transfer Courses

Completed _____ **Needed** _____

u/ for the complete listing of college degree requirements.