

Name: \_\_\_\_\_ Date: 3/20/24 ID: \_\_\_\_\_



## Electronics/Telecommunications Technology

Associate in Applied Science  
Advising Worksheet\* 2024-2025

Prescribed Technical Program	58
General Education	16-17
<b>Total Degree Credits</b>	<b>74-75</b>

### 1st Year Fall Semester

Prescribed Technical Program Requirements			
ELEC	100/100L	Direct Current Analysis/Lab	5
ELEC	114/114L	Digital Electronics I/Lab	4
ELEC	118/118L	Solid State Devices I/Lab	5
General Education Course			
<b>Business, Math, Science &amp; Technology</b> (Select one of the following)			3
MATH	137	Applied Algebra	
MATH	210	Elementary Statistics	
<b>Total Credits</b>			<b>17</b>

### 1st Year Spring Semester

Prescribed Technical Program Requirements			
ELEC	115/115L	Digital Electronics II/Lab	4
ELEC	120/120L	AC Analysis/Lab	5
ELEC	130/130L	Active Devices/Lab	5
General Education Courses			
<b>Written or Oral Communications</b>			
ENGL	110	College Composition I (Required)	3
<b>Arts &amp; Humanities/Social &amp; Behavioral Sciences</b>			
1.			3
<b>Total Credits</b>			<b>20</b>

### 2nd Year Fall Semester

Prescribed Technical Program Requirements			
ELEC	216/216L	Digital Electronics III/Lab	5
ELEC	222/222L	Electronic Communications I/Lab	5
ELEC	232/232L	Telecommunications I/Lab	5
General Education Course			
<b>Business, Math, Science &amp; Technology</b>			
CIS	164	Networking Fundamentals I (Required)	4
<b>Total Credits</b>			<b>19</b>

### 2nd Year Spring Semester

Prescribed Technical Program Requirements			
ELEC	218/218L	Digital Electronics IV/Lab	5
ELEC	224/224L	Electronic Communications II/Lab	5
ELEC	234/234L	Telecommunications II/Lab	5
General Education Course			
<b>Written or Oral Communications</b> (Select one of the following)			
ENGL	120	College Composition II	
ENGL	125	Introduction to Professional Writing	3
COMM	110	Fundamentals of Public Speaking	
<b>Total Credits</b>			<b>18</b>

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CSCI	101	Introduction to Computers*	3
CIS	147	Principles of Information Technology*	

\*Courses approved to meet Digital Literacy Requirement of all degrees

\*Course listed as both General Education and Digital Literacy may satisfy both require





# Associate of Applied Science General Education Requirements

Preferred General Education courses highlighted

## WRITTEN OR ORAL COMMUNICATIONS

(3 Credits) - ENGL 110

Gr.	Cr.		
_____	3	ENGL 110	College Composition I

Transfer Course

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

Gr.	Cr.		
_____	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	Physical Anthropology and Archeology	_____	3	GEOG 161	World Regional Geography
_____	3	ANTH 171	Introduction to Cultural Anthropology	_____	3	GEOG 262	Geography of North America
_____	3	ART 110	Introduction to the Visual Arts	_____	3	HIST 101	Western Civilization I
_____	3	ART 122	Two-Dimensional Design	_____	3	HIST 102	Western Civilization II
_____	3	ART 124	Three-Dimensional Design	_____	3	HIST 103	United States to 1877
_____	3	ART 130	Drawing I	_____	3	HIST 104	United States Since 1877
_____	3	ART 210	Art History I	_____	3	HIST 105	World Civilizations to 1500
_____	3	ART 211	Art History II	_____	3	HIST 106	World Civilizations since 1500
_____	3	ART 220	Painting I	_____	3	HIST 220	North Dakota History
_____	3	ART 221	Painting II	_____	3	HIST 222	History of the Western Frontier
_____	3	ART 230	Drawing II	_____	3	HIST 224	American Studies I
_____	3	ART 250	Ceramics I	_____	3	HIST 225	American Studies II
_____	3	ART 251	Ceramics II	<b>Digital Literacy Requirement</b>			
_____	2	ART 265	Sculpture I	_____	3	CSCI 101 Int	
_____	2	ART 266	Sculpture II	_____	3	CIS 147 Pri	
_____	3	CIS 280	Cyber Ethics	*Courses approved to meet Digital Literacy Requirement of all degrees			
_____	3	CJ 201	Introduction to Criminal Justice	*Course listed as both General Education and Digital Literacy may satisfy			
_____	3	COMM 112	Understanding Media and Social Change	_____	3	MUSC 100	Music Appreciation
_____	3	COMM 211	Oral Interpretation	_____	1	MUSC 117	Concert Choir
_____	3	COMM 212	Interpersonal Communications	_____	1	MUSC 118	Chamber Choir
_____	3	COMM 214	Persuasive Speaking	_____	1	MUSC 121	String Ensemble
_____	3	ECON 105	Elements of Economics	_____	1	MUSC 132	Wind Ensemble
_____	3	ECON 201	Principles of Microeconomics	_____	1	MUSC 133	Woodwind Ensemble I
_____	3	ECON 202	Principles of Macroeconomics	_____	1	MUSC 134	Woodwind Ensemble II
_____	3	ENGL 211	Introduction to Creative Writing	_____	1	MUSC 135	Brass Ensemble I
_____	3	ENGL 222	Introduction to Poetry	_____	1	MUSC 136	Brass Ensemble II
_____	3	ENGL 233	Fantasy and Science Fiction	_____	1	MUSC 137	Jazz Ensemble
_____	3	ENGL 236	Women and Literature	_____	1	MUSC 138	Percussion Ensemble
_____	3	ENGL 238	Children's Literature	_____	1	MUSC 145	Applied Music
_____	3	ENGL 251	British Literature I	_____	1	MUSC 146	Applied Music - Major
_____	3	ENGL 252	British Literature II	_____	3	MUSC 201	World Music
_____	3	ENGL 261	American Literature I	_____	3	PHIL 101	Introduction to Philosophy
_____	3	ENGL 262	American Literature II	_____	3	PHIL 210	Ethics
_____	3	ENGL 278	Alternative Literature	_____	3	PHIL 220	Introduction to Logic
_____				_____	3	PHIL 250	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

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Completed \_\_\_\_\_ Needed \_\_\_\_\_

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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	<b>PSYC 111</b>	<b>Introduction to Psychology</b>
_____	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
_____	y both	<b>SOC 110</b>	<b>Introduction to Sociology</b>
_____	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

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**Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

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Gr.	Cr.		
_____	3	<b>MATH 137</b>	<b>Applied Algebra</b>
_____	3	MATH 146	Applied Calculus I
_____	4	MATH 165	Calculus I
_____	3	<b>MATH 210</b>	<b>Elementary Statistics</b>
_____	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

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**Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

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u/ for the complete listing of college degree requirements.