

Name: _____ Date: _____

Unofficial advising worksheet used for planning purposes only



Industrial Automation Technician
Associate in Applied Science
Advising Worksheet* 2024-2025

Prescribed Technical Program Total	52
General Education Total	15-16
Total Degree Credits	67-68

Semester I offered fall semesters **Completed**

Prescribed Technical Program Requirements			
ESRE	210	Electrical & Safe Work Practices	3
ESRE	216	Mechanical Drive Systems	4
ESRE	213	Hydraulic Fundamentals	3
ESRE	218	Distributed Power Systems	4
Total Credits			14

Semester II offered spring semesters **Completed**

Prescribed Technical Program Requirements			
ENRT	224	Automation & Control	3
ENRT	221	Applied Electronics	3
ESRE	226	Analog PLCs	3
ESRE	228	Technician Applications & Troubleshooting	4
Total Credits			13

Semester III **Completed**

Prescribed Technical Program Requirements			
CAD	201	Fundamentals of Graphical Communication	3
ENRT	105	Safety, Health & Environment	3
ENRT	240	Industrial SCADA	3
INAU	210	Automation Systems	3
Total Credits			12

Semester IV **Completed**

Prescribed Technical Program Requirements			
INAU	230	Industrial Robotics	3
INAU	220	Machine Vision & Identification	3
INAU	240	Integrated Systems, Design & Setup	3
INAU	245	Integrated Systems, Troubleshooting and Quality Control	4
Total Credits			13

General Education Requirements **Completed**

Arts & Humanities/Social & Behavioral Sciences			3
1.			
Business, Math, Science & Technology (Two areas of study)			6-7
1. Math course recommended			
2. *Digital Literacy course recommended			
Communications I			3
ENGL	110	College Composition I (Required)	
Communications II (Select one course)			3
ENGL	120	College Composition II (Prerequisite: ENGL 110)	
ENGL	125	Intro to Professional Writing (Prerequisite: ENGL 110)	
COMM	110	Fundamentals of Public Speaking	
Total Credits			15-16
Digital Literacy (Select one course)			
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 requirements.			

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Associate of Applied Science General Education Requirements

Preferred General Education courses highlighted

WRITTEN OR ORAL COMMUNICATIONS

Completed _____ Needed _____

(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

Completed _____ Needed _____

(3 Credits)

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
_____	3	ANTH 170	_____	3	GEOG 161	_____	3	PHIL 253
_____	3	ANTH 171	_____	3	GEOG 262	_____	3	POLS 115
_____	3	ART 110	_____	3	HIST 101	_____	3	POLS 116
_____	3	ART 122	_____	3	HIST 102	_____	3	POLS 220
_____	3	ART 124	_____	3	HIST 103	_____	3	POLS 240
_____	3	ART 130	_____	3	HIST 104	_____	3	PSYC 100
_____	3	ART 210	_____	3	HIST 105	_____	3	PSYC 111
_____	3	ART 211	_____	3	HIST 106	_____	3	PSYC 211
_____	3	ART 220	_____	3	HIST 220	_____	3	PSYC 250
_____	3	ART 221	_____	3	HIST 222	_____	3	PSYC 261
_____	3	ART 230	_____	3	HIST 224	_____	3	PSYC 270
_____	3	ART 250	_____	3	HIST 225	_____	3	RELS 120
_____	3	ART 251	_____	3	HIST 226	_____	3	RELS 201
_____	2	ART 265	_____	1-3	HIST 243	_____	3	RELS 203
_____	2	ART 266	_____	3	HUMS 210	_____	3	RELS 220
_____	3	CIS 280	_____	1-3	HUMS 211	_____	3	RELS 230
_____	3	CJ 201	_____	2	HUMS 212	_____	3	SOC 110
_____	3	COMM 112	_____	3	MUSC 100	_____	3	SOC 115
_____	3	COMM 211	_____	1	MUSC 117	_____	3	SOC 220
_____	3	COMM 212	_____	1	MUSC 118	_____	3	SOC 221
_____	3	COMM 214	_____	1	MUSC 121	_____	3	SOC 235
_____	3	ECON 105	_____	1	MUSC 132	_____	3	SOC 251
_____	3	ECON 201	_____	1	MUSC 133	_____	3	SOC 252
_____	3	ECON 202	_____	1	MUSC 134	_____	3	SOC 275
_____	3	ENGL 211	_____	1	MUSC 135	_____	4	SPAN 101
_____	3	ENGL 222	_____	1	MUSC 136	_____	4	SPAN 102
_____	3	ENGL 233	_____	1	MUSC 137	_____	4	SPAN 201
_____	3	ENGL 236	_____	1	MUSC 138	_____	4	SPAN 202
_____	3	ENGL 238	_____	1	MUSC 145	_____	3	SWK 256
_____	3	ENGL 251	_____	1	MUSC 146	_____	3	THEA 110
_____	3	ENGL 252	_____	3	MUSC 201	_____	3	THEA 161
_____	3	ENGL 261	_____	3	PHIL 101	_____	3	THEA 180
_____	3	ENGL 262	_____	3	PHIL 210	_____	3	THEA 181
_____	3	ENGL 278	_____	3	PHIL 220	_____	3	THEA 261
			_____	3	PHIL 250	_____		

Transfer Courses

Transfer Courses

Transfer Courses

BUSINESS, MATH, SCIENCE & TECHNOLOGY**Completed****Needed***(6 Credits) Must be satisfied with courses from two areas of study. Area of study is based on course prefix.*

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
3	3	ACCT 200	3/1	3	CHEM 112	3	3	MATH 137
3	3	ACCT 201	3/1	3	CHEM 114	3	3	MATH 146
3/1	3	ATSC 110		3/1	CHEM 115	4	4	MATH 165
3	3	BADM 202			CHEM 116	3	3	MATH 210
3	3	BADM 210			CHEM 121	4	4	MATH 277
3	3	BADM 240			CHEM 122	3/1	3	MICR 202
3	3	BADM 281			CIS 147	3	3	NUTR 240
3	3	BADM 282			CIS 164	3/1	3/1	PHYS 100
1	3	BIOL 102			CSCI 101	3/1	3/1	PHYS 110
3	3	BIOL 109	3	3	CSCI 122	4/1	4/1	PHYS 211
3/1	3	BIOL 111	4	4	CSCI 160	4/1	4/1	PHYS 212
3/1	3/1	BIOL 115	4	4	CSCI 161	4/1	4/1	PHYS 251
3	3	BIOL 124	3/1	3/1	GEOG 121	4/1	4/1	PHYS 252
3/1	3/1	BIOL 125	3/1	3/1	GEOL 102	2/1	2/1	PLSC 110
3/1	3/1	BIOL 150	3/1	3/1	GEOL 105	3/1	3/1	SCNC 101
3/1	3/1	BIOL 151	3	3	GIS 105			
3/1	3/1	BIOL 170	3	3	GIS 107	3/1	3/1	SCNC 102
3/1	3/1	BIOL 220	4	4	MATH 103			
3/1	3/1	BIOL 221	3	3	MATH 104	3/1	3/1	SCNC 103
3/1	3/1	BOT 170	2	2	MATH 105			
3	3	BUSN 120	4	4	MATH 107	2/1 *	2/1 *	SOIL 210
3/1	3/1	CHEM 110						
Transfer Courses			Transfer Courses			Transfer Courses		

DIGITAL LITERACY**Completed****Needed***(3 Credits) Course listed as both general education and digital literacy may satisfy both requirements.*

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

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