



# Instrumentation & Control Technology

Associate in Applied Science

Advising Worksheet\* 2019-2020

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

## Freshman Fall Semester

### Prescribed Technical Program Requirements

ELEC	100/100L	Direct Current Analysis/Lab	5
ELEC	118/118L	Solid State Devices I/Lab	5
ELEC	114/114L	Digital Electronics I/Lab	4
<b>Total Credits</b>			<b>14</b>

## Freshman Spring Semester

### Prescribed Technical Program Requirements

ELEC	130/130L	Active Devices/Lab	5
ELEC	120/120L	AC Analysis/Lab	5
ELEC	115/115L	Digital Electronics II/Lab	4
<b>Total Credits</b>			<b>14</b>

## Sophomore Fall Semester

### Prescribed Technical Program Requirements

ICTL	205/205L	Mechanical Practices/Lab	5
ICTL	215/215L	Instrument Drawings & Documentation/Lab	5
ICTL	225/225L	Input & Output Devices/Lab	5
<b>Total Credits</b>			<b>15</b>

## Sophomore Spring Semester

### Prescribed Technical Program Requirements

ICTL	235/235L	Motors & Controllers/Lab	5
ICTL	245/245L	Controls/Lab	5
ICTL	255/255L	Automation Overview/Lab	5
<b>Total Credits</b>			<b>15</b>

## General Education Requirements

### Arts & Humanities/Social & Behavioral Science

1. 3

### Business, Math, Science & Technology (Two areas of study required.)

CIS	164	Networking Fundamentals I (Required)	4
MATH	137	Applied Algebra or higher (Required)	3

### Communications I

ENGL 110 College Composition I (Required) 3

### Communications II (Select one course.)

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

**Total Credits 16**

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# Associate in Applied Science (AAS) 2019-2020 Catalog

Advisor: \_\_\_\_\_  
Office: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

## Degree Checklist

### Credits

- \_\_\_\_\_ Earned a minimum of 3 credits in ENGL 110
- \_\_\_\_\_ Earned a minimum of 3 credits in ENGL 120, ENGL 125 or COMM 110 <sup>1</sup>
- \_\_\_\_\_ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Sciences <sup>1</sup>
- \_\_\_\_\_ Earned a minimum of 6 credits in Business, Math, Science & Technology <sup>2</sup>
- \_\_\_\_\_ Completed prescribed technical program requirements

Earned a minimum of 60 credits

-Academic Skills Courses (ASC) do not count toward graduation

- Earned at least 15 semester hours of institutional credit from BSC
- Minimum of 2.00 institutional GPA (BSC only)
- Minimum of 2.00 cumulative GPA (BSC + Transfer)
- Minimum of 2.00 GPA in a prescribed technical program
- Cleared all college obligations
- Satisfied all degree seeking admission requirements
- Filed an Application for Degree in the Academic Records Office immediately following enrollment in final semester

**Specific programs may require additional degree/program requirements; refer to your program.**

<sup>1</sup> Programs may have specific General Education requirements; refer to your program degree plan.

<sup>2</sup> Must be from any two areas of study. For example, a Biology course and a Math course, but not two Biology courses or two Math courses.

**Legend**  
(\* ) Course not approved as GERTA

## General Education Requirements

### Category I: COMMUNICATIONS

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

#### Communications I

(3 Credits) - ENGL 110

Gr.	Cr.	ENGL 110	College Composition I
_____	3		

Transfer Course \_\_\_\_\_

#### Communications II

(3 Credits) - ENGL 120, ENGL 125, COMM 110 (Select one)

Gr.	Cr.	ENGL 120	College Composition II
_____	3		
_____	3	ENGL 125	Introduction to Professional Writing
_____	3	COMM 110	Fundamentals 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	ANTH 170	_____	3	HIST 101	_____	3	POLS 115
_____	3	ANTH 171	_____	3	HIST 102	_____	3	POLS 116
_____	3	ART 110	_____	3	HIST 103	_____	3	POLS 220
_____	3	ART 122	_____	3	HIST 104	_____	3	PSYC 100
_____	3	ART 124	_____	3	HIST 211	_____	3	PSYC 111
_____	3	ART 130	_____	3	HIST 212	_____	3	* PSYC 211
_____	3	ART 210	_____	3	HIST 220	_____	3	PSYC 250
_____	3	ART 211	_____	3	HIST 222	_____	3	* PSYC 261
_____	3	ART 220	_____	3	HIST 224	_____	3	PSYC 270
_____	3	ART 221	_____	3	HIST 225	_____	3	RELS 120
_____	3	ART 230	_____	1-3	* HIST 243	_____	3	RELS 201
_____	3	ART 250	_____	3	HUMS 210	_____	3	RELS 203
_____	3	ART 251	_____	1-4	HUMS 211	_____	3	RELS 220
_____	2	ART 265	_____	2	HUMS 212	_____	3	RELS 230
_____	2	ART 266	_____	3	MUSC 100	_____	3	SOC 110
_____	3	* CIS 280	_____	1	MUSC 117	_____	3	SOC 115
_____	3	CJ 201	_____	1	MUSC 118	_____	3	SOC 220
_____	3	COMM 112	_____	1	MUSC 121	_____	3	SOC 221
_____	3	COMM 211	_____	1	MUSC 132	_____	3	SOC 235
_____	3	COMM 212	_____	1	MUSC 133	_____	3	SOC 251
_____	3	ECON 105	_____	1	MUSC 134	_____	3	SOC 252
_____	3	ECON 201	_____	1	MUSC 135	_____	3	SOC 275
_____	3	ECON 202	_____	1	MUSC 136	_____	4	SPAN 101
_____	3	ENGL 211	_____	1	MUSC 137	_____	4	SPAN 102
_____	3	ENGL 221	_____	1	* MUSC 138	_____	4	SPAN 201
_____	3	ENGL 222	_____	1	MUSC 145	_____	4	SPAN 202
_____	3	ENGL 233	_____	1	MUSC 146	_____	3	SWK 216
_____	3	ENGL 236	_____	3	PHIL 101	_____	3	THEA 110
_____	3	ENGL 238	_____	3	PHIL 110	_____	3	THEA 161
_____	3	ENGL 251	_____	3	PHIL 210	_____	3	THEA 180
_____	3	ENGL 252	_____	3	PHIL 220	_____	3	THEA 181
_____	3	ENGL 261	_____	3	PHIL 250	_____	3	THEA 261
_____	3	ENGL 262	_____	3	PHIL 253	_____	3	
_____	3	ENGL 278	_____			_____		
_____	3	GEOG 161	_____			_____		

Transfer Courses

Transfer Courses

Transfer Courses

## General Education Requirements Continued

### Category III: 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	*	ACCT 200	3/1		CHEM 110	3		MATH 146
3	*	ACCT 201	3/1		CHEM 112	4		MATH 165
3/1		ASTR 150	3/1		CHEM 114	4		MATH 166
3	*	BADM 202	4/1		CHEM 115	3	*	MATH 208
3	*	BADM 210	4/1		CHEM 116	3		MATH 210
3	*	BADM 240	4/1		CHEM 121	4	*	MATH 277
3	*	BADM 281	4/1		CHEM 122	3/1		MICR 202
3	*	BADM 282	3	*	CIS 147	3	*	NUTR 240
1	*	BIOL 102	4	*	CIS 164	3/1		PHYS 100
3		BIOL 109	3		CSCI 101	3/1		PHYS 110
3/1		BIOL 111	3		CSCI 122	4/1		PHYS 211
3/1		BIOL 115	4		CSCI 160	4/1		PHYS 212
3		BIOL 124	4		CSCI 161	4/1		PHYS 251
3/1		BIOL 125	3/1		GEOG 121	4/1		PHYS 252
3/1		BIOL 126	3/1		GEOG 102	2/1		PLSC 110
3/1		BIOL 150	3/1		GEOG 105	3/1		SCNC 101
3/1		BIOL 151	3		GIS 105			(Biology & Chemistry)
3/1		BIOL 170	3	*	GIS 107	3/1		SCNC 102
3/1		BIOL 220	4		MATH 103			(Physics & Geology)
3/1		BIOL 221	3		MATH 104	3/1		SCNC 103
3/1		BIOL 250	2		MATH 105			Physical Science III/Lab
3/1		BOT 170	4		MATH 107			(Astronomy & Meteorology)
3	*	BUSN 120	3	*	MATH 137	2/1	*	SOIL 210
								Introduction to Soil Science/Lab

Transfer Courses

Transfer Courses

Transfer Courses

## Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC) are pre-college courses that indicate the need for college preparation work before enrollment in college level courses. These courses will not fulfill general education requirements, institutional credit requirements and cannot be included in the semester hours required for an Associate in Applied Science degree.

Gr.	Cr.		Gr.	Cr.	
2		ASC 082	2		ASC 94
2		ASC 91	2		ASC 95
2		ASC 92	2		ASC 96
2		ASC 93	3/1		ASC 098

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