



# Instrumentation & Control Technology

Associate in Applied Science

Advising Worksheet\* 2016-2017

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**

\*This advising worksheet is unofficial and to be used for class planning purposes only. Please refer to official catalog at <http://catalog.bismarckstate.edu/> for the complete listing of the degree requirements.