



Instrumentation & Control Technology

Associate in Applied Science
Degree Plan 2015-2016

Prescribed Technical Program Total	58
General Education Total	16
Total Degree Credits	74

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
Total Credits			14

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
Total Credits			14

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
Total Credits			15

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
Total Credits			15

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

Associate in Applied Science (AAS)

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, 125 or COMM 110
 - _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Science
 - _____ Earned a minimum of 6 credits in Business, Math, Science & Technology
 - _____ Earned prescribed technical program requirements
 - Earned a minimum of 60 total credits
- Academic Skills Courses (ASC) do not apply toward graduation.*
- Earned a minimum of 15 institutional credit (BSC only)
 - Earned a minimum 2.00 institutional GPA (BSC only)
 - Earned a minimum 2.00 cumulative GPA (BSC + Transfer)
 - Earned a minimum 2.00 GPA in a prescribed technical program
 - Cleared all college obligations
 - Declared program of study is Degree-seeking
 - Filed an Application for Degree

Legend
 (*) Course not approved as GERTA

General Education Requirements

Category I: COMMUNICATIONS Completed _____ Needed _____

Communications I

(3 Credits) - ENGL 110

Gr.	Cr.		
_____	3	ENGL 110	College Composition I

Transfer Course _____

Communications II

(3 Credits) -ENGL 120, 125, 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 _____

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	Elements of Accounting I	_____	3/1	CHEM 110	Survey of Chemistry/Lab	_____	3	MATH 146	Applied Calculus I
_____	3	*	ACCT 201	Elements of Accounting II	_____	3/1	CHEM 112	Introduction to Forensic Science/Lab	_____	4	MATH 165	Calculus I
_____	3/1		ASTR 150	Meteorology/Lab	_____	3/1	CHEM 114	Chemistry in Art/Lab	_____	4	MATH 166	Calculus II
_____	3	*	BADM 202	Principles of Management	_____	4/1	CHEM 115	Introductory Chemistry/Lab	_____	3	* MATH 208	Discrete Mathematics
_____	3	*	BADM 210	Advertising I	_____	4/1	CHEM 116	Intro to Organic & Biochemistry/Lab	_____	3	MATH 210	Elementary Statistics
_____	3	*	BADM 240	Sales	_____	4/1	CHEM 121	General Chemistry I/Lab	_____	4	* MATH 277	Math for Elementary Teachers I
_____	3	*	BADM 281	Organizational Behavior	_____	4/1	CHEM 122	General Chemistry II/Lab	_____	3/1	MICR 202	Introductory Microbiology/Lab
_____	3	*	BADM 282	Human Resource Management	_____	4	* CIS 164	Networking Fundamentals	_____	3	* NUTR 240	Principles of Nutrition
_____	1	*	BIOL 102	Introduction to Aquarium Keeping	_____	3	CSCI 101	Introduction to Computers	_____	3/1	PHYS 100	Concepts of Physics/Lab
_____	3		BIOL 109	Living World	_____	3	CSCI 122	Beginning Visual Basic	_____	3/1	PHYS 110	Introduction to Astronomy/Lab
_____	3/1		BIOL 111	Concepts of Biology/Lab	_____	4	CSCI 160	Computer Science I	_____	3/1	PHYS 211	College Physics I/Lab
_____	3/1		BIOL 115	Human Structure & Function/Lab	_____	4	CSCI 161	Computer Science II	_____	3/1	PHYS 212	College Physics II/Lab
_____	3		BIOL 124	Environmental Science	_____	3/1	GEOG 121	Physical Geography/Lab	_____	4/1	PHYS 251	University Physics I/Lab
_____	3/1		BIOL 126	Human Biology/Lab	_____	3/1	GEOG 102	Historical Geology/Lab	_____	4/1	PHYS 252	University Physics II/Lab
_____	3/1		BIOL 150	General Biology I/Lab	_____	3/1	GEOG 105	Physical Geology/Lab	_____	2/1	PLSC 110	World Food Crops/Lab
_____	3/1		BIOL 151	General Biology II/Lab	_____	3	GIS 105	Fundamentals of GIS	_____	3/1	SCNC 101	Physical Science I/Lab
_____	3/1		BIOL 220	Anatomy & Physiology I/Lab	_____	3	* GIS 107	GIS Applications	_____	3/1	SCNC 102	Biology & Chemistry
_____	3/1		BIOL 221	Anatomy & Physiology II/Lab	_____	4	MATH 103	College Algebra	_____	3/1	SCNC 102	Physical Science II/Lab
_____	3/1		BIOL 250	Survey-Tropical Biology/Lab	_____	3	MATH 104	Finite Math	_____	3/1	SCNC 103	Physics & Geology
_____	3/1		BIOL 251	Community Ecology/Lab	_____	2	MATH 105	Trigonometry	_____	3/1	SCNC 103	Physical Science III/Lab
_____	3/1		BOT 170	Plant Form & Diversity/Lab	_____	4	MATH 107	Pre-Calculus	_____	2/1	* SOIL 210	Astronomy & Meteorology
_____	3	*	BUSN 120	Fundamentals of Business	_____	3	* MATH 137	Applied Algebra	_____	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), as well as Math 102, are pre-college courses indicate the need for college preparation work before enrollment in college level courses. These courses will not carry honor points or earned credit and will not count toward the student's degree program.

Gr.	Cr.			Gr.	Cr.			
_____	2		ASC 082	Effective Reading	_____	2	ASC 92	Algebra Prep II
_____	3		ASC 087	College Writing Prep	_____	2	ASC 93	Algebra Prep III
_____	1		ASC 088	Composition Lab	_____	3/1	ASC 098	Basic Biology/Lab
_____	2		ASC 91	Algebra Prep I				