

Academic requirements for the Associate of Applied Science Degree in Instrumentation and Control Technology (CIP 15.0404)

		<u>Credit Hours</u>
First Trimester		
MATH 121	College Algebra	3
ELEC 101A	Basic Electronics DC	3
ELEC 101L	Basic Electronics DC Lab	2
ITCT 111	IT Essentials I (A+)	3
ENGL 101	Composition	<u>3</u>
Total First Trimester Credits:		14
Second Trimester		
MATH 123	Trigonometry	3
ELEC 105A	Basic Electronics AC	3
ELEC 105L	Basic Electronics AC Lab	2
ITCT 112	IT Essentials II (Server+)	3
XXXX xxx	Social Science or Humanities Elective	<u>3</u>
Total Second Trimester Credits:		14
Third Trimester		
COSC 121	Introduction to Programming	3
ELEC 110A	Semiconductor Fundamentals	3
ELEC 110L	Semiconductor Fundamentals Lab	2
ENGL 119	Technical Communications	3
MATH 150	Advanced College Algebra	<u>3</u>
Total Third Trimester Credits:		14
Fourth Trimester		
ELEC 201A	Digital Electronics	3
ELEC 202L	Digital Electronics Lab	2
ELEC 205A	Microprocessors	3
ELEC 206L	Microprocessors Lab	2
ELEC 118L	Electromechanical Control Devices	<u>3</u>
Total Fourth Trimester Credits:		13
Fifth Trimester		
COSC 145	Intro to UNIX/Administration	3
ELEC 218L	Electromechanical Control Systems	3
MATH 162	Calculus I	4
PHYS 151	General Physics	3
PHYS 151L	General Physics Lab	<u>1</u>
Total Fifth Trimester Credits:		<u>14</u>
Total Credit Hours Required:		69