INDUSTRIAL TECHNOLOGY (B.S.) ELECTRONIC SYSTEMS TECHNOLOGY CONCENTRATION

Curriculum Map

Course	Title	Hours
Freshman		
Fall		
ENG 104	COMPOSITION I	3
or ENG 103	or English Composition I with Co-requisite Support	
or ENG 111	or COMPOSITION & LITERATURE FOR L	
CSC 115	DIGITAL COMPUTER PRINCIPLES	3
MATH 111	COLLEGE ALGEBRA	3
UNIV 100	UNIVERSITY SUCCESS	2
Humanities & Fine Arts Option		3
Social & Behavioral Science Option		3
	Hours	**17**
Spring		
ENG 105	COMPOSITION II	3
or ENG 112	or COMPOSITION	
MATH 112	PLANE TRIGONOMETRY	3
ITE 180	Introduction to Robotics	3
Pathway Option		3
CHEM 141	GENERAL CHEMISTRY I	4
& CHML 141	and GENERAL CHEMISTRY LAB	
	Hours	**16**
Sophomore		
Fall		
IT 100	INTRO TO INDUSTRIAL TECHNOLOGY	1
ITE 111	BASIC ELECTRONICS	4
& 111	and BASIC ELECTRONICS (Lab)	
ITMA 105	INDUSTRIAL SAFETY & MANAGEMENT	3
ITD 114	COMPUTER-AIDED DRAFTING	3
Humanities & Fine Arts Option		3
Pathway Option		3
	Hours	**17**
Spring		
ITE 112	INTERMEDIATE ELECTRONICS	4
& ITEL 112	and INTERMEDIATE ELECTRONICS LAB	
PHY 201	BASIC PHYSICS I	4
& PHYL 201	and BASIC PHYSICS LAB I	
MATH 221	CALCULUS I INDUST OR BUS	3
MNGT 330	MANAGEMENT TO ORGANIZATIONS	3
UNIV 200	CIVIC ENGAGEMENT	1
Pathway Option		3
	Hours	**18**
Junior		
Fall		
ITE 221	DEVICES AND CIRCUITS I	4
& ITEL 221	and DEVICE AND CIRCUITS LAB I	
ITMA 325	INDUSTRIAL PSYCHOLOGY	3
ECO 211	PRINCIPLES OF MACROECONOMICS	3
MNGT 351	MNGT INFORMATION SYSMS AND APP	3
	Hours	**13**
Spring		
IT 300	INTERNSHIP/INDUSTRIAL EXPERIEN (S)	3
ITE 320	Introduction to Robotics Process Automation	3

ITE 338	DIGITAL LOGIC	4
& ITEL 338	and DIGITAL LOGIC LAB I	
Humanities & Fine Arts Option		3
	Hours	**13**
Senior		
Fall		
ITE 410	Robotics Systems	3
ITE 438	PROGRAMMABLE LOGIC CONTROLLER	3
ITE 449	NETWORK THEORIES	4
& ITEL 449	and NETWORKING LAB	
ITE 475	MICROPROCESSOR SOFTWARE/HARDWA	3
ITE 452 Fiber Optics & Communications		3
	Hours	**16**
Spring		
IT 490	SENIOR CAPSTONE (S)	3
ITE 450	ANALOGICAL COMMUNICATION SYSTE (S)	3
ITMA 420	LABOR & INDUSTRIAL RELATIONS (W)	3
Social & Behavioral Science Option		3
	Hours	**12**
	Total Hours	**122**

Notes:

- Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100 UNIVERSITY SUCCESS; however, the student must take 2 hours of general electives to replace the UNIV course.
- Online Graduation Clearance (**to be completed during the graduating semester only**).