	EGREE PLAN				
John A Logan College	2022-2023		Southern Illinois University Carbondale	•	
AAS Electronics Technology - 66-67 hrs			BS Electrical Engineering Technology (EET) - 120 hrs		
9,			University Core Curriculum (UCC) CAPST		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
ENG 101 -or- ENG 113	English Composition I -or- Professional Tech Writing	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 112 or MAT 113	Intro to Contemporary Math Or Contemporary Math		MATH 101	Intro to Contemporary Math	Ť
WAT TIZ OF WAT TIS	IAI Social/Behavorial Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	Ť
	In a coolan Bona vonar colonic		SOCIAL SCIENCE	cee order transfer Equivalency edite	3
			HUMANITIES		3
			HUMANITIES		NA
PHY 155*	College Physics I	5	PHYS 203A/253A (Required for BS degree)	College Physics/Lab	T
	College Filysics I	3	LIFE SCIENCE, GRP II	BS degree requires 2 PHYS courses	NA
				bs degree requires 2 Phrs courses	
			FINE ARTS		3
			BIOL 202	Human Genetics and Human Health	2
*D		47	MULTICULTURAL		3
*Recommended to fulfill BS deg	ree requirements	17			14
Drogram Poguirements		1	Program Poquiromenta		+
Program Requirements	O-II 404	-	Program Requirements		
ORI 100	College 101	1	-		
ELT 102	Basic Electricity and Wiring	4	-		
ELT 104	Introduction to VFDs	2			
ELT 111	Digital Electronics I	3			
ELT 112	Digital Electronics II	3			
ELT 151	Applied Solid State Circuits	3			
ELT 210	A+ Preparation Essentials	3		ogy as articulated fulfills the technical elective requireme	nts for
ELT 214	A+ Preparation IT Technician	3	the BS degree in	Electricl Engineering Technology (EET).	
ELT 215	IOT and Embedded Systems	3			
ELT 218	Introduction to Network Technologies	3			
ELT 220	Linear Integrated Circuits	3			
ELT 224	Power Distribution and Motors	3			
MFT 103	Industrial Robots and PLCs	3			
MFT 201	PLC Manufacturing Systems	3			
ELT 103	Applied DC/AC Circuits	4	EET 245 (Required for BS degree)	Introductory Circuit Theory & Applications	Т
ELT 150	Applied Solid State Electronics	3	EET 150 (Required for BS degree)		
ELT 200				Tintro to Electrical Engineering Technology	Ť
LLI 200	Introduction to Microprocessors	3	EET 238 (Required for BS degree)	Intro to Electrical Engineering Technology Digital System Fundamentals	
	Introduction to Microprocessors	50	EET 238 (Required for BS degree)	Digital System Fundamentals	Т
	Introduction to Microprocessors		i i i i i i i i i i i i i i i i i i i	Digital System Fundamentals	T
1	Introduction to Microprocessors		ENGR 222	Digital System Fundamentals Computational Methods for Engineers and Technologists	T T
	Introduction to Microprocessors		ENGR 222 MATH 111	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus	T T 2 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I	T T 2 4 5
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics	T T 2 4 5 3
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications	T T 2 4 5 3 3
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab	T T 2 4 5 3 3 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application	T T 2 4 5 3 3 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application	T T 2 4 5 3 3 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices	T T 2 4 5 3 3 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems	T T 2 4 5 3 3 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis	T T 2 4 5 3 3 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals	T T 2 4 5 5 3 3 4 4 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 403B EET 437A EET 437B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403A EET 403B EET 437A EET 437B EET 437B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 437B EET 437B EET 437B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403A EET 403B EET 437B EET 437B EET 438B EET 439	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A EET 437B EET 438A EET 438B EET 4389 EET 495A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design Senior Design I	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403A EET 403B EET 437B EET 437B EET 438B EET 439	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 1 1
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A EET 437B EET 438A EET 438B EET 4389 EET 495A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design Senior Design I	T T T 2 4 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Introduction to Microprocessors		ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A EET 437B EET 438A EET 438B EET 4389 EET 495A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design Senior Design I	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 1 1
Total semester hrs completed			ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A EET 437B EET 438A EET 438B EET 4389 EET 495A	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronic Circuit Analysis Electronic Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design Senior Design I Senior Design II	T T 2 4 5 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 1 1
Total semester hrs completed		50	ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403A EET 403B EET 437B EET 437B EET 437B EET 438B EET 439 EET 495A EET 495B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronic Circuit Analysis Electronic Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design Senior Design I Senior Design II	T T 2 4 5 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 1 1 1 667
Total semester hrs completed		50	ENGR 222 MATH 111 MATH 150 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403A EET 403B EET 437B EET 437B EET 437B EET 438B EET 439 EET 495A EET 495B	Digital System Fundamentals Computational Methods for Engineers and Technologists Precalculus Calculus I Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devices AC Electric Machines and Power Systems Electronic Circuit Analysis Electronic Circuit Analysis Electronic Application and Design Telecommunication Systems Fundamentals Data and Computer Communication Automatic Control Systems Technology Sequential Digital Control and Data Acquisition Microcontroller Application and Design Senior Design I Senior Design II	T T 2 4 5 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 1 1 1 667