John A Logan Collogo					
John A Logan College	2022-2023		Southern Illinois University Carbondale		
AAS Electrical Engineering Techno	ology - 66 hrs		BS Electrical Engineering Technology (EET)		
			University Core Curriculum (UCC) CAPST	ONE OPTION - 30 hrs	
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
ENG 101 -or- ENG 113	English Composition I -or- Professional Tech Wri	3	ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	NA
COM 115	Speech	3	CMST 101	Intro to Oral Communication	Т
MAT 111	Precalculus	5	MATH 111	Precalculus	Т
			SOCIAL SCIENCE		3
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 155	College Physics	5	PHYS 203A/253A (Required for BS degree)	College Physics/Lab	T
	College 1 Hysics	5	LIFE SCIENCE, GRP II	BS degree requires 2 PHYS courses	NA
			FINE ARTS	Do degree requires 211110 courses	3
			BIOL 202	Human Genetics and Human Health	2
		16	MULTICULTURAL		3 17
		10			17
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Program Requirements	College 101	4	Program Requirements		
ORI 100	College 101	1	-		
ELT 102	Basic Electricity and Wiring	4	-		
ELT 151	Applied Solid State Circuits	3	_		
ELT 200	Introduction to Microprocessors	3	_		
ELT 210	A+ Preparation Essentials	3	The AAS degree in Electronics Tech	nnology as articulated fulfills the technical elective	
ELT 214	A+ Preparation IT Technician	3		e in Electricl Engineering Technology (EET).	
ELT 215	IOT and Embedded Systems	3	requirements for the bo degree	ee in Electrici Engineering Technology (EET).	
ELT 218	Introduction to Network Technologies	3			
ELT 218 ELT 220	Introduction to Network Technologies Linear Integrated Circuits	3			
			-		
ELT 220	Linear Integrated Circuits	3	-		
ELT 220 ELT 224 MFT 103	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs	3 3 3	EET 245 (Required for BS degree)	Introductory Circuit Theory & Applications	Т
ELT 220 ELT 224 MFT 103 ELT 103	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits	3 3 3 4	EET 245 (Required for BS degree) EET 150 (Required for BS degree)	Introductory Circuit Theory & Applications	T
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics	3 3 3 4 3	EET 150 (Required for BS degree)	Intro to Electrical Engineering Technology	Т
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I	3 3 3 4 3 3			
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3	EET 150 (Required for BS degree) EET 238 (Required for BS degree)	Intro to Electrical Engineering Technology Digital System Fundamentals	T T
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I	3 3 4 3 3 3 5	EET 150 (Required for BS degree)	Intro to Electrical Engineering Technology	Т
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I	T T T
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog	T T T 2
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics	T T T 2 3
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications	T T T 2 3 3
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab	T T T 2 3 3 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application	T T 2 3 3 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application	T T 2 3 3 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi	T T 2 3 3 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems	T T 2 3 3 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 304B EET 332A EET 332B EET 403A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis	T T 2 3 3 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design	T T 2 3 3 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronics Application and Design Telecommunication Systems Fundamentals	T T 2 3 3 4 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis Electronics Application and Design	T T 2 3 3 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronics Application and Design Telecommunication Systems Fundamentals	T T 2 3 3 4 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304A EET 332A EET 332A EET 403A EET 403B EET 403B EET 437A EET 437B	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis Electronic Circuit Analysis Electronic Circuit Analysis Electronic Circuit Analysis Electronic Official on and Design Telecommunication Systems Fundamentals Data and Computer Communication	T T 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 332A EET 332A EET 403A EET 403B EET 403B EET 437B EET 437B EET 438A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi 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	T T 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 304B EET 332A EET 403A EET 403A EET 403A EET 403B EET 437B EET 438B EET 438B EET 439	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis 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 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A EET 437A EET 438A EET 438A EET 439 EET 495A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems 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 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 304B EET 332A EET 403A EET 403A EET 403A EET 403B EET 437B EET 438B EET 438B EET 439	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis 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 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 1
ELT 220 ELT 224 MFT 103 ELT 103 ELT 105 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II	3 3 4 3 3 3 5	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A EET 437A EET 438A EET 438A EET 439 EET 495A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems 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 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111 ELT 112 MAT 131	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II Calculus	3 3 4 3 3 5 50 50	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304B EET 304B EET 332A EET 403A EET 403A EET 403A EET 403B EET 437A EET 437B EET 438B EET 438B EET 439 EET 495A EET 495B	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis Electronic Circuit Analysis Electronic Splication 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 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 1 58
ELT 220 ELT 224 MFT 103 ELT 103 ELT 150 ELT 111 ELT 112	Linear Integrated Circuits Power Distribution and Motors Industrial Robots and PLCs Applied DC/AC Circuits Applied Solid State Electronics Digital Electronics I Digital Electronics II Calculus	3 3 4 3 3 5 50 50	EET 150 (Required for BS degree) EET 238 (Required for BS degree) MATH 150 ENGR 222 MATH 282 MGMT 202 PHYS 203B/253B EET 304A EET 304A EET 304B EET 332A EET 332B EET 403A EET 403B EET 437A EET 437A EET 438A EET 438A EET 439 EET 495A	Intro to Electrical Engineering Technology Digital System Fundamentals Calculus I Computational Methods for Engineers and Technolog Statistics Business Communications College Physics/Lab AC/DC Circuit Theory and Application AC Network Theory and Application DC Motors, Generators and Energy Conversion Devi AC Electric Machines and Power Systems Electronic Circuit Analysis Electronic Circuit Analysis Electronic Splication 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 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 1