John A Logan College					
AAC Floatrical Engineering	2022-2023		Southern Illinois University Carbondale		
AAS - Electrical Engineering	Technology - 66 hrs		BS - Aviation Technologies - Aviation Electronics	Specialization - 120 hrs	
			University Core Curriculum (UCC) - Capstone	Option 30 hours	
		Hrs			Hr
ORI 100	College 101	1	UNIV 101	Saluki Success	N
COM 115	Speech	3	CMST 101	Intro Oral Communication	Т
ENG 101	English Composition I		ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	N/
MAT 111	Pre-Calculus	3	MATH 111	Pre-Calculus	T
	IAI Social and Behavioral Science Elective		SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
	With Social and Bonavioral Society Electric		SOCIAL SCIENCE	ess siss mansion Equitations, salas	3
		_	HUMANITIES		3
		+	HUMANITIES		N/
PHY 155	College Physics I	- 5	PHYS 205/255A	College Physics	T
	College Friysics i		LIFE SCIENCE	College Friysics	3
	-		FINE ARTS		3
					N/
-		+	HUMAN HEALTH MULTICULTURAL		
		40	WOLTIGOLTOKAL		3 15
 		18			15
Any additional courses may be tak	ken at John A. Logan College provided they are IAI designated courses	or have			
been articulate	ed to meet a category within the University Core Curriculum				
Program Requirements			Program Requirements		
ELT 102	Basic Electricity and Wiring	4			
ELT 103	Applied DC/AC Circuits	4			
ELT 111	Digital Electronics I	3			
ELT 112	Digital Electronics II	3			
ELT 150	Applied Solid State Electronics	3			
ELT 151	Applied Solid State Circuits	3			
ELT 200	Intro to Microprocessors	3	An AAS in Electrical Engineering Technology	y satisfies the 39 hours of technical electives required for	a BS in Aviation
ELT 210	A+ Preparation Essentials	3	Technolog	ies - Aviation Electronics Specialization	
ELT 214	A . Down and the IT To also be been				
ELT 215	A+ Preparation IT Technician	3			
	IOT and Embedded Systems	3			
ELT 218					
ELT 218 ELT 220	IOT and Embedded Systems	3			
	IOT and Embedded Systems Intro to Network Technologies	3			
ELT 220	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors	3 3 3 3			
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3	MATH 150	Calculus	Т
ELT 220 ELT 224	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors	3 3 3 3 3 5	MATH 150	Calculus I	T
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3			
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5	AVT 305	Cabin Envirn/Jet Transport Sys	5
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5	AVT 305 AVT 310	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems	5
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5	AVT 305 AVT 310 AVT 317	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics	5 5 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5	AVT 305 AVT 310 AVT 317 AVT 318	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst	5 5 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice	5 5 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication	5 5 3 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics	5 5 3 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications	5 5 3 3 3 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems	5 5 3 3 3 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 440	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems	5 5 3 3 3 3 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 440 AVT 465	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems Digital Data Bussing	5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 405 AVT 465 AVT 470	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems Digital Data Bussing Reliability, Maintainability	5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 440 AVT 465	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems Digital Data Bussing	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 405 AVT 465 AVT 470	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems Digital Data Bussing Reliability, Maintainability	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 405 AVT 465 AVT 470	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems Digital Data Bussing Reliability, Maintainability	5 5 3 3 3 3 3 5 5
ELT 220 ELT 224 MFT 103	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs Calculus I	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 405 AVT 465 AVT 470	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems Digital Data Bussing Reliability, Maintainability	5 5 3 3 3 3 3 3
ELT 220 ELT 224 MFT 103 MAT 131	IOT and Embedded Systems Intro to Network Technologies Linear Integrated Circuits Power Disribution and Motors Industrial Robots and PLCs Calculus I	3 3 3 3 3 5 49	AVT 305 AVT 310 AVT 317 AVT 318 AVT 321 AVT 327 AVT 380 AVT 390 AVT 405 AVT 440 AVT 465 AVT 470 TRM 364	Cabin Envirn/Jet Transport Sys Aircraft Electrical Systems Intro to Aviation Electronics Aviat Electronics Control Syst Radio Theory & Practice Aircraft Communication Aerospc Supply Chain Logistics MIS for Aerospace Applications Flight Management Systems Unmanned Aircraft Systems Digital Data Bussing Reliability, Maintainability	5 5 3 3 3 3 3 3 5 5 3 3 4