

PROGRAM ARTICULATION DEGREE PLAN			
John A Logan College 2022-2023 AAS Mechanics Engineering Technology - 65 hrs		Southern Illinois University Carbondale BS Electrical Engineering Technology (EET) - 120 hrs University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs	Hrs
ENG 101 -or- ENG 113	English Composition I -or- Professional Tech Writing	3	UNIV 101 Saluki Success NA ENGL 101 English Composition I T ENGL 102 English Composition II NA
COM 115	Speech	3	CMST 101 Intro to Oral Communication T
MAT 111	Precalculus	5	MATH 111 Precalculus T
			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
			LIFE SCIENCE, GRP II BS degree requires 2 PHYS courses NA
			FINE ARTS 3
			BIOL 202 Human Genetics and Human Health 2
			MULTICULTURAL 3
		16	17
Program Requirements		Program Requirements	
ORI 100	College 101	1	The AAS degree in Electronics Technology as articulated fulfills the technical elective requirements for the BS degree in Electrical Engineering Technology (EET).
ELT 102	Basic Electricity and Wiring	4	
ELT 103	Applied DC/AC Circuits	4	
ELT 104	Introduction to VFDs	2	
ELT 151	Applied Solid State Circuits	3	
ELT 214	A+ Preparation IT Technician	3	
ELT 218	Introduction to Network Technologies	3	
ELT 224	Power Distribution and Motors	3	
MFT 103	Industrial Robots and PLCs	3	
MFT 201	PLC Manufacturing Systems	3	
IDM 210	Hydraulics & Pneumatics	3	
EGR 101	Engineering Graphics	3	
ELT 150	Applied Solid State Electronics	3	
ELT 111	Digital Electronics I	3	
ELT 112	Digital Electronics II	3	
MAT 131	Calculus	5	
		49	
			ENGR 222 Computational Methods for Engineers and Technologists 2
			MATH 282 Statistics 3
			MGMT 202 Business Communications 3
			PHYS 203B/253B College Physics/Lab 4
			EET 304A AC/DC Circuit Theory and Application 4
			EET 304B AC Network Theory and Application 4
			EET 332A DC Motors, Generators and Energy Conversion Devices 4
			EET 332B AC Electric Machines and Power Systems 4
			EET 403A Electronic Circuit Analysis 4
			EET 403B Electronics Application and Design 4
			EET 437A Telecommunication Systems Fundamentals 4
			EET 437B Data and Computer Communication 4
			EET 438A Automatic Control Systems Technology 4
			EET 438B Sequential Digital Control and Data Acquisition 4
			EET 439 Microcontroller Application and Design 4
			EET 495A Senior Design I 1
			EET 495B Senior Design II 1
			58
Total semester hrs completed w/ AAS degree		65	Total semester hrs completed w/ BS degree
			75
			Total semester hours to BS degree:
			140
Degree plan created by SW 10/11/2022			