

TRANSFER GUIDE

AAS Electronics Technology transferring into BS Electrical Engineering Technology

John A Logan College Courses			
AAS Electronics Technology – 67 hours			
ORI 100-1	College 101	ELT 150-3	Applied Solid State Electronics
COM 115-3	Speech	ELT 151-3	Applied Solid State Circuits
ENG 101-3 or 113-3	English Comp I/Prof Tech Writing	ELT 200-3	Intro to Microprocessors
MAT 112 or 113-3	Intro to Contemporary Math	ELT 210-3	A+ Preparation Essentials
PHY 155-5	College Physics I	ELT 214-3	A+ Preparation IT Technician
Elective-3	Social and Behavior Science	ELT 215-3	IOT and Embedded Systems
ELT 102-4	Basic Electricity & Wiring	ELT 218-3	Intro to Network Technologies
ELT 103-4	Applied DC/AC Circuits	ELT 220-3	Linear Integrated Circuits
ELT 104-2	Intro to VFDs	ELT 224-3	Power Distribution and Motors
ELT 111-3	Digital Electronics I	MFT 103-3	Industrial Robotics & PLCs
ELT 112-3	Digital Electronics II	MFT 201-3	PLC Manufacturing Systems
Southern Illinois University Carbondale Courses			
BS Electrical Engineering Technology (EET) – 76 hours			
Elective-3	Social Science	EET 437A-4	Telecomm System Fundamentals
Elective-3	Humanities	EET 437B-4	Data & Computer Communication
Elective-3	Fine Arts	EET 438A-4	Automatic Control Systems Tech
Elective-3	Multicultural	EET 438B-4	Seq Digital Ctrl & Data Acquisition
BIOL 202-2	Human Genetics and Health	EET 439-4	Microcontroller App & Design
ENGR 222-2	Comp Methods for Engr & Tech	EET 495A-1	EET Senior Design I
EET 304A-4	AC/DC Circuit Theory & Application	EET 495B-1	EET Senior Design II
EET 304B-4	Network Theory & Application	MATH 111-4	Precalculus I
EET 332A-4	DC Motors, Generators & Energy Conversion Devices	MATH 150-5	Calculus I
		MATH 282-3	Introduction to Statistics
EET 332B-4	AC Electric Machines & Powr Syst	MGMT 202-3	Business Communications
EET 403A-4	Electronic Circuit Analysis	PHYS 203/253B-4	College Physics II/Lab
EET 403B-4	Electronics Application & Design		
Total Hours to Bachelor Degree: 143 Hours			

Questions? Contact Us!

Salary Range: \$55,000-\$75,500

Possible Careers: Electronics Design Engineer
Field Service Engineer
Hardware Engineer
Senior Engineering Technician
Test Engineer

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PROGRAM ARTICULATION DEGREE PLAN				
John A Logan College	2022-2023	Southern Illinois University Carbondale		
AAS Electronics Technology - 66-67 hrs		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 ENGL 101 English Composition I ENGL 102 English Composition II	
COM 115	Speech	3	CMST 101 Intro to Oral Communication	
MAT 112 or MAT 113	Intro to Contemporary Math Or Contemporary Math	3	MATH 101 Intro to Contemporary Math	
	IAI Social/Behavioral Science	3	SOCIAL SCIENCE See SIUC Transfer Equivalency Guide	
			SOCIAL SCIENCE 3	
			HUMANITIES 3	
			HUMANITIES NA	
PHY 155*	College Physics I	5	PHYS 203A/253A (Required for BS degree) College Physics/Lab	
			LIFE SCIENCE, GRP II BS degree requires 2 PHYS courses	
			FINE ARTS 3	
			BIOL 202 Human Genetics and Human Health	
			MULTICULTURAL 3	
*Recommended to fulfill BS degree requirements		17	14	
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 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		
ELT 214	A+ Preparation IT Technician	3		
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
ELT 150	Applied Solid State Electronics	3		EET 150 (Required for BS degree) Intro to Electrical Engineering Technology
ELT 200	Introduction to Microprocessors	3		EET 238 (Required for BS degree) Digital System Fundamentals
		50		
			ENGR 222 Computational Methods for Engineers and Technologists 2	
			MATH 111 Precalculus 4	
			MATH 150 Calculus I 5	
			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	
			67	
Total semester hrs completed w/ AAS degree		67	Total semester hrs completed w/ BS degree	
			76	
			Total semester hours to BS degree:	
			143	
<i>Degree plan created on 10/11/2022 by SW</i>				