

PROGRAM ARTICULATION DEGREE PLAN				
John A Logan College		2017-2018	Southern Illinois University Carbondale	
AAS Electronics Technology - 64 hours			BS Aviation Technologies (Aviation Electronics Specialization) - 120 hours	
			(UCC) CAPSTONE OPTION - 30 hrs	
		Hrs		Hrs
ENG 101 -or- ENG 113	English Composition I -or- Professional Tech Writing	3	UCOL 101 ENGL 101 ENGL 102	Saluki Success English Composition I English Composition II
SPE 115	Speech	3	CMST 101	Intro to Oral Communication
MAT 113	Intro to Contemporary Math	3	MATH 101	Intro to Contemporary Math
PSC 131	American Government	3	POLS 114	Intro to American Politics
<i>Suggested electives listed below</i>			SOCIAL SCIENCE	3
<i>Suggested electives listed below</i>			HUMANITIES	3
			HUMANITIES	NA
PHY 121	Technical Physics	3	PHYS 101	Physics That Changed The World
<i>Suggested electives listed below</i>			LIFE SCIENCE, GRP 2	3
<i>Suggested electives listed below</i>			FINE ARTS	3
			HUMAN HEALTH	NA
<i>Suggested electives listed below</i>			MULTICULTURAL	3
		15		15
Suggested Electives to consider beyond AAS requirement:				
Social Science - ANT 111, 216, ECO 201, 202, GEO 112, PSC 289, PSY 132, 200, SOC 133, 264				
Humanities - FRE 202, GER 202, SPN 202, HIS 213, LIT 230, 235, 280, 281, PHL 111, 121, 131				
Life Science - BIO 100, 101, 105				
Fine Arts - ART 111, MUS 105, THE 113				
Multicultural - HIS 201, 223, LIT 284, 295, SOC 215, 263				
			SIUC allows for the transfer of up to 78 semester credits from JALC	
Program Requirements			Program Requirements	
ELT 102	Basic Electricity and Wiring	4		
ELT 111	Digital Electronics I	3		
MFT 103	Industrial Robots and PLCs	3		
ELT 104	Intro to VFDs	2		
ELT 112	Digital Electronics II	3		
MFT 201	PLC Manufacturing Systems	3		
ELT 151	Applied Solid State Circuits	3		
ELT 215	IOT and Embedded Systems	3		
ELT 220	Linear Integrated Circuits	3		
ELT 224	Power Distribution and Motors	3		
ELT 103	Applied DC/AC Circuits	4	ET 245	Intro to Circuit Theory and Application
ELT 150	Applied Solid State Electronics	3	EST 221 -or- ET 150	Intro to Electronic Comm -or- Intro to EET
ELT 214	A+ Preparation IT Technician	3	ISAT 121	Installing and Upgrading Computers
ELT 200	Intro to Microprocessors	3	ET 238	Digital Fundamentals
ELT 210	A+ Preparation Essentials	3	Course articulates as ISAT 121 -	Duplicate credit will be reduced to general elective credit
ELT 218	Intro to Network Technologies	3	ISAT 224	LAN Installation Admin
		49		
			AVT 310	Aircraft Electrical Systems
			AVT 327	Aircraft Communication, Navigation, and Pulse Systems
			AVT 321	Radio Theory and Practice
			AVT 317	Intro to Aviation Electronics
			AVT 318	Aviation Electronics Control Systems
			AVT 405	Flight Management Systems
			AVT 422	Aviation Radar Systems
			AVT 465	Digital Data Bussing and EFIS
			Specialization Electives	12
			Credit from all areas must total 42 hours of 300/400 level courses	42
Total semester hrs completed with AAS degree:		64	Total semester hrs completed with BS degree:	57
			Total hrs to BS degree:	121