PROGRAM ARTICULATION DEGREE PLAN

John A. Logan College	2017-2018		*Southern Illinois University Carbondale*		
AAS Industrial Maintenance Engineering - 65-68 hrs			BS Agricultural Systems and Education (AGSE) - Ag Systems Tech Mgmt - 120 hrs		
			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			**Hrs**
			UCOL 101	Saluki Success	NA
ENG 101 -or- ENG 113	English Composition I -or- Professional Technical Writing	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
SPE 115	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 113 -or- MAT 120 -or- MAT 111 -or- MAT elective*	*See Recommended Electives Below*	3-5	MATH		T
PSY 132	General Psychology	3	PSYC 102	Intro to Psychology	T
			ABE 204	Food, Fiber, and Natural Resources	3
See recommended Humanities courses below			HUMANITIES		3
			HUMANITIES		NA
			CHEM 106	Chemistry and Society	3
			PLB 115	General Biology	3
See recommended Fine Arts courses below			FINE ARTS		3
			HUMAN HEALTH		NA
See recommended Multicultural courses below			MULTICULTURAL		3
		12-15			**18**

*For this SIUC degree option, MAT 108, MAT 109, MAT 117, or MAT 131 satisfies a degree requirement

Program Requirements			**Program Requirements**		
ELT 102	Basic Electricity and Wiring	4			
ELT 111	Digital Electronics	3			
MFT 103	Industrial Robots & PLCs	3			
ELT 104	Intro to VFDs	2			
ELT 112	Digital Electronics II	3			
MFT 201	PLC Manufacturing Systems	3	**Any unarticulated course will be used to satisfy general elective requirements**		
ELT 151	Applied Solid State Circuits	3			
IDM 210	Hydraulics & Pneumatics	4			
ELT 220	Linear Integrated Circuits	3			
ELT 224	Power Distribution and Motors	3			
IDM 120	Safety & Environmental Mgmt	2			
MAC 180	Blue Print Reading	3			
PHY 155	College Physics I	5	PHYS 203A/253A	University Physics and Lab	T
ELT 103	Applied DC/AC Circuits	4	ET 245	Intro to Circuit Theory	T
ELT 150	Applied Solid State Electronics	3	ET 150 -or- EST 221	Intro to EET -or- Intro to Electronic Comm	T
ELT 218	Intro to Network Technologies	3	ISAT 224	Network Fundamentals	T
ELT 214	A+ Preparation IT Technician	3	ISAT 121	Installing/Upgrading Computers	T
		54			
			Agricultural Systems Technology Management Specialization		
			ANS 121/122 -or- CSEM 200	Intro to Animal Science/Lab -or- Intro to Crop Science	3-4
			AGSE 318	Computers in Agriculture	3
			AGSE 361	Intro to Control Programming	3
			AGSE 375	Intro to Agricultural Systems	3
			AGSE 497 -or- ABE 360	Ag Operations Management -or- Agribusiness Mmgt & Org	3
			AGSE Approved Electives	Choose from: AGSE 372, 374, 402B, 461, 472, 473, 476, 483, 488, 489, 495	18
			Approved Management Electives	Choose from: ABE 318, 333, 351, 360, 361, 362, 363, 451, 452, ACCT 210, MGMT 208, 304, 318, 352	20
					53-54
Total semester hrs completed w/ AAS degree:		**66**	**Total semester hrs completed w/ BS degree:**		**71-72**
			Total to degree:		**138-139**

Note: SIUC will accept credits beyond those 66 required for the AAS degree up to 78 articulated semester credits.
Courses selected should be from the following articulated equivalents required for this degree.
General Education:
As an approved substitute for CHEM 106, select CHEM140A (CHM 141)
BIO 100 in lieu of PLB 115

For Humanities, select from HIS 213, LIT 235, 264, 280 or 291, PHL 111, 121 or 131				
For Fine Arts, select from ART 111 or 291, LIT 275, MUS 105 or 225 or THE 113.				
For Social Science, select from ANT 111 or 216, ECO 201 or 202, GEO 112, HIS 202, PSC 131, 211, 212, 213 or 289, PSY 200, 203, or 262, SOC 133, 215, 263 or 264.				
For Multicultural, select form ANT 202, HIS 201 or 223, LIT 284 or 295, PHL 200 or 260, SOC 215 or 263				
Progam Courses (Approved Management Electives):				
CIS 207 (AGSE 318)				
ACC 100 (ACCT 210)				
BUS 121 (MGMT 208)				