

PROGRAM ARTICULATION DEGREE PLAN					
<b>Prairie State College 2018-2019</b>			<b>Southern Illinois University Carbondale</b>		
AAS Computer Electronics Technology - 61 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
			<b>UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs</b>		
		<b>Hrs</b>			<b>Hrs</b>
			UNIV 101	Saluki Success	NA
ENG 101	Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COMM 101	Principles of Communication	3	CMST 101	Intro to Oral Communication	T
MATH 151	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
IAI SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE		T
			SOCIAL SCIENCE		3
IAI HUMANITIES/FINE ARTS	(See SIUC Equivalency Guide)	3	HUMANITIES		T
			HUMANITIES		NA
PHYSI 120	College Physics I	4	PHYS 203A/253A (Required for BS degree)	College Physics w/ Lab	T
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		<b>20</b>			<b>12</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
COL 101	First Year Seminar	1	The AAS in Computer Electronics Technology as articulated fulfills the program technical elective requirements for the BS in Industrial Management and Applied Engineering (IMAE).		
COL 102	Career Development Seminar	1			
ELEC 101	Fundamentals of Electricity	3			
ELEC 102	Alternating Current, Polyphase Circuits & Transformers	3			
ELEC 110	Electronic Principles	3			
ELEC 140	Industrial and Electrical Safety	2			
ELEC 210	Industrial Electronics	3			
ELEC 211	Digital Fundamentals	3			
ELEC 212	Programmable Logic Controllers	3			
IT 140	Introduction to Operating Systems	3			
ITNET 160	Computer Repair	4			
Electives	Choose at least 12 hours from: ELEC 121, 290; ITAPP 101; ITPRG 103, 144, 147; ITWEB 101	12			
		<b>41</b>	PHYS 203B/253B	College Physics w/ Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calculus for Technology	3
			IMAE 340 -or- PSYC 323*	Introduction to Supervision -or- Organizational Psychology	3
			IMAE 376	Supply Chain Operations & Logistics	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer-Aided Manufacturing	3
			IMAE 450	Project Management	3
			IMAE 465	Lean Manufacturing	3
			IMAE 470A	Six Sigma Green Belt I	3
			IMAE 470B	Six Sigma Green Belt II	3
			IMAE 476	Supply Chain Design & Strategy	3
			IMAE Electives	300/400 level (Required to meet 42 hr requirement)	3
					<b>52</b>
<b>Total semester hrs completed w/ AAS degree</b>		<b>61</b>	<b>Total semester hrs completed w/ BS degree</b>		<b>64</b>
			<b>Total hours to BS degree:</b>		<b>125</b>
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		