

PROGRAM ARTICULATION DEGREE PLAN					
College of Lake County 2021-2022		Southern Illinois University Carbondale			
AS Computer Science - 61 hrs		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs			
		University Core Curriculum (UCC) Capstone Option - 30 hrs			
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
CMM 121	Fundamentals of Speech	3	CMST 101	Intro to Oral Communication	T
ENG 121	English Composition I	3	ENGL 101	English Composition I	T
ENG 122 -or- ENG 126	English Composition II -or- Adv Composition: Scientific & Tech Communication	3	ENGL 102	English Composition II	NA
MTH 144	Precalculus	5	MATH 111	Precalculus	T
	IAI Social Science	3	SOCIAL SCIENCE		T
	IAI Social Science	3	SOCIAL SCIENCE	(See SIUC Transfer equivalency guide)	T
HUM 127 -or- PHI 122	Critical Thinking -or- Logic	3	PHIL 105	Elementary Logic	T
			HUMANITIES		NA
PHY 121*	General Physics I	5	PHYS 203/253A	College Physics/Lab	T
BIO 120 -or- BIO 141 -or- BIO 161	Environmental Biology - or- Concepts in Biology - or- General Biology I	4	LIFE SCIENCE, GRP II		T
	IAI Fine Arts	3	FINE ARTS	(See SIUC Transfer equivalency guide)	T
			HUMAN HEALTH		NA
			MULTICULTURAL		NA
*recommended to fulfill BS degree requirements		35	The AS degree completes the University Core Curriculum requirements.		
Program Requirements		Program Requirements			
CLC 120	College Success Seminar	2	The AS degree in Computer Science as articulated fulfills the 22 hrs of technical electives and the following course requirements for the BS degree in Industrial Management & Applied Engineering.		
MCS 141	Computer Science I	4			
MCS 142	Computer Science II	3			
MCS 240	Computer Organization and Architecture	3			
MTH 145	Calculus and Analytic Geometry I	5			
MTH 146	Calculus and Analytic Geometry II	4			
PHYS 122	General Physics II	5	PHYS 203/253B	College Physics/Lab	T
		26	IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psych	3
			IMAE 375	Production and Inventory Management	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated 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 Management	3
			IMAE Electives	(Must be at 300/400 level)	6
			Electives		11
					59
Total semester hrs completed w/ AA degree		61	Total semester hrs completed w/ BS degree		59
			Total hours to BS degree:		120
Degree plan created by SW 12/10/21			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		