

PROGRAM ARTICULATION DEGREE PLAN		Southern Illinois University Carbondale		
College of Lake County 2021-2022		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
AAS Automotive Technology - 65-67 hrs		University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs	Hrs	
		UNIV 101	Saluki Success	
		3 CMST 101	Intro to Oral Communication	
MCM 121	Fundamentals of Speech	3	T	
ENG 121	English Composition I	3	T	
		ENGL 101	English Composition I	
		ENGL 102	English Composition II	
MTH 122*	College Algebra	5	NA	
	IAI SOCIAL SCIENCES	3	T	
		MATH 108 (fulfills BS degree requirement)	College Algebra	
		SOCIAL SCIENCE	(See SIUC Equivalency Guide)	
		SOCIAL SCIENCE	3	
	IAI HUMANITIES or FINE ARTS	3	T	
		HUMANITIES	(See SIUC Equivalency Guide)	
		HUMANITIES	NA	
		PHYS 203/253A	College Physics/Lab	
		LIFE SCIENCE, GRP II	Students take 2 physics courses	
		FINE ARTS	3	
		HUMAN HEALTH	NA	
		MULTICULTURAL	3	
*recommended to complete BS requirement		17	13	
Program Requirements		Program Requirements		
CLC 120	College Success Seminar	2	The AAS degree in Automotive Technology as articulated fulfills the 22 hrs of technical electives and the following course requirements for the BS degree in Industrial Management & Applied Engineering.	
AUT 110	Introduction to Automotive Technology	3		
AUT 111	Engine Repair	4		
AUT 112	Braking Systems	4		
AUT 113	Suspension and Alignment	4		
AUT 131	Auto Electrical I	4		
AUT 132	Manual Drive Train and Axles	4		
AUT 231	Auto Electrical II	4		
AUT 232	Automatic Transmissions and Trans Axles	4		
AUT 233	Advanced Driveline Systems	3		
AUT 251	Powertrain Controls	4		
AUT 252	Powertrain Management	4		
AUT 275	Air Conditioning and Heating	4		
AUT 290 -or- EWE 120 and EWE 220	Automotive Service (4 credits) -or- Job Readiness Skills (1 credit) and Internships (1-3 credits)	2-4		
		48-50		
		IMAE 110		Geometric Dimensioning & Tolerancing
		PHYS 203/253B	College Physics/Lab	
		IMAE 208	Fundamentals of Manufacturing Processes	
		IMAE 305	Industrial Safety	
		IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc	
		IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psych	
		IMAE 375	Production and Inventory Management	
		IMAE 390	Cost Estimating	
		IMAE 392	Facilities Planning & Workplace Design	
		IMAE 442	Fundamentals of Leadership	
		IMAE 445	Computer Integrated Manufacturing	
		IMAE 450	Project Management	
		IMAE 465	Lean Manufacturing	
		IMAE 470A	Six Sigma Green Belt I	
		IMAE 470B	Six Sigma Green Belt II	
		IMAE 476	Supply Chain Management	
		IMAE Electives	(Must be at 300/400 level)	
			52-53	
Total semester hrs completed w/ AAS degree		65-67	Total semester hrs completed w/ BS degree	
			65-66	
			Total hours to BS degree:	
			130-132	
Degree plan updated by SW 11/30/2021		**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		