

PROGRAM ARTICULATION DEGREE PLAN			
College of Lake County 2023-2024		Southern Illinois University Carbondale	
Associate in Engineering Science - 62 hrs		BS Mechanical Engineering (ME) - Capstone Option 126 hrs	
General Education		University Core Curriculum (UCC) - 30 hrs	
		Hrs	Hrs
		UNIV 101	Saluki Success
		CMST 101	Intro:Oral Communication
ENG 121	English Composition I	3 ENGL 101	English Composition I
ENG 122	English Composition II	3 ENGL 102	English Composition II
MTH 145	Calculus and Analytic Geometry I	5 MATH 150	Calculus I
PSY 121	Intro to Psych or IAI Social & Behavioral & Science	3 PSYC 102	Intro to Psychology
ECO 222	Prin of Microeconomics or IAI Social & Behavioral Science	3 ECON 240	Intro to Microeconomics
PHI 125	Intro to Ethics or IAI Humanities/Fine Arts	3 PHIL 104	Ethics
		HUMANITIES	NA
PHY 123	Physics for Science & Engr I	5 PHYS 205A/255A	University Physics/Lab
PHY 124	Physics for Science & Engr II	5 PHYS 205B/255B	University Physics/Lab
		LIFE SCIENCE	3
		FINE ARTS	3
		BIOL 202 (Required for BS)	Human Genetics & Health
		MULTICULTURAL	3
		30	14
Program Requirements		Program Requirements	
CLC 120	College Success Seminar	2	Any courses not articulated will be used to satisfy general elective credit.
CHM 121	General Chemistry I	5 CHEM 200/201	Intro to Chemical Principles/Lab
CHM 123 (recommended)*	General Chemistry/Lab	5 CHEM 210/211 (required)	General and Inorganic Chemistry/Lab
MTH 146	Calculus and Analytic Geometry II	4 MATH 250	Calculus II
MTH 246	Calculus and Analytic Geometry III	5 MATH 251	Calculus III
MTH 227	Ordinary Differential Equations	3 MATH 305	Intro to Differential Equations
EGR 121 (recommended)*	Engineering Graphics	3 ME 102 (required)	Computer-Aided Engr Drawing
EGR 222 (recommended)*	Mechanics of Materials	3 ENGR 350A (required)	Mechanics of Materials
EGR 125 (recommended)*	Engineering Statics	3 ENGR 250 (required)	Statics
EGR 225 (recommended)*	Engineering Dynamics	3 ENGR 261 (required)	Dynamics
EGR 260 (recommended)*	Intro to Circuit Analysis	3 ENGR 335 (required)	Electric Circuits
MCS 140	Computer Programming I	3 CS 202 (elective)	Intro to Computer Science
		42	
*Courses can be taken at CLC or SIUC		ME 222	MATLAB for ME
		ENGR 351	Numerical Methods
		ENGR 370A	Fluid Mechanics
		ME 300	Engineering Thermodynamics I
		ME 302	Engineering Heat Transfer
		ME 309	Mechanical Analysis & Design
		ME 312	Materials Sci Fundamentals
		ME 336	System Dynamics & Control
		ME 401	Thermal Measurements Lab
		ME 407	Measurements & Instrumentation
		ME 411	Mnfg Methods: Engr Matls
		ME 475	Machine Design I
		ME 495A	Mechanical Engr Design
		ME 495B	Mechanical Engr Design
		ME Electives	Choose from 400 level ME courses
			15
			53
Total semester hrs complete w/ AAS degree		72	Total semester hrs complete w/ BS degree
			67
			Total hours to BS degree:
			139
Degree plan created by RP on 11/30/2023			