

Bachelor of Science in Engineering (Manufacturing)

Examples of course transfer equivalencies at
Lake Michigan College:

Lake Michigan College **Western Michigan University**

CHEM 111, Gen Chemistry	CHEM 1100, Gen Chemistry and CHEM 1110 Lab
CIS 254*, Comp. Programming	CS 1040, Comp. Programming
COMM 101, Public Speaking	COM 1040, Public Speaking
DRAF 102*, Machine Drawing and MACH 130, Precision Inspection	MFE 1200, Engineering Design and Verification
ENGL 103*, Report Writing	IME 1020, Tech Communications
ENGR 103, Beginning Engineering Drawing or DRAF 101, Technical Drawing Fundamentals	IME 1420, Engineering Graphics
MANU 111, Manufacturing Process	IME 1500, Introduction to Manufacturing
MATH 151, Calculus I	MATH 1220, Calculus I
MATH 201, Calculus II	MATH 1230, Calculus II
MATH 202, Calculus III	MATH 2720, Vector Calc.
MATH 252, Diff Eqns	MATH 3740, Lin Algebra and Diff Eqns
MACH 241, CNC Programming I	MFE 2200, Principles of NC/CNC Machining
PHIL 102, Intro to Logic	PHIL 2200, Critical Reasoning
PHYS 201, Eng. Phys. I	PHYS 2050, 2060 Mechanics and Heat, Lab
PHYS 202, Eng Physics II	PHYS 2070, 2080 Electricity and Light, Lab
PHED 200 & PHED 220, Healthful Living I & II	Area 8 - Health and Well-Being

*Not all of the following LMC courses have received transfer approval. Please talk to an advisor for details.



WMU Program Curriculum

Foundational and Pre-Engineering Curriculum (38 hours)

MATH 1220	Calculus I (4)
MATH 1230	Calculus II (4)
MATH 2720	Vector and Multivariate Calculus (4)
MATH 3740	Linear Algebra & Differential Eqns. (4)
CHEM 1100	General and Inorganic Chemistry (3)
CHEM 1110	General Chemistry Lab (1)
CS 1040	C Programming (2)
PHYS 2050	Mechanics and Heat (4)
PHYS 2060	Mechanics and Heat Lab (1)
PHYS 2070	Electricity and Light (4)
PHYS 2080	Electricity and Light Lab (1)
IME 1020	Technical Communications (3)
MFE 1200	Engineering Design and Verification (3)

Manufacturing Engineering Curriculum (76 hours)

PHIL 2200	Critical Reasoning (3)
PHIL 3160	Ethics in Engineering and Tech (3)
IME 1420	Engineering Graphics
ME 2560	Engineering Statics (3)
ME 2570	Mechanics of Materials (3)
ME 2580	Engineering Dynamics (3)
COM 1040	Public Speaking (3)
ECE 2120	Electronic Circuits and Systems (3)
ECE 3120	Fund. of Electronics and Machines (3)
IME 1420	Engineering Graphics
IME 1500	Introduction to Manufacturing (3)
IME 2610	Engineering Statistics (3)
IME 3100	Engineering Economy (3)
IME 3160	Report Preparation (3)
MFE 2200	Principles of NC/CNC Machining (3)
MFE 3300	Manufacturing Materials (4)
MFE 3400	Design for People at Work (3)
MFE 3600	Computer Control of Man. Process (3)
MFE 4200	Advanced Manufacturing Processes (4)
MFE 4240	Tool Design (3)
MFE 4300	Manufacturing Material II (4)
MFE 4400	Production Engineering (3)
MFE 4420	Quality Assurance (3)
MFE 4440	Simulation of Industrial Operations (3)
MFE 4800	Senior Design I (2)
MFE 4820	Senior Design II (2)

General University Requirements (14 hours)