

MUSKEGON COMMUNITY COLLEGE

This Transfer Guide is designed to provide a seamless transition between the Associate of Applied Science and Arts (ASA) degree at Muskegon Community College and the Mechanical Engineering degree at Baker College.

For additional information about Baker College's transfer process and available scholarships, go to <https://www.baker.edu/admissions-and-aid/transfer-students/>.

PROGRAM REQUIREMENTS:

TRANSFER CREDITS FROM MUSKEGON COMMUNITY COLLEGE

MCC Course No.	Course Title	Credit Hours
ENG 101/102	English Composition I/II	06
COURS	Ethics and Logic	03
COURS	Social Relationships	03
CULTURE	American Culture/ International Culture/ Western Culture	09
COURS	Aesthetic Values	03
COURS	Physical Education	02
MATH 161/162A/283	Calculus I/II/III	12
MATH 295	Differential Equations	04
CHEM 100LEC & A	Fund. of Chemistry & Lab	05
PHY203/204L&L	Engineering Physics	10
CAD 110	Introduction to CAD	03
ENGR 105	Introduction to Engineering	04

TOTAL MUSKEGON CC CREDITS 64

BC Course No.	Course Title	Credit Hours
ENG 1010/1020	Composition I/II	06
MTH 1510/2510	Calculus I/II	08
MTH 3510	Multivariable Calculus	04
MTH 3550	Differential Equations	04
SCI 2460	General Chemistry	04
SCI 2510/2520	General Physics I/II	08
PSY 1010	General Psychology	03
SOC 3210	Cultural Diversity	03
HUM 4010	Philosophy of Ethics	03
SPK 2010	Oral Communications	03
EGR 1010	Engineering Graphics	02
EGR 1050	Intro to Engineering and Design	02

TOTAL CREDITS TRANSFERRED TO BAKER COLLEGE FROM MUSKEGON CC 50

COURSES TO BE COMPLETED WITH BAKER COLLEGE

Course No.	Course Title	Credit Hours
EE 2110	Circuits and Electronics I	04
EE 3610	Dynamic Systems and Control	03
EGR 2710	Computing for Engineers	02
EGR 3210	Engineering Economy	02
EGR 4910	Engineering Project Management	03
EGR 4920	Senior Design Project	02
ISE 2110	Manufacturing Processes	03
ME 2110	Materials Science	04
ME 2210	Statics	03
ME 2250	Dynamics	03
ME 2410	Introduction to 3D Modeling	03
ME 2450	Introduction to Computer Aided Engineering	02
ME 3210	Solid Mechanics	03
ME 3220	Solid Mechanics and Vibrations Lab	01
ME 3250	Vibrations	03
ME 3270	Mechanical Design	04
ME 3310	Thermodynamics	03
ME 3410	Fluid Mechanics	03
ME 4310	Heat Transfer	03
ME 4350	Thermal Systems Lab	01
ME	Mechanical Engineering Technical Elective I/II/III	09
MTH 2750	Statistical Methods	03
WRK 3010	Work Experience	03

TOTAL CREDIT HOURS REMAINING AT BAKER COLLEGE 70

MECHANICAL ENGINEERING PROGRAM TOTAL 120

ARTICULATION AGREEMENT

This Transfer Guide is part of a formal Articulation Agreement between Baker College and Muskegon Community College. The complete, signed document is kept on file at both Muskegon Community College and Baker College.

Effective Date: January 1, 2018 - December 31, 2020