

MUSKEGON COMMUNITY COLLEGE

This Transfer Guide is designed to provide a seamless transition between the Associate in Science and Arts (ASA) degree at Muskegon Community College and the Bachelor of Science in Electrical 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 With Linear Algebra	04
CHEM100LEC & A	Fund. of Chemistry & Lab	05
PHY203/204 L&L	Engineering Physics	10
ENGR 105	Introduction to Engineering	04
CIS 120A	Introduction to CIS	03
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 and Linear Algebra	04
SCI 2460	General Chemistry	04
SCI 2510	General Physics I/II	08
PSY 1010	General Psychology	03
SOC 3210	Cultural Diversity	03
HUM 4010	Philosophy of Ethics	03
SPK 2010	Oral Communication	03
EGR 1050	Intro to Engineering/Design	02
CS 1110	Intro to Programming	03

TOTAL CREDITS TRANSFERRED TO BAKER COLLEGE FROM MUSKEGON CC **51**

COURSES TO BE COMPLETED WITH BAKER COLLEGE

Course No.	Course Title	Credit Hours
CS 2150	C++ Programming	03
EE 2110/2120/3130	Circuits and Electronics I/II/III	12
EE 2210	Digital Logic and Circuits	03
EE 3210	Microprocessors and Microcontrollers	03
EE 3250	Automation and Control	02
EE 3270	Electromagnetic Fields and Waves	01
EE 3410	Dynamic Systems and Control	04
EE 3610	Signals and Systems	03
EE 4310	Energy Conversion and Power Electronics	03
EE 4510	Robotics	04
EE 4610	Robotics	03
EGR 2710	Computing for Engineers	02
EGR 3210	Engineering Economy	02
EGR 4910	Engineering Project Management	03
EGR 4920	Senior Design Project	02
ELECTIVE	Electrical Engineering Technical Electives I/II/III	09
ME 2110	Materials Science	04
MTH 2750	Statistical Methods	03
WRK 3010	Work Experience	03

TOTAL CREDIT HOURS REMAINING AT BAKER COLLEGE **69**

ELECTRICAL 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