Baker College

MOTT COMMUNITY COLLEGE

This Transfer Guide is designed to provide a seamless transition between the Associate in Science degree at Mott Community College and the Bachelor of Science in 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 MOTT COMMUNITY COLLEGE

MCC Course No.	Course Title	Credit Hours
ENGL 101/102	English Composition I/II	06
ELECTIVES	Humanities Electives	06
ELECTIVES	Social Sciences Electives	06
MATH 170/180	Analytic Geo. & Calculus I/II	10
CHEM 131/L	General Chemistry I/Lab	05
CHEM 131R	General Chemistry I Recitation	00
PHYS 287/L	General Physics I/Lab	05
CADD 160*	Fundamentals of Design	03
ENGR 247/249*	Vector Mechanics I/II	06
MATH 150*	Probability and Statistics	04
MATH 250*	Multivariable Calculus	05
MATH 270*	Linear Algebra	03
MATH 280*	Differential Equations	04
PHYS 288/L*	General Physics II/Lab	05
TOTAL MOTT CC CREDITS		**68**

BC Course No.	Course Title	Credit Hours
ENG 1010/1020	Composition I/II	06
MTH 2750	Statistical Methods	03
MTH 1510/2510	Calculus I/II	08
MTH 3510	Multivariable Calculus	04
MTH 3550	Diff. Equation & Linear Algebra	04
SCI 2460	General Chemistry	04
SCI 2510/2520	General Physics I/II	08
ECN 2010	Principles of Macroeconomics	03
SOC 3210	Cultural Diversity	03
HUM 4010	Philosophy of Ethics	03
SPK 2010	Oral Communications	03
EGR 1010A	Engineering Graphics	02
ME 2210	Statistics	03
ME 2250	Dynamics	03
TOTAL CREDITS TRANSFERRED TO BAKER FROM MOTT CC		**57**

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 Design	03
EGR	1050	Computing to Engineering and Design	02
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	2410	Introduction to 3D Modeling	03
ME	2450	Introduction to Computer Aided Engineering (CAE)	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
ELECTIVES		Mechanical Engineering Technical Elective I/II/III	09
WRK	3010	Work Experience	03
TOTAL CREDIT HOURS REMAINING AT BAKER COLLEGE			**63**
PROGRAM TOTAL			**120**

* Mott CC Elective - Required for Baker College Transfer

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

Effective Date: August 1, 2018 - July 31, 2021