EASTERN MICHIGAN UNIVERSITY TRANSFER GUIDE
COLLEGE OF ENGINEERING AND SCIENCE
ENGINEERING PROGRAMS – OLD CORE

The following courses will transfer into the University of Detroit Mercy Engineering programs [Architectural, Civil, Electrical/Computer, Mechanical, and Robotics & Mechatronic Systems]. Students may transfer a maximum of 96 credits. Course grades must be C or better. Additional courses not on this guide may also transfer. This guide reflects the Old Core Curriculum effective prior to Fall 2017. Transfer students starting between Fall 2017 and Summer 2021 will have the option to select this Old Core or the New Core. See Transfer Guides indicating “NEW CORE” for the new requirements.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245 or admissions@udmercy.edu. Website: udmercy.edu

EASTERN MICHIGAN UNIVERSITY COURSES
Required Objective 1 courses:
ENGL 121 Comp II: Researching the Pub Exp
CTAC 124 or CTAC 224

Required Objective 2 and 3 courses:

Required Objective 4 courses:
PHIL 100 Introduction to Philosophy
HIST 100, 201-204, 303, 304, 306, 307, 334; PHIL 291
HIST 100, 201-204, 303, 304, 306, 307, 334;
any PHIL course (min 3 credits)

Required Objective 5 courses:
All engineering disciplines select one OB5D course. Civil, Electrical/Computer, Mechanical, and Robotics & Mechatronic Systems Engineering students also select any two courses total from OB5A, OB5B and/or OB5C.

AFC 102; HIST 101, 106, 109, 123, 124, 315, 319,
330, 341, 356, 457
LITR 100, 101, 102, 103, 160
AFC 370; ARTH 100, 161, 162, 263, 264; ARTS 101;
CTAR 150L, 158; MUSC 107, 108; PHIL 310
ANTH 135; CTAC 274; ECON 370; FRNH 111, 121,
122, 221, 222; GEOG 110; GERN 111, 121, 122,
221, 222; GREK 101, 102, 201, 202; HIST 110, 115, 335;
JPNE 121, 122, 211, 212; LATN 101, 102, 201, 202;
PLSC 120, 211; SPNH 111, 121, 122, 233, 234

Required Objective 6 course:
PHIL 220, 221 (if not used for OB4C)

Math, Science, and Engineering Courses
All Engineering disciplines:
CHEM 121 General Chemistry I
CHEM 122 General Chemistry I Laboratory
MATH 120 Calculus I
MATH 121 Calculus II
MATH 223 Multivariable Calculus
MATH 325 Differential Equations
MATH 370 Probability and Statistics I
PHY 223 Mechanics and Sound
PHY 224 Electricity and Light

DETROIT MERCY EQUIVALENCIES
Communication Skills:
ENL 1310 Academic Writing OB1
CST 1010 Fundamentals of Speech OB1

Math & Computer Skills/Scientific Literacy

Meaning & Value:
PHIL 1000 Introduction to Philosophy OB4A
Choose 1 Religious Studies Course OB4B
Choose 1 add'l Philosophy or Religious Studies OB4C

Diverse Human Experience:
Historical Experience courses OB5A
Literary Experience courses OB5B
Aesthetic Experience courses OB5C
Choose 1 Comparative Experience course OB5D

Social Responsibility:
Choose 1 Ethics course OB6A
(ENGR 1000 at UDM is recommended)

Based on the 2015-2016 EMU catalog.
12/15/2015
Additional courses for Architectural Engineering:
BIO 105, 107, 110, 120; CHEM 123; MATH 122
(or another approved science or math course)
Choose 1 approved Science or Math course

CHEM 341 Fundamentals of Material Science
ENGR 3100 Science of Materials

PHY 229 Strength & Elasticity of Materials
ENGR 3260/3270 Mechanics of Materials/Lab

PHY 230 Engineering Dynamics
ENGR 3130 Dynamics

PHY 360 Heat and Thermodynamics
ENGR 3150 Thermodynamics I

PHY 485 Fluid Dynamics
ENGR 3140 Fluid Mechanics

If EMU’s PHY 223, 229, and 230 courses are all taken, UDM’s ENGR 3120 Statics will also transfer.

Additional courses for Civil Engineering:
BIO 105, 107, 110, 120
(or another approved Biology course)
Choose 1 approved Biology Course

CHEM 341 Fundamentals of Material Science
ENGR 3100 Science of Materials

CNST 206 Surveying
CIVE 3400/3410 Civil Engr: Surveying, CAD, GIS/Lab

COSC 246 Programming in C++
CSSE 1712 Intro to Programming I

PHY 229 Strength & Elasticity of Materials
ENGR 3260/3270 Mechanics of Materials/Lab

PHY 230 Engineering Dynamics
ENGR 3130 Dynamics

PHY 360 Heat and Thermodynamics
ENGR 3150 Thermodynamics I

PHY 485 Fluid Dynamics
ENGR 3140 Fluid Mechanics

If EMU’s PHY 223, 229, and 230 courses are all taken, UDM’s ENGR 3120 Statics will also transfer.

Additional courses for Electrical/Computer Engineering:
COSC 246 Programming in C++
CSSE 1712 Intro to Programming I

COSC 405 Switching Theory
ELEE 2640 Digital Logic

COSC 422 Intro to Microprocessors
ELEE 3860 Intro to Microcontrollers

COSC 439 Computing Network Principles
ELEE 4680 Computer Networking
(Tech Elective or Required for Comp Engr Concentration)

PHY 450 Electricity and Magnetism II
ELEE 3660 Electromagnetics I

Additional courses for Mechanical Engineering:
CHEM 341 Fundamentals of Material Science
ENGR 3100 Science of Materials

COSC 246 Programming in C++
CSSE 1712 Intro to Programming I

PHY 229 Strength & Elasticity of Materials
ENGR 3260/3270 Mechanics of Materials/Lab

PHY 230 Engineering Dynamics
ENGR 3130 Dynamics

PHY 360 Heat and Thermodynamics
ENGR 3150 Thermodynamics I

PHY 485 Fluid Dynamics
ENGR 3140 Fluid Mechanics

If EMU’s PHY 223, 229, and 230 courses are all taken, UDM’s ENGR 3120 Statics will also transfer.

Additional courses for Robotics and Mechatronic Systems Engineering:
COSC 246 Programming in C++
CSSE 1712 Intro to Programming I

COSC 405 Switching Theory
ELEE 2640 Digital Logic

COSC 422 Intro to Microprocessors
ELEE 3860 Intro to Microcontrollers

PHY 229 Strength & Elasticity of Materials
ENGR 3260/3270 Mechanics of Materials/Lab

PHY 230 Engineering Dynamics
ENGR 3130 Dynamics

If EMU’s PHY 223, 229, and 230 courses are all taken, UDM’s ENGR 3120 Statics will also transfer.

Entrance Requirements
- Minimum 2.5 GPA based on 24 or more credits earned at EMU (and/or other accredited institutions).
- If less than 24 credits have been earned, a student’s high school transcript is required.
- Apply to UDM at udmercy.edu/apply; the application is free.

If you have any questions regarding EMU courses and how they transfer to Detroit Mercy, contact the Transfer Credit Team at 313-993-1940 or registrar@udmercy.edu.

Contact Detroit Mercy to learn more about scholarships, award-winning faculty, and co-op. For over 100 years, Detroit Mercy has been preparing talented engineers through an excellent academic curriculum and the required co-op program. Students obtain one year of experience and earn an average of over $25,000 during their three co-op assignments.

Based on the 2015-2016 EMU catalog. 12/15/2015