



MUSKEGON COMMUNITY COLLEGE EQUIVALENCY GUIDE

Engineering Programs College of Engineering and Science

Entrance Requirements: 2.5 GPA based on at least 24 semester hours of credit.

The following courses will transfer into a University of Detroit Mercy Engineering program [Civil/Environmental, Electrical/Computer, Manufacturing or Mechanical.] According to transfer policy, courses not on this guide may also be transferable. Students may transfer a maximum of 63 semester hours of credit toward their degree.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245, 800-635-5020 or admissions@udmercy.edu. In order to qualify for a required cooperative education placement as early as the summer following the sophomore year, contact Transfer Director, Carolyn Rimle, at rimlec@udmercy.edu or 313-993-1530 at the beginning of the sophomore year, or earlier.

UDM Website: www.udmercy.edu

MUSKEGON COMM COLLEGE COURSES

Math, Science, Engineering Courses:

CAD 110	Intro to Computer-Aided Drafting and
ENGR 105	Introduction to Engineering
CHEM 101 ^{LEC}	General and Inorganic Chemistry
CHEM 101A	General and Inorganic Laboratory
CHEM 102 ^{LEC}	General and Inorganic Chemistry ¹
CIS 185	C Programming
ENGR 202	Statics ¹
ENGR 204	Engineering Dynamics ¹
MATH 161	Calculus I
MATH 162	Calculus II
MATH 283	Calculus III
MATH 215	Probability and Statistics for Engineering
MATH 295	Differential Equations w/ Linear Algebra
PHYS 203	Engineering Physics L & L
PHYS 204	Engineering Physics L & L

UDM EQUIVALENCIES

E 105	Engr Graph & Design and
E 100	Ethics & Politics of Engr
CHM 107	General Chemistry I
CHM 110	Chemistry Laboratory I
CHM 108	General Chemistry II
E 204	Intro to Engr Computing
E 312	Statics
E 313	Dynamics
MTH 141	Analytic Geom & Calculus I
MTH 142	Analytic Geom & Calc II
MTH 241	Analytic Geom & Calc III
MTH 427	Applied Prob and Statistics
MTH 372	Diff Eq w/Linear Algebra
PHY 160/161	General Physics I/Lab
PHY 162/163	General Physics II/Lab

Core Curriculum Courses:

COM 201	Public Speaking	CST 101	Fund of Speech (Obj 1)
ENG 101	English Composition	ENL 131	Academic Writing (Obj 1)
BCOM 101	Business and Technical Communication	ENL 303	Technical Writing
PHIL 101	Basic Concepts of Philosophy	PHL 100	Intro to Philosophy (Obj 4)
PHIL 102-205			Choose 1 add'l Philosophy course (Obj 4)
PHIL 210	World Religions		Religious Studies requirement (Obj 4)

¹ Not required by Electrical/Computer Engineering program.

Core Curriculum continued

UDM's Objective 5 - Select up to **three courses** from the following list. One course must address “comparative experiences” or come from a foreign language department. Contact Carolyn Rimle at 313-993-1530 or rimlec@udmercy.edu for exceptions or clarifications to this list.

Muskegon Community College courses:

Anthropology: ANTH 103, 110

Art: ART 198-202

Communications: COM 203

English: ENG 102, 200-208, 211, 213, 218, 225-228

Geography: GEOG 102A, 105

History: HIST 101-220

Humanities: HUM 195

Political Science: PSCI 211

Social Science: AS 201

Theater: TH 101, 201

Women's Studies: WS 101

Foreign Language (only one course may be used to fulfill the OBJ 5 requirement)

UDM FAST FACTS

US News and World Report Ranking – The 2005 edition of the *U.S. News and World Report's* “America’s Best Colleges” ranks the University of Detroit Mercy as one of the top 25 Midwestern master’s universities – the highest ranked of all Michigan schools in this category. UDM is also featured as one of only 15 Midwest universities in the magazine’s “Best Values: Great Schools at Great Prices” category.

UDM is affordable! Combining co-op income and potential scholarships and financial aid, you may have little out-of-pocket expenses. See details below.

Co-op Leader – For all engineering students at UDM, co-op integrates real engineering practice with a rigorous on-campus education that includes computing and laboratory intensive components. UDM has one of the few four-year engineering programs in the country where all students obtain one full year of experience prior to graduation. Besides valuable experience, students earn an average of over \$28,000 during their three co-op rotations. In some cases we encourage transfer students to co-op just prior to beginning classes at UDM. This provides a significant amount of income toward tuition. Previous engineering related work experience can be considered for transfer credits.

Scholarships – UDM has several internally and externally funded scholarships (including full tuition grants) established for transfer students. Contact the Admissions office at 313-993-1245 or admissions@udmercy.edu to determine if you qualify.

Teaching Scholars – The faculty of the College of Engineering and Science has become a community of *teaching scholars*, leading the nation in attracting National Science Foundation grants (over 30 in recent years) for laboratory instrumentation and curriculum development. All equipment is used in undergraduate instructional labs. Faculty members, not teaching assistants, teach all major courses.

Student Leadership - To gain professional, technical and social connections, we highly encourage participation in at least one of the 25 College organizations or numerous University clubs.

Location - UDM, located in Northwest Detroit, has close proximity to numerous corporations including many companies' headquarters. The Metro Detroit area is also home to a wide variety of cultural activities, entertainment, and sports teams. We invite you to visit!

