



MONROE COUNTY COMMUNITY COLLEGE
EQUIVALENCY GUIDE
COLLEGE OF ENGINEERING AND SCIENCE
ENGINEERING PROGRAMS

Entrance Requirements: 2.5 GPA based on at least 24 semester hours of credit. If less than 24 credits have been taken, high school transcripts are required.

The following courses will transfer into a University of Detroit Mercy Engineering program [Civil/Environmental, Electrical/Computer, Manufacturing, or Mechanical]. According to transfer policy, additional courses not on this guide may also be transferable.

To arrange a campus visit, contact an Admissions Counselor at 800-635-5020, 313-993-1245 or admissions@udmercy.edu. In order to determine when you may begin the cooperative education program, contact Carolyn Rimple at 313-993-1530 or rimlec@udmercy.edu.

UDM website: www.udmercy.edu

MONROE COUNTY COMM COLLEGE COURSES UDM EQUIVALENCIES

Math, Science, Engineering Courses:

CHEM 151	General College Chemistry I	CHM 107/110	General Chemistry I/ Lab
CHEM 152	General College Chemistry II ¹	CHM 108/112	General Chemistry II/ Lab
CIS 150	Computer Science I	E 204	Intro to Engr Computing
MATH 171	Calculus I	MTH 141	Analytic Geom & Calc I
MATH 172	Calculus II	MTH 142	Analytic Geom & Calc II
MATH 271	Calculus III	MTH 241	Analytic Geom & Calc III
MATH 251	Introduction to Linear Algebra and		
MATH 273	Introduction to Differential Equations	MTH 372	Differential Eq w/Linear Alg
PHY 251	Engineering Physics I	PHY 160/161	General Physics I/ Lab
PHY 252	Engineering Physics II	PHY 162/163	General Physics II/ Lab

Core Curriculum Courses:

ENGL 152	English Composition II	ENL 131	Academic Writing (Obj 1)
SPCH 152	Public Speaking	CST 101	Fund of Speech (Obj 1)
ENGL 155	Technical Writing	ENL 303	Technical Writing
PHIL 151	Introduction to Logic	PHL 150	Introduction to Logic (Obj 4)
PHIL 152	Introduction to Western Philosophy	PHL 100	Intro to Philosophy (Obj 4)
PHIL 253	Introduction to the Philosophy of Religion		Fulfills 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 UDM Transfer Director, Carolyn Rimle, at 313-993-1530 or rimlec@udmercy.edu for exceptions or clarifications to this list.

Monroe County Community College courses:

Anthropology: ANTHR 152

Art: ART 155, 280-282

English: ENGL 240-253, 255, 260, 267, 268

Geography: GEOG 152

History: HIST 151-256

Humanities: HUMAN 151

Music: MUSIC 265-268

Political Science: POLSC 151 (transferable for students who complete Associate of Science degree), POLSC 211

Theater: THEA 151

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

HIGHLIGHTS

Great Reputation - For the seventh consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Master's Universities in the 2008 edition of the *U.S. News and World Report's* "America's Best Colleges." In the magazine's "Great Schools, Great Prices" listing, UDM ranked third in its category. According to *U.S. News*, this ranking highlights the best financial value as it relates to a school's academic quality. Also, UDM engineering programs are accredited by ABET.

UDM is affordable! Nearly 80% of UDM students receive financial aid and/or scholarships. Combining co-op income and potential scholarships and financial aid, you may have little out-of-pocket expenses. To determine if you qualify for any of UDM's transfer scholarships (including full tuition grants), contact the Admissions office at 800-635-5020, 313-993-1245 or admissions@udmercy.edu.

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 nearly \$30,000 during their three co-op rotations. This provides a significant amount of income for tuition. Previous engineering related work experience can be considered for transfer credits.

Get a Job! - 100% of UDM graduating engineering students in August 2007 either had a job offer or had been accepted to graduate school on their graduation day.

Excellent Faculty – UDM's small classes are taught by experienced professors (not teaching assistants) who help foster a positive learning environment. Engineering faculty conduct research, receive grant money for lab equipment and curriculum development, work in industry, and win national teaching awards.

Dual Enrollment – To ease the transition between Monroe CCC and UDM, it is an option to take one or more engineering courses at UDM while completing courses at MCCC. Contact Carolyn Rimle (see above) for specific courses, which vary by department.

Campus Activities – To gain professional, technical and social connections, we highly encourage participation in at least one of the many Engineering and Science organizations or University clubs.

We are Closer than you may think! - UDM, located in Northwest Detroit and easily accessible from many major freeways (including I-75), is close to numerous corporations including many companies' headquarters. The Metro Detroit area is also home to many sports teams, cultural activities and entertainment. We invite you to visit!

