



**GRAND RAPIDS COMMUNITY COLLEGE
EQUIVALENCY GUIDE
COLLEGE OF ENGINEERING AND SCIENCE
ENGINEERING PROGRAMS**

Entrance Requirements: 2.50 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 transfer. Students may transfer a maximum of 63 semester hours of credit toward their degree.

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 Rimle at 313-993-1530 or rimlec@udmercy.edu.

UDM website: www.udmercy.edu

GRAND RAPIDS COMM COLLEGE COURSES

Math, Science, Engineering Courses:

CM 103	or 113	Gen'l Chem 1 / Honors Chemistry 1
CM 104	or 114	Gen'l Chem 2 / Honors Chemistry 2 ¹
CO 127		C/C++ Programming
EG 208		Statics ¹
EG 212		Dynamics ¹
MA 133		Calculus with Analytic Geometry 1
MA 134		Calculus with Analytic Geometry 2
MA 255		Calculus with Analytic Geometry 3
MA 257		Differential Equations & Linear Algebra
PH 245		Calculus Physics I
PH 246		Calculus Physics II

Core Curriculum Courses:

EN 102		English Composition 2
SC 131		Fundamentals of Public Speaking
EN 249		Technical Writing
HU 281		Exploring World Religions
PL 201		Introduction to Philosophy
PL 202-209		One Philosophy Course

UDM EQUIVALENCIES

CHM 107/110	General Chemistry I/Lab
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 & Calculus II
MTH 241	Analytic Geom & Calculus III
MTH 372	Differential Eq w/Linear Alg
PHY 160/161	General Physics I/Lab
PHY 162/163	General Physics II/Lab

ENL 131	Academic Writing (Obj 1)
CST 101	Fund of Speech (Obj 1)
ENL 303	Technical Writing
RS 100	Intro to Religion (Obj 4)
PHL 100	Intro to Philosophy (Obj 4)
	Choose 1 add'l Philosophy course (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.

Grand Rapids Community College courses:

Anthropology: AN 201, 210, 280

Art: AT 105, 106, 270, 271

English: EN 233-237, 252-282

Geography: GE 135, 210

History: HS 101-295

Humanities: HU 204-210, 273, 274

Music: MU 107, 109, 235-237

Political Science: PS 201, 215, 225

Sociology: SO 295

Theatre: TH 248

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

HIGHLIGHTS

Great Reputation – For the sixth consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Master's Universities in the 2007 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM is the top ranking Michigan university in this category. In the "Great Schools at Great Prices" listing, UDM moved up to the top 6% 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! Over 70% 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 scholarships (including full tuition grants) established for transfer students, 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. In some cases we encourage transfer students to co-op just prior to beginning classes at UDM. This provides a significant amount of income for tuition. Previous engineering related work experience can be considered for transfer credits.

Get a Job! - 92% of UDM graduating engineering students in 2006 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.

Campus Activities – To gain professional, technical and social connections, we highly encourage participation in at least one of the 25 College of Engineering and Science organizations or numerous University clubs.

Location - UDM, located in a residential area of Northwest Detroit, is easily accessible from many major freeways and 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!