



OAKLAND 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 University of Detroit Mercy Engineering programs [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 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 as soon as possible.

UDM Website: www.udmercy.edu

OAKLAND COMMUNITY COLLEGE COURSES

UDM EQUIVALENCIES

Math, Science, Engineering Courses:

CAD 1100	Intro to Comp Aided Design/Drafting and	E 105	Engr Graphics & Design and
EGR 1100	Introduction to Engineering	E 100	Ethics and Politics of Engr
CHE 1510	General Chemistry I	CHM 107/110	General Chemistry I/ Lab
CHE 1520	General Chemistry II ¹	CHM 108/112	General Chemistry II/ Lab
CIS 2252	Object-Oriented Programming (C++)	E 204	Intro to Engr Computing
MAT 1730	Calculus I	MTH 141	Analytic Geom & Calculus I
MAT 1740	Calculus II	MTH 142	Analytic Geom & Calculus II
MAT 2740	Calculus III	MTH 241	Analytic Geom & Calc III
MAT 2810	Differential Equations	MTH 372	Diff Equ w/ Linear Algebra
PHY 2400	Engineering Physics I	PHY 160/161	General Physics I/ Lab
PHY 2500	Engineering Physics II	PHY 162/163	General Physics II/ Lab
PHY 2520	Engineering Physics III ²	PHY 367	Modern Physics

Core Curriculum Courses:

ENG 1520	Composition II	ENL 131	Academic Writing (Obj 1)
SPE 1610	Fundamentals of Speech	CST 101	Fund of Speech (Obj 1)
PHI 1510	Introduction to Philosophy	PHL 100	Intro to Philosophy (Obj 4)
HUM 1710 or 2720			Choose 1 Religious Studies Course (Obj 4)
HUM 1710, 2720 or PHI 1520-1710			Choose 1 Phil or Relig Studies course (Obj 4)
ENG 2200	Professional Communication	ENL 303	Technical Writing

¹ Not required by Electrical/Computer Engineering programs. This or another science course may be used to fulfill a requirement for Mechanical and Manufacturing Engineering – consult with UDM advisor.

² Required by Electrical/Computer Engineering programs only.

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.

Oakland Community College courses:

Anthropology: ANT 1540 - 2750

Art: ART 1560, 1700, 2560, 2600, 2620

English: ENG 1610, 1710, 1720, 2300-2560, 2750, 2760, 2770

Foundational Studies: FSH 1500

Geography: GEO 1520

History: HIS 1510-1550, 1700-2620

Humanities: HUM 1510, 1520, 1900, 2900

Music: MUS 1540, 1550, 1560, 1585, 1590, 1600

Political Science: POL 2610

Sociology: SOC 2530

Theatre: THE 1561

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

UDM 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 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. 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 OCC and UDM, it is an option to take one or more engineering courses at UDM while completing courses at OCC. Contact Carolyn Rimle (see above) for specific classes, 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 a residential area of Northwest Detroit, is easily accessible from most major freeways. We invite you to visit!

