



**WAYNE COUNTY COMMUNITY COLLEGE DISTRICT
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.] Students may transfer a maximum of 63 semester hours of credit toward their degree. 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

WAYNE COUNTY COMM COLLEGE COURSES

UDM EQUIVALENCIES

Math, Science, Engineering Courses:

CHM 136	General Chemistry I
CHM 145	General Chemistry II ¹
CIS 209	C Programming Language
MAT 171	Analytic Geometry and Calculus I
MAT 172	Analytic Geometry and Calculus II
MAT 271	Analytic Geometry and Calculus III
MAT 273	Differential Equations
PHY 265	Physics for Scientists & Engineers I
PHY 275	Physics for Scientists & Engineers II

CHM 107/110	General Chemistry I/ Lab
CHM 108/112	General Chemistry II/ Lab
E 204	Intro to Engr Computing
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

Core Curriculum Courses:

ENG 120	English II
SPH 101	Fundamentals of Speech
ENG 270	Professional & Technical Report Writing
PHL 201	Introduction to Philosophy
PHL 101, 102	
PHL 101, 102, 211, 221	

ENL 131	Academic Writing (Obj 1)
CST 101	Fund of Speech (Obj 1)
ENL 303	Technical Writing
PHL 100	Intro to Philosophy (Obj 4)
Choose 1	Religious Studies course (Obj 4)
Choose 1	add'l Phil or Relig Studies (Obj 4)

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.

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.

Wayne County Community College District courses:

African-American Studies: AAS 120, 150-180, 253

Anthropology: ANT 152, 154

English: ENG 212-266, 285-292

Geography: GEG 202

History: HIS 151-262

Humanities: HUM 101-232

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

Music: MUS 121

Muslim World Studies: MWS 101-103

Political Science: PS 101

Sociology: SOC 230

Women Studies: WS 218

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 WCCCD and UDM, it is an option to take one or more engineering courses at UDM while completing courses at WCCCD. 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 a residential area of Northwest Detroit, is easily accessible from most major freeways. We invite you to visit!

