



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, 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
Biology/Ecology/Geology Course ²

CHM 1070/1100 General Chemistry I/ Lab
CHM 1080/1120 General Chemistry II/ Lab
ENGR 2040 Intro to Engr Computing
MTH 1410 Analytic Geom & Calculus I
MTH 1420 Analytic Geom & Calculus II
MTH 2410 Analytic Geom & Calculus III
MTH 3720 Differential Eq w/Linear Alg
PHY 1600/1610 General Physics I/Lab
PHY 1620/1630 General Physics II/Lab
Natural Science Requirement (Obj 3)

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 1310 Academic Writing (Obj 1)
CST 1010 Fund of Speech (Obj 1)
ENL 3030 Technical Writing
PHL 1000 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 or Civil/Environmental Engineering programs. CHEM 145 or *another science course* may be used to fulfill the requirement for Mechanical Engineering – consult with UDM advisor.

² Option for Civil/Environmental Engineering program 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. Additional courses may also fulfill this requirement. 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:

English: ENG 231, 233, 260

Geography: GEG 202

History: HIS 152, 249, 250, 261, 262

Humanities: HUM 141, 231, 232

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

UDM HIGHLIGHTS

Great Reputation – For the ninth consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Master's Universities in the 2010 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM was also rated one of the top 15 institutions in the "Great Schools, Great Prices" category. 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! - In less than seven months after the 2009 graduation, 95% of UDM's engineering graduates had received offers for positions in their fields or were attending graduate school.

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 many Engineering and Science organizations or University clubs.

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.

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!