



WASHTENAW 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]. Students may transfer a maximum of 63 semester hours of credit. According to transfer policy, additional courses not on this guide may also transfer.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245, 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

WASHTENAW CC COURSES

Math, Science, Engineering Courses:

CEM 111	General Chemistry I
CEM 122	General Chemistry II ¹
CPS 171	Intro to Programming with C++
MTH 191	Calculus I
MTH 192	Calculus II
MTH 293	Calculus III
MTH 295	Differential Equations
PHY 211	Analytical Physics I
PHY 222	Analytical Physics II

Core Curriculum Courses:

COM 101	Fundamentals of Speaking
ENG 226	Composition II
ENG 208	Technical Writing II
PHL 101	Introduction to Philosophy
HUM 145	Comparative Religions
PHL 102 -250	

UDM EQUIVALENCIES

CHM 1070/1100	General Chemistry I/ Lab
CHM 1080/1120	General Chemistry II/ Lab
ENGR 2040	Engr Comp or CSC 1710 Intro Prog I
MTH 1410	Analytic Geometry and Calculus I
MTH 1420	Analytic Geometry and Calculus II
MTH 2410	Analytic Geometry and Calculus III
MTH 3720	Differential Equ w/Linear Algebra
PHY 1600/1610	General Physics I/ Lab
PHY 1620/1630	General Physics II/ Lab

CST 1010	Fundamentals of Speech (Obj 1)
ENL 1310	Academic Writing (Obj 1)
ENL 3030	Technical Writing
PHL 1000	Introduction to Philosophy (Obj 4)
	Religious Studies course (Obj 4)
	Choose 1 additional Philosophy course (Obj 4)

¹ Not required by Electrical/Computer Engineering program. This or *another science course* may be used to fulfill the 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.

Washtenaw Community College courses:

Anthropology: ANT 201

Art: ART 130, 143, 150

Drama: DRA 180

English: ENG 140-181, 200, 211-214, 222-224, 281

Geography: GEO 101, 103

History: HST 121 - 270

Humanities: HUM 101-140, 146-160, 175, 190

Music: MUS 180

Political Science: PLS 211

Foreign Language (only one 3+ credit 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 Washtenaw Community College and UDM, it is an option to take one or more engineering courses at UDM while completing courses at WCC. 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.

Location - UDM, located in a residential area of Northwest Detroit, is close to numerous corporations including many companies' headquarters. The Metro Detroit area is also home to a wide variety of cultural activities, entertainment, and sports teams. UDM is easily accessible from most major freeways. We invite you to visit!