



MARYGROVE 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]. According to transfer policy, additional courses not on this guide may also be transferable. As members of the Detroit Area Catholic Higher Education Consortium, eligible Marygrove College students may take up to 12 credits at UDM while paying their home institution’s tuition rates. Consult with a UDM advisor regarding details.

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

MARYGROVE COLLEGE COURSES

Math, Science, Engineering Courses:

CHM 140	General Chemistry
CHM 241	Chemical Reactivity ¹
CIS 372	C++ Programming Language
ENV 370	Environ Policy & Regulations ² or
ENV 380	Environ Sampling and Analysis ²
MTH 251	Calculus I
MTH 252	Calculus II
MTH 254	Calculus III
MTH 353	Linear Algebra and
MTH 371	Differential Equations

UDM EQUIVALENCIES

CHM 107/110	General Chemistry I/ Lab
CHM 108/112	General Chemistry II/ Lab
E 204	Intro to Engineering Computing
	Engineering/Science Elective (Civil/Env only)
	Engineering/Science Elective (Civil/Env only)
MTH 141	Analytical Geom and Calculus I
MTH 142	Analytical Geom and Calculus II
MTH 241	Analytical Geom and Calculus III
MTH 372	Differential Eq w/ Linear Algebra

Core Curriculum Courses:

ENG 108	Academic Writing	ENL 131	Academic Writing (Obj 1)
ENG 209	Fundamentals of Speech	CST 101	Fundamentals of Speech (Obj 1)
ENG 308	Business and Professional Writing	ENL 303	Technical Writing
PHL 126	Persons and Values	PHL 100	Introduction to Philosophy (Obj 4)
RS 150-265, 310-380, 384			Choose one Religious Studies course (Obj 4)
PHL 156-276, 335-382, 396; RS 150-265, 310-380, 384			Choose one additional RS or PHL course (Obj 4)

¹ Not required by the Electrical/Computer Engineering program. CHM 241 *or another science course* may be used to fulfill the requirement for Mechanical and Manufacturing Engineering – consult with UDM advisor.

² Recommended only for Civil/ Environmental Engineering program (choose only one class).

Core Curriculum continued

For 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.

Marygrove College courses:

Art History: AH 101-201, 350-370

English: ENG 160, 203, 206, 222, 241, 290-306, 310, 311, 321-333, 350-361, 370

Geography: GEO 199, 301

History: HIS 252-256, 306-345, 359, 393

Humanities: 150-306, 330-335

Music History and Literature: MUS 105-315

Political Science: POL 315, 395

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

UDM HIGHLIGHTS

Great Reputation – For the eighth consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Master's Universities in the 2009 edition of the *U.S. News and World Report's* "America's Best Colleges." The University was ranked one of the top 25 schools in its category and the highest-ranking school in Michigan. Also, UDM engineering programs are accredited by ABET.

UDM is affordable! About 75% 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.

Dual Enrollment – To ease the transition between Marygrove and UDM, it is an option to take several classes at UDM (just minutes away) while completing courses at Marygrove. For up to 12 credits this may be done under the Detroit Area Catholic Higher Education Consortium (eligible students pay Marygrove tuition while taking UDM classes).

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.

Location – We are located just a few minutes east of Marygrove College – we invite you to visit!