



MARYGROVE COLLEGE TRANSFER GUIDE
COLLEGE OF ENGINEERING AND SCIENCE
ENGINEERING PROGRAMS

Entrance Requirements: Minimum 2.5 GPA based on at least 24 credits. If less than 24 credits have been taken, high school transcripts are required. Only grades of “C” or better may transfer.

The following courses will transfer into a University of Detroit Mercy Engineering program [Architectural, Civil/Environmental, Electrical/Computer, or Mechanical]. Additional courses not on this guide may also transfer. 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 the Registrar’s Office at Marygrove for more details.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245, 800-635-5020, or admissions@udmercy.edu.

UDM website: www.udmercy.edu

MARYGROVE COLLEGE COURSES

Math and Science Courses:

BIO 139	Principles of Biology ¹
CHM 140	Gen Chemistry 1: Atoms/Molecules
CHM 241	Gen Chemistry 2: Equilibrium ²
CIS 372	C++ Programming Language ³
CIS 374	Advanced C++ Programming ⁴
MTH 251	Calculus I
MTH 252	Calculus II
MTH 254	Calculus III
MTH 371	Differential Equations

Core Curriculum Courses:

ENG 108	Academic Writing
ENG 209	Fundamentals of Speech
PHL 126	Persons/Values or PHL 156 Wrlld Phil Trad
RS 150-265, 310-380, 384	
PHL 126-276, 325-370, 396; RS 150-265, 310-380, 384	

UDM EQUIVALENCIES

BIO 1080	The Science of Life
CHM 1070/1100	General Chemistry I/Lab
CHM 1080/1120	General Chemistry II/Lab
CSSE 1710	Intro Prgrm I or ENGR 2040 Engr Cmp
CSSE 1720	Intro to Programming II
MTH 1410	Analytical Geom and Calculus I
MTH 1420	Analytical Geom and Calculus II
MTH 2410	Analytical Geom and Calculus III
MTH 3720	Differential Eq w/ Linear Algebra

ENL 1310	Academic Writing (OB1)
CST 1010	Fundamentals of Speech (OB1)
PHL 1000	Introduction to Philosophy (OB4A)
	Choose one Religious Studies course (OB4B)
	Choose one add’l RELS or PHL course (OB4C)

¹ BIO 139 is required by the Architectural Engineering program only; this or another approved Biology/Environmental Studies/Geology class may be used for Civil/Environmental Engineering – consult with a UDM advisor.

² May be taken for the Mechanical Engineering program only. CHM 241 or another approved science class may also be used – consult with a UDM advisor.

³ Not required by the Architectural Engineering program.

⁴ Required by the Electrical/Computer Engineering programs only.

Objective 5 Courses (select two to three*):

Additional courses not listed may also transfer after review by UDM.

HIS 252, 253, 255, 256, 306, 311, 312, 321, 359	Historical Experience courses (OB5A)
ENG 206, 222, 241, 321, 322, 331, 352	Literary Experience courses (OB5B)
ENG 290; HUM 290	Aesthetic Experience courses (OB5C)
ENG 328; FRE 150-335, 350, 351, 360; GEO 199, 301; HIS 316, 323; POL 315, 395; SPA 150-332, 350-360	Comparative Experience courses (OB5D)

*Select two courses total from Objectives 5A, 5B, and 5C above and one course from Objective 5D. Architectural Engineers select just *one* course from Objectives 5A, 5B, or 5C and one course from Objective 5D.

UDM HIGHLIGHTS

Great Reputation – For the eleventh consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Regional Universities in the 2012 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM is once again ranked one of the top 25 schools in its category and is one of the highest ranking Michigan universities on the list. Also, UDM's Engineering programs recently celebrated 100 years of education!

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.

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 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).

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!