



LOURDES COLLEGE EQUIVALENCY 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. Courses must be a “C” (2.0) or better in order to transfer.

The following courses will transfer into University of Detroit Mercy Engineering programs [Architectural, Civil/Environmental, Electrical/Computer, or Mechanical]. Students may transfer a maximum of 96 semester hours of credit. Additional courses not on this guide may also transfer. Before transferring, through a special Lourdes-UDM agreement, full time pre-engineering students may take up to two specific UDM classes at no cost. 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.

UDM website: www.udmercy.edu

LOURDES COLLEGE COURSES

Math, Science, Engineering Courses:

CHM/CHL 181 General College Chemistry I
CHM/CHL 182 General College Chemistry II ¹
MTH 135 Analytical Geometry & Calculus I
MTH 136 Analytical Geometry & Calculus II
MTH 235 Calculus III
MTH 215 Linear Algebra **and**
MTH 305 Differential Equations
PHS/PLA 301 Coll Physics I (Calc-based)/Lab
PHS/PLA 302 Coll Physics II (Calc-based)/Lab
Approved Biology/Ecology/Geology Course ²

Core Curriculum Courses:

ENG 102 Composition II: Research & Writing
PHL 101 Introduction to Philosophy
THS 101-265, 312-443
PHL 102-450, THS 101-265, 312-443

UDM EQUIVALENCIES

CHM 1070/1100 General Chemistry I/ Lab
CHM 1080/1120 General Chemistry II/ Lab
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
Natural Science Requirement

¹ Required by Mechanical Engineering program only. This or another science course may be used to fulfill the requirement – consult with UDM advisor.

² Option for the Civil/Environmental Engineering programs only – consult with UDM advisor.

Objective 5 Courses (select two to three*):

With further review, additional courses not listed may possibly transfer.

HST 121, 122, 214, 301, 305, 306, 315, 320, 351, 380, 407-416, 420	Historical Experience courses (OB5A)
ENG 200, 301-304, 306, 310, 401-405	Literary Experience courses (OB5B)
ART (Art History only) 141-445, COM 201	Aesthetic Experience courses (OB5C)
ASL 101, 102; FRN 101-202; GEO 250, 260; HST 103, 104; SOC 207; SPA 101, 102, 201, 202	Comparative Experience courses (OB5D)

*Select two courses total from Objectives 5A, 5B, and 5C above and one course from Objective 5D. Arch 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 to make the list. Also, this year UDM's Engineering programs are celebrating 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. Through a portfolio process, previous engineering related work experience can be considered for transfer credits.

Dual Enrollment – To ease the transition between Lourdes and UDM, it is an option to take several classes at UDM while completing courses at Lourdes. If registered as a full time student at Lourdes, pre-engineering students may take ENGR 1050 and/or ENGR 1070 as a guest student at UDM at no cost. Contact the E&S Transfer Director at rimlec@udmercy.edu for more details.

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 - 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, including I-75. We invite you to visit!