



**LOURDES 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 96 semester hours of credit. According to transfer policy, 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. 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](http://www.udmercy.edu)

**LOURDES COLLEGE COURSES**

**UDM EQUIVALENCIES**

**Math, Science, Engineering Courses:**

|   |  |
|---|--|
| CHM/CHL 181 General College Chemistry I               | CHM 107/110 General Chemistry I/ Lab       |
| CHM/CHL 182 General College Chemistry II <sup>1</sup> | CHM 108/112 General Chemistry II/ Lab      |
| MTH 135 Analytical Geometry and Calculus I            | MTH 141 Analytic Geometry and Calculus I   |
| MTH 136 Analytical Geometry and Calculus II           | MTH 142 Analytic Geometry and Calculus II  |
| MTH 235 Calculus III                                  | MTH 241 Analytic Geometry and Calculus III |
| MTH 215 Linear Algebra <b>and</b>                     |  |
| MTH 305 Differential Equations                        | MTH 372 Differential Equ w/Linear Algebra  |
| PHS/PLA 301 Coll Physics I (Calc-based) / Lab         | PHY 160/161 General Physics I/ Lab         |
| PHS/PLA 302 Coll Physics II (Calc-based) / Lab        | PHY 162/163 General Physics II/ Lab        |

**Core Curriculum Courses:**

|  |  |
|--|--|
| COM 100 Oral Communication                 | CST 101 Fundamentals of Speech (Obj 1)           |
| ENG 102 Composition II: Research & Writing | ENL 131 Academic Writing (Obj 1)                 |
| PHL 101 Introduction to Philosophy         | PHL 100 Introduction to Philosophy (Obj 4)       |
| THS 101-265, 312-443                       | Choose 1 Religious Studies course (Obj 4)        |
| PHL 102-440, THS 101-265, 312-443          | Choose 1 add'l Phil or Religious Studies (Obj 4) |

<sup>1</sup> 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.

### Lourdes College courses:

Art History: ART 141-447

English: ENG 200, 301-304, 309, 310, 401-405

French: FRN 101-202

Geography: GEO 250

History: HST 103-420

Sociology: SOC 207, 304

Spanish: SPA 101-202

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## **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.

**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 E105 and/or E107 as a guest student at UDM at no cost. Contact Carolyn Rimle (see above) for more details.

**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.

**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!