



**MADONNA UNIVERSITY EQUIVALENCY GUIDE**  
**COLLEGE OF ENGINEERING AND SCIENCE**  
**ENGINEERING PROGRAMS**

Entrance Requirements: 2.5 GPA based on at least 24 semester hours of credit.

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 be transferable. Also, as members of the Detroit Area Catholic Higher Education Consortium, eligible Madonna University students may take a limited number of 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 qualify for a required cooperative education placement as early as the summer following the sophomore year, students should contact Carolyn Rimle at rimlec@udmercy.edu or 313-993-1530 at the beginning of the sophomore year, or earlier.

UDM website: [www.udmercy.edu](http://www.udmercy.edu)

**MADONNA UNIVERSITY COURSES**

**UDM EQUIVALENCIES**

**Math, Science, Engineering Courses:**

CHM 1110	General Chemistry I	CHM 107/110	General Chemistry I/ Lab
CHM 1120	General Chemistry II <sup>1</sup>	CHM 108	General Chemistry II
CSC 2080	Computer Science I	E 204	Intro to Engineering Computing
MTH 2510	Calculus w/ Analytic Geometry I	MTH 141	Analytic Geometry & Calculus I
MTH 2520	Calculus w/ Analytic Geometry II	MTH 142	Analytic Geometry & Calculus II
MTH 3510	Calculus w/ Analytic Geometry III	MTH 241	Analytic Geometry & Calculus III
MTH 3410	Linear Algebra <b>and</b>		
MTH 4530	Differential Equations	MTH 372	Differential Equ w/Linear Algebra

**Core Curriculum Courses:**

ENG 1020	Communication Skills II	ENL 131	Academic Writing (Obj 1)
SPH 1050	Speech Communication	CST 101	Fundamentals of Speech (Obj 1)
ENG 2000	Technical Writing <b>or</b>		
ENG 3260	Business and Professional Writing	ENL 303	Technical Writing
PHL 1010	Introduction to Philosophy	PHL 100	Introduction to Philosophy (Obj 4)

RST 1330-1460, 2560-2670, 3100-3470, 3530, 4080-4140, 4220, 4290, 4830;  
 ICC 1500, 2500, 3150

Choose 1 Religious Studies Course (Obj 4)

PHL 1050-3650, 4150, 4230; RST 1330-1460, 2560-2670, 3100-3470, 3530, 4080-4140, 4220, 4290, 4830; ICC 1060, 1500, 2060, 2500, 3060, 3150, 4060

Choose 1 add'l Phil or Religious Studies (Obj 4)

<sup>1</sup> Not required by Electrical/Computer Engineering program.

## 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.

### Madonna University courses:

Art History: AHIS 2010- 4750

English: ENG 2230, 3010, 3020, 3540-3710, 4540-4760

Geography: GEO 3010

History: HIS 1010-2450, 2800, 3220-3410, 3570, 3810, 4320-4810

Humanities: HUM 2010, 2020

Japanese: JPN 3210, 4230

Music: MUS 2020, 3330, 3340

Polish Studies: POL 1000, 2000, 2150-3000, 3240-3700, 4300, 4510

Political Science: PSC 3210

Sociology: SOC 1010, 3750

Spanish: SPA 3220, 3230, 3570, 3580

Speech Communication: SPH 4150

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

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## UDM FAST FACTS

**US News and World Report Ranking** – For the fifth consecutive year, University of Detroit Mercy ranks in the top tier of Midwestern Master's Universities in the 2006 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM is the top ranking Michigan university in this category. UDM is also rated number five in the Midwestern Master's category for the institution's strong "Campus Diversity."

**UDM is affordable!** Nearly 80% of UDM students receive some type of financial aid and/or scholarship. 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 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. Previous engineering related work experience can be considered for transfer credits.

**Dual Enrollment** – To ease the transition between Madonna and UDM, it may be recommended to take one or more courses at UDM while completing courses at Madonna. Contact a department advisor for specific courses.

**Teaching Scholars** – The College of Engineering and Science faculty has become a community of *teaching scholars*, leading the nation in attracting National Science Foundation grants (over 30 in recent years) for laboratory instrumentation and curriculum development. All equipment is used in undergraduate instructional labs. Faculty members, not teaching assistants, teach all major courses.

**Student Leadership** – To gain professional, technical and social connections, we highly encourage participation in at least one of the 25 College organizations or numerous University clubs.

**We are Closer than you may think!** - UDM, located in Northwest Detroit, is easily accessible from most major freeways, including I-96. We are approximately 20 minutes from Madonna.

