



MADONNA UNIVERSITY TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS

The following courses will transfer into the University of Detroit Mercy Engineering programs [Architectural, Civil, Electrical/Computer, Mechanical, or Robotics & Mechatronic Systems]. Students may transfer a maximum of 96 credits. Course grades must be C or better. As members of the Detroit Area Catholic Higher Education Consortium, eligible Madonna University students may take up to 12 credits at UDM while paying their home institution's tuition rates. Consult with the Registrar's Office at Madonna for more details.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245 or admissions@udmercy.edu.
UDM website: www.udmercy.edu

MADONNA UNIVERSITY COURSES

Required Objective 1 courses:

WRT 1020 College Composition II
COM 2350 Public Speaking: Theory & Practice

Required Objective 2 and 3 courses:

Satisfied by program requirements

Required Objective 4 courses:

PHL 1010 Introduction to Philosophy

Any RST course(s) (total of 3 credits minimum)

PHL 1050-4240 or RST course (total of 3 credits minimum)

Required Objective 5 courses:

All engineering disciplines select one OB5D course. Civil, Electrical/Computer, Mechanical, and Robotics & Mechatronic Systems Engineering students also select any two courses total from OB5A, OB5B and/or OB5C.

HIS 1010, 1080, 2310, 2450, 3300, 3330, 3810, 4530
HIS/PSC 4631, 4632, 4633, 4634

ENG 4230, 4540

AHIS 2020-4750 (3 cr min); COM 3410; ENG 3540;
MUS 2020, 3330, 3340; PHL 3210

CHN 1010, 1020, 1100; ENG 4550; GEO 3010;
HIS/PSC 4631; JPN 1010; PSC 3210, 4631; SLS 1000,
1010, 1020, 2010, 2310; SPA 1010, 1020, 1110, 2230, 2240

Math and Science Courses

All Engineering disciplines:

CHM 1110 General Chemistry I
MTH 2510 Calculus with Analytic Geometry I
MTH 2520 Calculus with Analytic Geometry II
MTH 3510 Calculus with Analytic Geometry III
MTH 4530 Differential Equations
PHY 2630 Physics for Scientists & Engineers I
PHY 2640 Physics for Scientists & Engineers II

UDM EQUIVALENCIES

Communication Skills:

ENL 1310 Academic Writing OB1
CST 1010 Fundamentals of Speech OB1

Math & Computer Skills/Scientific Literacy

Meaning & Value:

PHL 1000 Introduction to Philosophy OB4A
Religious Studies Course(s) - 3 credits OB4B
Choose 1 add'l Phil/Religious Studies course OB4C

Diverse Human Experience:

Historical Experience courses OB5A
Literary Experience courses OB5B
Aesthetic Experience courses OB5C
Choose 1 Comparative Experience course OB5D

CHM 1070/1100 General Chemistry I/ Lab
MTH 1410 Analytic Geom & Calculus I
MTH 1420 Analytic Geom & Calculus II
MTH 2410 Analytic Geom & Calculus III
MTH 3720 Differential Equ w/Lin Algebra
PHY 1600/1610 General Physics I/Lab
PHY 1620/1630 General Physics II/Lab

MADONNA UNIVERSITY COURSES

Additional courses for Architectural Engineering:

BIO 1010, 1030, 1040; CHM 1120; MTH 3410
(or another approved science or math course)

Additional courses for Civil Engineering:

BIO 1010, 1030, 1040 (or another approved biology course)
CSC 2080 Computer Science I
WRT 2440 Technical Writing

Additional courses for Electrical/Computer Engineering:

CSC 2080 Computer Science I
CSC 2480 Computer Science II
WRT 2440 Technical Writing

Additional courses for Mechanical Engineering:

CSC 2080 Computer Science I
WRT 2440 Technical Writing

Additional courses for Robotics and Mechatronic Systems Engineering:

CSC 2080 Computer Science I
CSC 2480 Computer Science II
WRT 2440 Technical Writing

UDM EQUIVALENCIES

Choose 1 approved Science or Math Course

Choose 1 approved Biology Course

CSSE 1712 Introduction to Programming I
ENL 3030 Technical Writing

CSSE 1712 Introduction to Programming I

CSSE 1722 Introduction to Programming II
ENL 3030 Technical Writing

CSSE 1712 Introduction to Programming I

ENL 3030 Technical Writing

CSSE 1712 Introduction to Programming I

CSSE 1722 Introduction to Programming II

ENL 3030 Technical Writing

Entrance Requirements

- Minimum 2.5 GPA based on 24 or more credits earned at Madonna (and/or other accredited institutions).
- If less than 24 credits have been earned, a student's high school transcript is required.
- Apply for admission to UDM at udmercy.edu/apply; the application is free.

If you have any questions regarding Madonna University courses and how they transfer to UDM, contact the Transfer Credit Team at 313-993-1940 or registrar@udmercy.edu (type Transfer Credit Team on the subject line).

Great Reputation - For the fifteenth consecutive year, UDM is listed in the top tier of Midwest Best Regional Universities in the 2016 edition of the *U.S. News and World Report's* "Best Colleges." UDM engineering graduates are highly sought out by industry and graduate programs. *We are proud of our 100+ years of educating engineers!*

UDM is affordable! - Approximately 90% of UDM students receive financial aid and/or scholarships. 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 *over 100 years*, UDM has been preparing excellent engineers through the required co-op program. 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 over \$25,000 during their three co-op rotations.

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