



MADONNA UNIVERSITY TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS – NEW CORE

This guide includes the New Core Curriculum effective Fall 2017. Transfer students starting at Detroit Mercy between Fall 2017 and Summer 2021 will have the option to select this New Core or the Old Core. See Transfer Guides indicating “OLD CORE” for prior Core requirements. Course grades must be a C or better. Additional courses not on this guide may also transfer. Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

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

Courses which fulfill Detroit Mercy Core Curriculum Knowledge Area Requirements

| Madonna University Courses | Detroit Mercy Equivalencies | Core |
|---|--|------|
| COM 2350 Public Speaking: Theory & Practice | CST 1010 Fundamentals of Speech | A1 |
| WRT 1020 or 3100 | ENL 1310 Academic Writing | A2 |
| Satisfied by program requirement | Quantitative and Symbolic Reasoning course | B1 |
| Satisfied by program requirement | Statistical and Probabilistic Reasoning course | B2 |
| Satisfied by program requirement | Physical Science course | C1 |
| Satisfied by program requirement | Social Science course | C2 |
| PHL 1010 Introduction to Philosophy | PHL 1000 Intro to Philosophy | D1 |
| RST 1330, 1450, 1460, 2150, 2240, 2560-2590, 2990, 3100, 3150, 3220, 3310, 3400, 3490, 3530, 3610, 4080, 4090, 4140, 4150 | Choose 1 Religious Knowledge course | D2 |
| PHL 1050, 2850, 2990, 3150, 3310, 3650, 4080, 4090, 4150, 4230; RST 1330, 1450, 1460, 2150, 2240, 2560-2590, 2990, 3100, 3150, 3220, 3310, 3400, 3490, 3530, 3610, 4080, 4090, 4140, 4150 | Choose 1 PHL/RELS Elective course | D3 |
| HIS 1010, 1090, 2320, 3810; HIS/PSC 4631, 4632, 4633, 4634 | Choose 1 Historical Experiences course | E1 |
| ENG 3500, 4230, 4450 | Choose 1 Literary Experiences course | E2 |
| AHIS 2020, 3100, 3240, 3270, 3290, 3350, 4160, 4260, 4750; COM 3410; ENG 3540; HUM 2020, 2040, 3030; MUS 1130, 2020, 3330, 3340 | Choose 1 Aesthetic Experiences course | E3 |
| Architectural Engineering: satisfied by program requirement | | |

Courses which fulfill Detroit Mercy Core Curriculum Integrating Theme Requirements

| Madonna University Courses | Detroit Mercy Equivalencies |
|--|--|
| Most of these may be fulfilled by program requirements or other Knowledge Area courses. See a Detroit Mercy advisor for a defined list of approved courses and more information. | Integrating Themes IT1, IT2, IT3, IT4, IT5, IT6 |

**These courses fulfill requirements for Detroit Mercy's Engineering Programs
All Engineering Disciplines**

| Madonna University Courses | | | Detroit Mercy Equivalencies | | |
|----------------------------|------|---------------------------------------|-----------------------------|-----------|---|
| CHM | 1110 | General Chemistry I | CHM | 1070/1100 | General Chemistry I/Lab |
| MTH | 2510 | Calculus with Analytic Geometry I | MTH | 1410 | Analytic Geometry & Calculus I |
| MTH | 2520 | Calculus with Analytic Geometry II | MTH | 1420 | Analytic Geometry & Calculus II |
| MTH | 3510 | Calculus with Analytic Geometry III | MTH | 2410 | Analytic Geometry & Calculus III |
| MTH | 4530 | Differential Equations | MTH | 3720 | Differential Equations w/Linear Algebra |
| PHY | 2630 | Physics for Scientists & Engineers I | PHY | 1600/1610 | General Physics I/Lab |
| PHY | 2640 | Physics for Scientists & Engineers II | PHY | 1620/1630 | General Physics II/Lab |

Additional Courses for Architectural Engineering

| Madonna University Courses | | Detroit Mercy Equivalencies |
|--|--|--|
| BIO 1010, 1030, 1040; CHM 1120; MTH 3410 (or another approved science or math course) | | Choose 1 approved Science or Math Course |

Additional courses for Civil Engineering

| Madonna University Courses | | Detroit Mercy Equivalencies |
|--|--|----------------------------------|
| BIO 1010, 1030, 1040 (or another approved biology course) | | Choose 1 approved Biology Course |

Additional courses for Electrical Engineering

| Madonna University Courses | | | Detroit Mercy Equivalencies | | |
|----------------------------|------|---------------------|-----------------------------|------|--------------------------------|
| CSC | 2080 | Computer Science I | CSSE | 1712 | Introduction to Programming I |
| CSC | 2480 | Computer Science II | CSSE | 1722 | Introduction to Programming II |
| WRT | 2440 | Technical Writing | ENL | 3030 | Technical Writing |

Additional courses for Mechanical Engineering

| Madonna University Courses | | | Detroit Mercy Equivalencies | | |
|----------------------------|------|--------------------|-----------------------------|------|-------------------------------|
| CSC | 2080 | Computer Science I | CSSE | 1712 | Introduction to Programming I |

Additional courses for Robotics & Mechatronic Systems Engineering

| Madonna University Courses | | | Detroit Mercy Equivalencies | | |
|----------------------------|------|---------------------|-----------------------------|------|--------------------------------|
| CSC | 2080 | Computer Science I | CSSE | 1712 | Introduction to Programming I |
| CSC | 2480 | Computer Science II | CSSE | 1722 | Introduction to Programming II |
| WRT | 2440 | Technical Writing | 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 Detroit Mercy at udmercy.edu/admission/apply; the application is free.

If you have any questions regarding Madonna University courses and how they transfer to Detroit Mercy, contact the Transfer Credit Team at 313-993-1940 or transferteam@udmercy.edu.