



**NORTHWESTERN MICHIGAN COLLEGE**  
**EQUIVALENCY GUIDE**  
**COLLEGE OF ENGINEERING AND SCIENCE**  
**BIOLOGY PROGRAM**

Entrance Requirements: 2.5 GPA based on at least 24 semester hours of credit. Students may transfer a maximum of 63 semester hours toward a Bachelor's Degree. According to transfer policy, additional courses not on this guide may also be transferable. For more information or to arrange a campus visit, please contact an Admissions Counselor at 800-635-5020, 313-993-1245, or [admissions@udmercy.edu](mailto:admissions@udmercy.edu).

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

**NORHTWESTERN MICH COLLEGE COURSES      UDM EQUIVALENCIES**

**Major Courses:**

|         |   |             |                          |
|---------|---|-------------|--------------------------|
| BIO 115 | Cell, Plant and Ecosystem Biology and Lab | BIO 120/121 | General Biology I/Lab    |
| BIO 116 | Cell and Animal Biology and Lab           | BIO 122/123 | General Biology II/Lab   |
| CHM 150 | General Chemistry I and Lab               | CHM 107/110 | General Chemistry I/ Lab |
| CHM 151 | General Chemistry II                      | CHM 108     | General Chemistry II     |
| CHM 250 | Organic Chemistry I and Lab               | CHM 227/228 | Organic Chemistry I/ Lab |
| CHM 251 | Organic Chemistry II                      | CHM 229     | Organic Chemistry II     |
| MTH 140 | College Algebra and Trigonometry          | MTH 140     | Elementary Functions     |
| PHY 121 | General Physics I and Lab                 | PHY 130/131 | General Physics I/Lab    |
| PHY 122 | General Physics II and Lab                | PHY 132/133 | General Physics II/Lab   |

NOTE: MTH 141 and MTH 142 are strongly recommended for Biology majors:

|         |             |         |                             |
|---------|-------------|---------|-----------------------------|
| MTH 141 | Calculus I  | MTH 141 | Analytic Geom & Calculus I  |
| MTH 142 | Calculus II | MTH 142 | Analytic Geom & Calculus II |

**Biology Elective Course:**

|         |          |         |          |
|---------|----------|---------|----------|
| BIO 215 | Genetics | BIO 270 | Genetics |
|---------|----------|---------|----------|

**Core Curriculum Courses:**

|                       |   |         |  |
|-----------------------|---|---------|--|
| COM 111               | Public Speaking                         | CST 101 | Fund of Speech (Obj 1)                       |
| ENG 112               | English Composition                     | ENL 131 | Academic Writing (Obj 1)                     |
| CIS 100               | Computers in Business - An Introduction | CIS 100 | Intro to Computers (Obj 2)                   |
| PHL 101               | Introduction to Philosophy              | PHL 100 | Intro to Philosophy (Obj 4)                  |
| PHL 121-182, 222      |   |         | Choose 1 Religious Studies course (Obj 4)    |
| PHL 105-182, 202, 222 |   |         | Choose 1 add'l Phl or Rel Std course (Obj 4) |
| PHL 201               | Ethics                                  | PHL 201 | Ethics (Obj 6A)                              |

### Objective 5 Courses (select up to three\*):

|   |   |
|---|---|
| HST 101-235   | Historical Experience courses (Obj 5A)  |
| ENG 240-271   | Literary Experience courses (Obj 5B)    |
| ART 100-132, 161-166, 181-221; ENG 267;<br>HUM 101-112; MUS 110, 111; THR 151 | Aesthetic Experience courses (Obj 5C)   |
| ART 116; ENG 242; GEO 109; MLF 101-202;<br>MLS 121-222; PLS 132; SOC 113      | Comparative Experience courses (Obj 5D) |

\* Choose any combination for a total of two courses from objectives 5A, 5B, and 5C above. Choose one course from objective 5D.

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### FAST FACTS

- The 2006 edition of the *U.S. News and World Report's* "America's Best Colleges" ranked University of Detroit Mercy in the top tier of Midwestern Master's Universities for the fifth consecutive year. 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."
- The Bachelor of Science Degree in Biology prepares students for admission into various **medical** and **dental** programs. Other exciting career opportunities with this degree include **teaching, medical forensics, criminal justice and industrial research**. UDM students are accepted into Master of Science and Doctor of Philosophy programs, as well as different professional schools, including: **medical, dental, physician assistant, veterinary, criminal justice, pharmacy, podiatry, optometry, chiropractic, and law**.
- **Acceptance rates** for UDM students into **Medical Schools: 85%** (national average is ~68%); **Dental Schools: 75%** (national average is ~62%).
- **The Alpha Epsilon Delta Honor Society** welcomes students with high grades in Biology and offers opportunities for them to advance their knowledge and interest in science.