



**WAYNE COUNTY COMMUNITY COLLEGE DISTRICT**  
**EQUIVALENCY GUIDE**  
**COLLEGE OF ENGINEERING AND SCIENCE**  
**BIOCHEMISTRY: PRE-PHYSICIAN ASSISTANT 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).

In order to apply to the Physician Assistant program, undergraduate students from UDM sciences must have at least six months of health care experience, all designated coursework completed (as outlined by the department) and a recommendation from the department chair and/or advisor.

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

**WAYNE COUNTY COMMUNITY COLLEGE DISTRICT COURSES**

**Major Courses:**

|         |                                   |
|---------|-----------------------------------|
| BIO 155 | Introductory Biology              |
| BIO 175 | Zoology                           |
| CHM 136 | General Chemistry I               |
| CHM 145 | General Chemistry II              |
| CHM 250 | Organic Chemistry I               |
| CHM 252 | Organic Chemistry II              |
| CHM 255 | Laboratory for Organic Chemistry  |
| MAT 171 | Analytic Geometry and Calculus I  |
| MAT 172 | Analytic Geometry and Calculus II |
| PHY 235 | General Physics I                 |
| PHY 245 | General Physics II                |

**Core Curriculum Courses:**

|                        |                                  |
|------------------------|----------------------------------|
| ENG 120                | English II                       |
| SPH 101                | Fundamentals of Speech           |
| BUS 225                | Computer Application in Business |
| PHL 201                | Introduction to Philosophy       |
| PHL 101, 102           |                                  |
| PHL 101, 102, 211, 221 |                                  |
| ALH 230                | Medical Ethics                   |

**UDM EQUIVALENCIES**

|             |                             |
|-------------|-----------------------------|
| BIO 120/121 | General Biology I/Lab       |
| BIO 122/123 | General Biology II/Lab      |
| CHM 107/110 | General Chemistry I/Lab     |
| CHM 108     | General Chemistry II        |
| CHM 227     | Organic Chemistry I         |
| CHM 229     | Organic Chemistry II        |
| CHM 228     | Organic Chemistry Lab I     |
| MTH 141     | Analytic Geom & Calculus I  |
| MTH 142     | Analytic Geom & Calculus II |
| PHY 130/131 | General Physics I/Lab       |
| PHY 132/133 | General Physics II/Lab      |

|         |  |
|---------|--|
| ENL 131 | Academic Writing (Obj 1)                     |
| CST 101 | Fund of Speech (Obj 1)                       |
| CIS 100 | Intro to Computers (Obj 2)                   |
| PHL 100 | Intro to Philosophy (Obj 4)                  |
|         | Choose 1 Religious Studies course (Obj 4)    |
|         | Choose 1 add'l Phil. or Relig. Stds. (Obj 4) |
| ETH 358 | Health Care Ethics (Obj 6A)                  |

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

|   |   |
|---|---|
| AAS 150; HIS 151-262  | Historical Experience courses (Obj 5A)  |
| AAS 253; ENG 212-266, 285   | Literary Experience courses (Obj 5B)    |
| AAS 175; HUM 101-232; MUS 121; THEA 151   | Aesthetic Experience courses (Obj 5C)   |
| AAS 120, 180; ANT 152, 154; ARA 101, 102;<br>ENG 290, 292; FRE 101-202; GEG 202; JPN 101, 102;<br>MWS 101-103; SPA 101-202; SOC 230; WS 218 | Comparative Experience courses (Obj 5D) |

\* B.S. Biochemistry requires two courses total from objectives 5A, 5B, 5C above (both may not be from same group) and 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 B.S. /B.A. degrees in chemistry and biochemistry prepare students for **numerous career choices**, including **teaching, medical forensics and industrial research**. Our students are accepted into M.S. and Ph.D. programs, as well as professional schools, including **medical, dental, physician assistant, veterinary, 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%).
- All Department of Chemistry and Biochemistry faculty have active research programs and work with **undergraduate students in their laboratories**. Undergraduates have been co-authors on numerous research publications and have attended both regional and national scientific meetings.
- A number of academic **scholarships** and summer **research fellowships** are available for Chemistry and Biochemistry majors.
- The **UDM Chemistry Club** has received "**Outstanding**" or "**Commendable**" **Recognition** by the American Chemical Society for the past 11 years.
- The **Mexican American Partnership** (MAP) program is available for all majors. Participating students spend one to two semesters at Monterrey Tech in Mexico. Students may also study abroad in Australia.
- The Department of Chemistry and Biochemistry has recently been awarded **7 major grants** for state-of-the-art instrumentation that undergraduates use in lab courses and research.