



OAKLAND COMMUNITY COLLEGE 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. If less than 24 credits have been taken, high school transcripts are required. 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.

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

OAKLAND COMMUNITY COLLEGE COURSES

UDM EQUIVALENCIES

Major Courses:

BIO 1530	Intro Biology: Molecular & Cellular
BIO 1560	Intro Biology: Biodiversity & Ecology
BIO 2560	Principles of Genetics
CHE 1510	General Chemistry I
CHE 1520	General Chemistry II
CHE 2610	Organic Chemistry I
CHE 2620	Organic Chemistry II
CHE 2650	Organic Chemistry Lab
HEA 1510	Nutrition
MAT 1730	Calculus I
MAT 1740	Calculus II
PHY 1610	College Physics I
PHY 1620	College Physics II

BIO 120/121	General Biology I/ Lab
BIO 122/123	General Biology II/ Lab
BIO 270	Genetics
CHM 107/110	General Chemistry I/ Lab
CHM 108/112	General Chemistry II/ Lab
CHM 227	Organic Chemistry I
CHM 229	Organic Chemistry II
CHM 225/226 ¹	Organic Chem Labs I & II
BIO 204	Applied Nutrition
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

Core Curriculum Courses:

ENG 1520	Composition II
SPE 1610	Fundamentals of Speech
CIS 1050	Personal Computer Productivity Tools
PHI 1510	Introduction to Philosophy
HUM 1710, 2720	
HUM 1710, 2720; PHI 1520, 1610, 1710	

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 Studies (Obj 4)

¹ Note: UDM's CHM 230 (not CHM 226) is required for Biochemistry/Chemistry majors.

Objective 5 Courses (select up to three*):

HIS 1510-1550, 1700-2620 Historical Experience courses (Obj 5A)

ENG 1610, 1710, 1720, 2300-2560, 2750-2770 Literary Experience courses (Obj 5B)

ART 1550, 1560, 1700, 2510, 2520, 2560-2620;
FSH 1500; HUM 1510, 1520, 1900, 2900;
MUS 1540-1560, 1585, 1590, 1685;
THE 1561, 1571, 1800 Aesthetic Experience courses (Obj 5C)

ANT 1540-2750; ARB 1510-2620; CHI 1510-2620;
FRE 1510-2620; GEO 1520; GER 1510-2620;
ITA 1510-2610; JPN 1510-2620; POL 2610;
RUS 1510-2620; SOC 2530; SPA 1510-2620 Comparative Experience courses (Obj 5D)

*B.S. in Biochemistry requires two courses total from objectives 5A, 5B, and 5C above (both may not be from the same group) and one course from objective 5D.

HIGHLIGHTS

- For the eighth consecutive year, University of Detroit Mercy is listed in the **top tier of Midwestern Master's Universities** in the 2009 edition of the *U.S. News and World Report's* "America's Best Colleges." The University was ranked one of the top 25 schools in its category and the **highest-ranking school in Michigan**.
- 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**.
- 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 over the past 14 years. The Chem Club was also recognized with the 2004-05 and 2006-07 "Green Chemistry" Chapter award.
- Students majoring in Chemistry or Biochemistry have the option to **study abroad** for one or two semesters.
- The Department of Chemistry and Biochemistry has recently been awarded **8 major grants** for state-of-the-art instrumentation that undergraduates use in lab courses and research.