



JACKSON 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 313-993-1245, 800-635-5020, or admissions@udmercy.edu.

UDM website: www.udmercy.edu

JACKSON COMMUNITY COLLEGE COURSES

UDM EQUIVALENCIES

Major Courses:

BIO 131	General Biology	BIO 120/121	General Biology I/ Lab
BIO 152	General Zoology	BIO 122/123	General Biology II/ Lab
CEM 141	General Chemistry I	CHM 107/110	General Chemistry I/ Lab
CEM 142	General Chemistry II	CHM 108/112	General Chemistry II/ Lab
CEM 241	Organic Chemistry I	CHM 227/225	Organic Chemistry I/ Lab
CEM 242	Organic Chemistry II	CHM 229/226 ¹	Organic Chemistry II/ Lab
MTH 151	Calculus I	MTH 141	Analytic Geom & Calculus I
MTH 154	Calculus II	MTH 142	Analytic Geom & Calculus II
PHY 231	College Physics I	PHY 130/131	General Physics I/ Lab
PHY 232	College Physics II	PHY 132/133	General Physics II/ Lab
PSY 252	Developmental Psychology	PYC 250	Developmental Psychology
LPN 145/MOA 145/NUR 207	Norm/Therapeutic Nutrition	BIO 204	Applied Nutrition

Core Curriculum Courses:

COM 231	Communication Fundamentals	CST 101	Fund of Speech (Obj 1)
ENG 132	Writing Experience	ENL 131	Academic Writing (Obj 1)
CIS 101	Intro to Computer Systems or		
CIS 112	Microsoft Office® Professional Introduction	CIS 100	Intro to Computers (Obj 2)
PHL 231	Introduction to Philosophy	PHL 100	Intro to Philosophy (Obj 4)
PHL 243	Great World Religions		Choose 1 Religious Studies Course (Obj 4)
PHL 232, 236			Choose 1 add'l Philosophy Course (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 120-235	Historical Experience courses (Obj 5A)
ENG 210, 246-252, 255-257	Literary Experience courses (Obj 5B)
ART 101-121, 152, 201; HUM 131; MUS 130-132; THR 116, 145	Aesthetic Experience courses (Obj 5C)
ANT 131; FRN 131, 132; GEO 132; GER 131, 132; SPN 131-232	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.

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.