



MACOMB 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 UDM 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

MACOMB COMM COLLEGE COURSES

UDM EQUIVALENCIES

Major Courses:

BIOL 1000	General Biology 1	BIO 1200/1210	General Biology I/ Lab
BIOL 1010	General Biology 2	BIO 1220/1230	General Biology II/ Lab
BIOL 1400	Fundamentals of Nutrition	BIO 2040	Applied Nutrition
CHEM 1170	General Chemistry 1	CHM 1070/1100	General Chemistry I/ Lab
CHEM 1180	General Chemistry 2	CHM 1080/1120	General Chemistry II
CHEM 2260	Organic Chemistry 1	CHM 2270	Organic Chemistry I
CHEM 2270	Organic Chemistry Laboratory	CHM 2250/2260 ¹	Organic Chem Labs I & II
CHEM 2280	Organic Chemistry 2	CHM 2290	Organic Chemistry II
MATH 1760	Analytic Geometry and Calculus 1	MTH 1410	Analytic Geom & Calculus I
MATH 1770	Analytic Geometry and Calculus 2	MTH 1420	Analytic Geom & Calculus II
PHYS 1180	College Physics 1	PHY 1300/1310	General Physics I/ Lab
PHYS 1190	College Physics 2	PHY 1320/1330	General Physics II/ Lab
PSYC 2450	Lifespan Development	PYC 2500	Developmental Psychology

Core Curriculum Courses:

ENGL 1190	Communications 2 or	ENL 1310	Academic Writing (Obj 1)
ENGL 1220	Composition 2	CST 1010	Fund of Speech (Obj 1)
SPCH 1060	Speech Communication	CIS 1000	Intro to Computers (Obj 2)
ITCS 1010	Computer & Info Processing Princ	PHL 1000	Intro to Philosophy (Obj 4)
PHIL 2010	Introduction to Philosophy		Choose 1 Religious Studies course (Obj 4)
HUMN 1700, 2000			Choose 1 add'l Phil or Relig Studies (Obj 4)
HUMN 1700, 2000; PHIL 2100, 2120, 2200, 2400			

¹ Note: UDM's CHM 2300 (not CHM 2260) is required for Biochemistry/Chemistry majors.

Objective 5 Courses*:

Additional courses not listed may also transfer.

HIST 1500, 2100, 2200, 2420, 2520; INTL 2000	Historical Experience courses (Obj 5A)
ENGL 2600, 2610	Literary Experience courses (Obj 5B)
HUMN 1210, 1250, 1300, 1460-1479; THEA 1100, 1150	Aesthetic Experience courses (Obj 5C)
ANTH 1000; ARAB 1260, 1270; CHIN 1260, 1270; FREN 1260-2370; GEOG 2000; GRMN 1260-2370; HUMN 1750; ITAL 1260-2370; POLS 1900, 1950; PSYC 2500; SOSC 2010; SPAN 1260-2370; SPCH 2300	Comparative Experience courses (Obj 5D)

*B.S. 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 tenth consecutive year, University of Detroit Mercy is listed in the **top tier of Midwestern Master's Universities** in the 2011 edition of the *U.S. News and World Report's "America's Best Colleges."* UDM was once again ranked one of the top 30 schools in its category and the **highest ranking Michigan university** on the list.
- 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 15 years. The Chem Club was also recognized with the 2005, 2007, 2008, and 2009 "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.