



LANSING 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 313-993-1245, 800-635-5020 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. See UDM's Physician Assistant website for more details.

UDM website: www.udmercy.edu

LANSING COMMUNITY COLLEGE COURSES

Major Courses:

BIOL 127	Cell Biology
BIOL 128	Organismal Biology
BIOL 203/204	Microbiology and Microbiology Lab
BIOL 270	Human Genetics
PFHW 123	Human Nutrition
CHEM 151	General Chemistry Lecture I
CHEM 152	General Chemistry Lecture II
CHEM 161	General Chemistry Laboratory I
CHEM 162	General Chemistry Laboratory II
CHEM 251	Organic Chemistry Lecture I
CHEM 252	Organic Chemistry Lecture II
CHEM 272	Organic Chemistry Laboratory
MATH 151	Calculus I
MATH 152	Calculus II
PHYS 221	Introductory Physics I
PHYS 222	Introductory Physics II
PSYC 205	Human Growth and Development
STAT 170	Intro to Statistics

Core Curriculum Courses:

ENGL 122/132	Writing: Lit and Ideas	or
WRIT 122/132	Composition II	
SPCH 130	Fund of Public Speaking	
CPSC 120 or CITA 110	Intro to Computers	
PHIL 153	Knowledge & Reality	
RELG 211-250		
PHIL 151, 152, 211-260; RELG 211-250		
HUMS 265 or CHSE 117	Medical Ethics	

UDM EQUIVALENCIES

BIO 1200/1210	General Biology I/Lab
BIO 1220/1230	General Biology II/Lab
BIO 4210/4220	Microbiology/Lab
BIO 2700	Genetics
BIO 2040	Applied Nutrition
CHM 1070	General Chemistry I
CHM 1080	General Chemistry II
CHM 1100	Chemistry Laboratory I
CHM 1120	Chemistry Laboratory II
CHM 2270	Organic Chemistry I
CHM 2290	Organic Chemistry II
CHM 2250 and 2260 ¹	Org Chem Labs I & II
MTH 1410	Analytic Geom & Calculus I
MTH 1420	Analytic Geom & Calculus II
PHY 1300/1310	General Physics I/Lab
PHY 1320/1330	General Physics II/Lab
PYC 2500	Developmental Psychology
STA 2250	Statistics

ENL 1310	Academic Writing (Obj 1)
CST 1010	Fund of Speech (Obj 1)
CIS 1000	Intro to Computers (Obj 2)
PHL 1000	Intro to Philosophy (Obj 4)
	Choose 1 Religious Studies course (Obj 4)
	Choose 1 add'l Phil or Rel Studies (Obj 4)
ETH 3580	Health Care Ethics (Obj 6A)

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

Objective 5 Courses (select up to three*):

HIST 211, 212, 214, 240, 250	Historical Experience courses (Obj 5A)
ENGL 201-203, 260	Literary Experience courses (Obj 5B)
ENGL 240; HUMS 120, 140, 211, 212; MUSC 199, 240, 241, 246, 247; THEA 110, 120, 140	Aesthetic Experience courses (Obj 5C)
ANTH 270; ECON 260; FREN 115-202; GEOG 200; GRMN 115-202; HUMS 214; JAPN 115-202; POLS 260; PSYC 240; SPAN 115-202; SPCH 280	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 ninth consecutive year, University of Detroit Mercy is listed in the **top tier of Midwestern Master's Universities** in the 2010 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM was also **rated one of the top 15** institutions in the **“Great Schools, Great Prices”** category. This ranking highlights the best financial value as it relates to a school's academic quality.
- 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.