



MOTT 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

MOTT COMMUNITY COLLEGE COURSES

Major Courses:

AHLT 112	Nutrition for Health
BIOL 111/L	Fundamentals of Biology and Lab
BIOL 125/L	Zoology and Lab
BIOL 227	Genetics
CHEM 131/L	General Chemistry I and Lab
CHEM 132/L	General Chemistry II and Lab
CHEM 237/L	Organic Chemistry I and Lab
CHEM 238	Organic Chemistry II
MATH 170	Analytic Geometry and Calculus I
MATH 180	Analytic Geometry and Calculus II
PHYS 281/L	General College Physics I and Lab
PHYS 282/L	General College Physics II and Lab
PSYC 288	Psychology of Human Development

Core Curriculum Courses:

COMM 131	Fundamentals of Communication
ENGL 102	English Composition II
COMG 153	Computers – A Practical Approach
PHIL 101	Introduction to Philosophy
PHIL 165, 251	
PHIL 103, 190, 295, 297	

UDM EQUIVALENCIES

BIO 204	Applied Nutrition
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 227/225	Organic Chemistry I/ Lab
CHM 229	Organic Chemistry II
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
PYC 250	Developmental Psychology
CST 101	Fund of Speech (Obj 1)
ENL 131	Academic Writing (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 Philosophy course (Obj 4)	

Objective 5 Courses (select up to three*):

HIST 112-155, 253-299 Historical Experience courses (Obj 5A)

ENGL 220-261 Literary Experience courses (Obj 5B)

ART 110-116, 131-135, 141, 142, 214-231, 235-238, 261-274, 281; ENGL 271; FILM 181-250; MUS 180-182, 186, 271- 273; THTR 254, 256 Aesthetic Experience courses (Obj 5C)

ANTH 200, 211; ARBC 111, 112; ART 243; CHI 111; FILM 251; FREN 151-252; GEOG 142, 147, 243; GERM 111-212; HREL 151; JAPA 111-212; MUS 183; PSCN 275; RUSN 111-112; SOCY 294; SPAN 160-295 Comparative Experience courses (Obj 5D)

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

HIGHLIGHTS

- For the seventh consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Master's Universities in the 2008 edition of the *U.S. News and World Report's* "America's Best Colleges." In the magazine's "**Great Schools, Great Prices**" listing, UDM ranked **third** in its category. According to *U.S. News*, 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 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.