



# MOTT COMMUNITY COLLEGE EQUIVALENCY GUIDE

## COLLEGE OF ENGINEERING AND SCIENCE

### BIOLOGY 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](mailto:admissions@udmercy.edu).

UDM website: [www.udmercy.edu](http://www.udmercy.edu)

#### MOTT COMMUNITY COLLEGE COURSES

##### Major Courses:

BIOL 111/L Fundamentals of Biology and Lab

BIOL 125/L Zoology and Lab

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/L Organic Chemistry II and Lab

MATH 130 College Algebra **AND**

MATH 140 Trigonometry

##### OR

MATH 145 Pre-Calculus

PHYS 281/L General College Physics I and Lab

PHYS 282/L General College Physics II and Lab

#### UDM EQUIVALENCIES

BIO 120/121 General Biology I/ Lab

BIO 122/123 General Biology II/ Lab

CHM 107/110 General Chemistry I/ Lab

CHM 108/112 General Chemistry II/ Lab

CHM 227/225 Organic Chemistry I/ Lab

CHM 229/226 Organic Chemistry II/ Lab

MTH 140 Elementary Functions

PHY 130/131 General Physics I/ Lab

PHY 132/133 General Physics II/ Lab

NOTE: MATH 170 & MATH 180 are strongly recommended for Biology majors:

MATH 170 Analytic Geometry and Calculus I

MATH 180 Analytic Geometry and Calculus II

MTH 141 Analytic Geom & Calculus I

MTH 142 Analytic Geom & Calculus II

##### Biology Elective Courses:

BIOL 151/152 Human Anatomy & Phys I/II with Labs

BIOL 227 Genetics

BIO 260/261 Comp Verteb Anatomy/Lab

BIO 270 Genetics

##### 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, 297

PHIL 295 Ethics

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)

PHL 201 Ethics (Obj 6A)

### 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)

\* Choose any combination for a total of two courses from objectives 5A, 5B and 5C above. Choose one course from objective 5D.

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## 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 Bachelor of Science Degree in Biology prepares students for admission into various **medical** and **dental** programs. Other exciting career opportunities with this degree include **teaching, medical forensics, criminal justice and industrial research**. UDM students are accepted into Master of Science and Doctor of Philosophy programs, as well as different professional schools, including: **medical, dental, physician assistant, veterinary, criminal justice, pharmacy, podiatry, optometry, chiropractic, and law**.
- **The Alpha Epsilon Delta Honor Society** welcomes students with high grades in Biology and offers opportunities for them to advance their knowledge and interest in science.