



## SCHOOLCRAFT COLLEGE EQUIVALENCY GUIDE

### COLLEGE OF ENGINEERING AND SCIENCE

### BIOCHEMISTRY AND CHEMISTRY PROGRAMS

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. The three options are a B.S. degree in Biochemistry, B.S. degree in Chemistry or a B.A. degree in Chemistry. 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](mailto:admissions@udmercy.edu).

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

#### SCHOOLCRAFT COLLEGE COURSES

##### Major Courses:

BIOL 120	Principles of Biology 1
BIOL 130	Principles of Biology 2
CHEM 111	General Chemistry 1
CHEM 117	General Chemistry & Qualitative Analysis 2
CHEM 213	Organic Chemistry 1
CHEM 214	Organic Chemistry 2
MATH 150	Calculus with Analytic Geometry 1
MATH 151	Calculus with Analytic Geometry 2

NOTE: B.S. in Chemistry also requires:

MATH 240	Calculus with Analytic Geometry 3
PHYS 211	Physics for Scientists and Engineers 1
PHYS 212	Physics for Scientists and Engineers 2

NOTE: B.S. in Biochem. /B.A. in Chem. also requires:

PHYS 181	General Physics 1
PHYS 182	General Physics 2

NOTE: B.A. in Chemistry also requires **one** of the following:

ECON 103, 201, 202; POLS 105; PSYCH 201; SOC 201 Choose one Social Science course (Obj 3)

##### Core Curriculum Courses:

COMA 103	Fundamentals of Speech	CST 101	Fund of Speech (Obj 1)
ENG 102	English Composition 2	ENL 131	Academic Writing (Obj 1)
CIS 120	Software Applications	CIS 100	Intro to Computers (Obj 2)
PHIL 243	An Introduction to Philosophy	PHL 100	Intro to Philosophy (Obj 4)
ANTH 211	Myth, Magic and World Religions		Religious Studies requirement (Obj 4)
PHIL 247	Logic	PHL 150	Introduction to Logic (Obj 4)
PHIL 277	Ethical Problems	PHL 201	Ethics (Obj 6A)

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

## Objective 5 Courses\* :

HIST 134-230 Historical Experience courses (Obj 5A)

ENG 170, 243-275 Literary Experience courses (Obj 5B)

ART 105-106, 115-116, 125, 201, 211, 216, 236, 243; ENG 200; HUM 150-232; MUSIC 105, 109, 149, 164, 165; THEA 101, 208, 231, 232 Aesthetic Experience courses (Obj 5C)

ANTH 112-201, 214; ARB 101-202; CHIN 101,102; FR 101-202; GEOG 133, 241; GER 101-202; ITAL 101,102; POLS 207; SOC 210; SPAN 101-202 Comparative Experiences course (Obj 5D)

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

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## 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.