



JACKSON COMMUNITY COLLEGE EQUIVALENCY GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

COMPUTER SCIENCE AND MATHEMATICS 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 B.S. in Computer Science, B.S. degree in Mathematics, or B.A. degree in Mathematics. 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.

UDM website: www.udmercy.edu

JACKSON COMMUNITY COLLEGE COURSES

UDM EQUIVALENCIES

Major Courses:

CPS 177	Programming in C++ and
CPS 217	Computer Science II
ENG 232	Technical and Business Writing ¹
MTH 151	Calculus I
MTH 154	Calculus II
MTH 251	Calculus III ²
MTH 254	Differential Equations ³

CSC 171	Intro to Computer Sci I and
CSC 172	Intro to Computer Sci II
ENL 303	Technical Writing
MTH 141	Analytic Geom & Calculus I
MTH 142	Analytic Geom & Calculus II
MTH 241	Analytic Geom & Calculus III
MTH 372	Differential Equ w/Linear Alg

Several select CIS courses may be used as Technical Electives in the Computer Science program. Please consult with a UDM advisor.

Core Curriculum Courses:

COM 231	Communication Fundamentals
ENG 132	Writing Experience

CST 101	Fund of Speech (Obj 1)
ENL 131	Academic Writing (Obj 1)

BIO 110-254; CEM 131-242; GEL 160; NSC 131;
PHY 131-252

Choose two Natural Science courses (Obj 3)

PHL 231	Introduction to Philosophy
PHL 243	Great World Religions
PHL 232	Logic
PHL 236	Ethics

PHL 100	Intro to Philosophy (Obj 4)
Choose 1 Religious Studies Course (Obj 4)	
PHL 150	Logic (Obj 4)
PHL 201	Ethics (Obj 6A)

¹ Required by the B.S. Math and B.S. Computer Science programs - may be used as an elective in the B.A. Math program.

² Required by the B.A. and B.S. Math programs - may be used as a technical elective in the B.S. Computer Science program.

³ Required by the B.S. Math program – may be used as a Technical Elective in the B.A. Math or B.S. Computer Science programs.

Objective 5 Courses (select up to three*):

HIS 120-235	Historical Experience courses (Obj 5A)
ENG 210, 246-252, 255-257	Literary Experience courses (Obj 5B)
ART 101-121, 152, 201; HUM 131; MUS 130-132; THR 116, 145	Aesthetic Experience courses (Obj 5C)
ANT 131; FRN 131, 132; GEO 132; GER 131, 132; SPN 131-232	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.

HIGHLIGHTS

Great Reputation – 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.

UDM is affordable! About 75% of UDM students receive some type of financial aid and/or scholarship. Combining co-op income and potential scholarships and financial aid, you may have little out-of-pocket expenses. To determine if you qualify for any of UDM's scholarships (including full tuition grants) established for transfer students, contact the Admissions office at 313-993-1245 or admissions@udmercy.edu.

Co-op Leader – All computer science and mathematics students at UDM are highly encouraged to participate in the co-op program, which integrates real practice with a rigorous on-campus education. Besides valuable experience, students earn an average of over \$9,000 during each co-op rotation. This provides a significant amount of income for tuition. Previous related work experience can be considered for transfer credits.

Five Year BS/MS Degree – An option to complete both Bachelor's and Master's degrees in five years is now available in Computer Science. There are two concentrations for the Master's Program: Computer Applications and Software Engineering.

Career Paths - The B.S. /B.A. degrees in computer science and mathematics prepare students for numerous career choices, including: teaching, actuarial positions, industrial jobs and research. Our students are also accepted into M.S. and Ph.D. programs.

Excellent Faculty – UDM's small classes are taught by experienced professors (not teaching assistants) who help foster a positive learning environment. Faculty conduct research, receive grant money for laboratory equipment and curriculum development, work in industry, and win national teaching awards.

Campus Activities – To gain professional, technical and social connections, we highly encourage participation in at least one of the many Engineering and Science organizations or University clubs.

Location - UDM, located in a residential area of Northwest Detroit, is easily accessible from many major freeways (including I-94) and is close to numerous corporations, including many companies' headquarters. The Metro Detroit area is also home to many sports teams, cultural activities and entertainment. We invite you to visit!