



**ST. CLAIR COUNTY 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. 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. 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

ST CLAIR COUNTY COMM COLLEGE COURSES UDM EQUIVALENCIES

Major Courses:

CIS 264	C++ Programming for Engineers	CSC 1710	Intro to Computer Science I
ENG 104	Technical Report Writing ¹	ENL 3030	Technical Writing
MTH 114	Calculus I	MTH 1410	Analytic Geom & Calculus I
MTH 215	Calculus II	MTH 1420	Analytic Geom & Calculus II
MTH 216	Calculus III ²	MTH 2410	Analytic Geom & Calculus III
MTH 210	Linear Algebra	MTH 4020	Linear Algebra w/Apps
MTH 217	Differential Equations ³	MTH 3720	Diff Equations w/ Linear Alg

B.S. Computer Science Technical Elective: (may be used as electives in B.S. Math or B.A. Math)

CIS 233	Linux + Certification	CSC 3170	Linux Systems Programming
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Other select CIS courses may be used as Technical Electives in the CSC and/or MTH programs. Please consult with a UDM advisor.

Core Curriculum Courses:

ENG 102	English Composition II	ENL 1310	Academic Writing (Obj 1)
SPC 101	Speech Communication	CST 1010	Fund of Speech (Obj 1)
AST 104, 105; BIO 100-270; CHM 101-216;		Choose two Natural Science courses (Obj 3)	
GEO 101, 105, 137; GLG 101, 102; PHS 101;			
PHY 110, 121-222			
PHL 210	Introduction to Philosophy	PHL 1000	Intro to Philosophy (Obj 4)
PHL 215	Introduction to Logic	PHL 1500	Intro to Logic (Obj 4)
PHL 220	Religions of the World	RELS 2---	Religious Studies req't (Obj 4)

¹ Required by the B.S. Math and B.S. Computer Science programs.

² Required by the B.A. and B.S. Math programs.

³ Required by the B.S. Math program.

Objective 5 Courses (select up to three*):

Additional courses not listed may also transfer.

HIS 101, 149, 150, 233	Historical Experience courses (Obj 5A)
ENG 205, 206, 207, 225	Literary Experience courses (Obj 5B)
ENG 255; THA 101, 106	Aesthetic Experience courses (Obj 5C)
ANT 171; CHI 101, 102; FR 101-204; GEO 233; GR 101-204; HIS 102; PSY 280; SP 101-204	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 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.

UDM is affordable! Nearly 80% of UDM students receive financial aid and/or scholarships. 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 800-635-5020, 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 available in Computer Science. There are two concentrations for the Master's Program: Computer Applications and Software Engineering.

Career Paths – The B.S. in Computer Science and the B.S. /B.A. degrees in 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.

We are Closer than you may think! - UDM, located in a residential area of Northwest Detroit, is easily accessible from I-94 and most major freeways in the Detroit area. We invite you to visit!