



**SCHOOLCRAFT 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](mailto:admissions@udmercy.edu).

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

**SCHOOLCRAFT COLLEGE COURSES**

**UDM EQUIVALENCIES**

**Major Courses:**

CIS 211	Introduction to C++	CSC 171	Intro to Computer Science I
CIS 221	Advanced C++ <sup>1</sup>	CSC 172	Intro to Computer Science II
ENG 116	Technical Writing <sup>2</sup>	ENL 303	Technical Writing
MATH 150	Calculus with Analytic Geometry 1	MTH 141	Analytic Geom & Calculus I
MATH 151	Calculus with Analytic Geometry 2	MTH 142	Analytic Geom & Calculus II
MATH 240	Calculus with Analytic Geometry 3 <sup>3</sup>	MTH 241	Analytic Geom & Calculus III
MATH 230	Linear Algebra <sup>4</sup>	MTH 402	Linear Alg with Applications
MATH 252	Differential Equations <sup>5</sup>	MTH 372	Diff Equations w/Linear Alg

**B.S. Computer Science also requires:** (may be used as technical electives in B.S. Math or B.A. Math)

CIS 251	IT Project Management	CSC 457	Software Project Management
CIS 255	Introduction to LINUX <sup>1</sup>	CSC 317	LINUX Systems Programming

Other select CIS courses (including CIS 212, 223, 239, 250, 260, 271, 272, 273, 275, 276, 277, 278, 281, 286, and 290) may be used as Technical Electives in the CS program. Please consult with a UDM advisor.

**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)
BIOL 101, 105, 120-238, 243; CHEM 111-214; GEOL 120-134, 237; PHYS 104-212			Choose two Natural Science courses (Obj 3)
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> Required by the B.S. Computer Science program; may be used as an elective in the B.A. or B.S. Math programs.

<sup>2</sup> Required by the B.S. Math and B.S. Computer Science programs; may be used as an elective in B.A. Math program.

<sup>3</sup> Required by the B.A. Math and B.S. Math programs; may be used as a technical elective in B.S. Computer Science.

<sup>4</sup> Required by the B.S. Math and B.S. Computer Science programs; may be used as a technical elective in B.A. Math.

<sup>5</sup> Required by B.S. Math; may be used as a technical elective in B.S. Computer Science or B.A. Math programs.

## Objective 5 Courses (select up to three\*):

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)

\* 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

**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 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](mailto: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. In addition to 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.

**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 many freeways, including the Lodge and I-96. We are approximately 25 minutes from Schoolcraft College. We invite you to visit!