



**LANSING 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](http://www.udmercy.edu)

**LANSING COMMUNITY COLLEGE COURSES**

**UDM EQUIVALENCIES**

**Major Courses:**

CPSC 230 Algorithms and Computing with C++  
 CPSC 231 Computing and Data Structures <sup>1</sup>  
 MATH 151 Calculus I  
 MATH 152 Calculus II  
 MATH 253 Calculus III <sup>2</sup>  
 MATH 254 Intro: Differential Equations <sup>3</sup> **and**  
 MATH 260 Linear Algebra <sup>3</sup>  
 WRIT 124 Technical Writing <sup>4</sup>

CSC 171 Intro to Computer Science I  
 CSC 172 Intro to Computer Science II  
 MTH 141 Analytic Geom & Calculus I  
 MTH 142 Analytic Geom & Calculus II  
 MTH 241 Analytic Geom & Calc III  
 MTH 372 Diff Eq w/Linear Alg **and**  
 MTH 402 Linear Algebra with App  
 ENL 303 Technical Writing

**Core Curriculum Courses:**

ENGL 122 Writing about Literature and Ideas **or**  
 WRIT 122 Composition II  
 SPCH 130 Fundamentals of Public Speaking

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

ASTR 201; BIOL 120-203, 210-276, 287;  
 CHEM 120-152, 182, 251-252; GEOL 221-230;  
 ISCI 131; PHYS 120-252

Choose two Natural Science Courses (Obj 3)

PHIL 153 Knowledge & Reality  
 RELG 211-250  
 PHIL 151, 211-260; RELG 211-250  
 PHIL 152 Introduction to Ethics

PHL 100 Intro to Philosophy (Obj 4)  
 Choose 1 Religious Studies course (Obj 4)  
 Choose 1 add'l Phil or Rel Studies (Obj 4)  
 PHL 201 Ethics (Obj 6A)

<sup>1</sup> Required by the B.S. Computer Science program - may be used as an elective in B.A. or B.S. Math programs.

<sup>2</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>3</sup> Linear Algebra may transfer by itself, but in order to transfer MTH 372, both Linear Algebra and Differential Equations must be taken at LCC.

B.S. Math: both MTH 402 and MTH 372 are required.

B.S. Computer Science: MTH 402 is required; MTH 372 may be a technical elective.

B.A. Math: MTH 402 fulfills requirement; MTH 372 may be used as a technical elective for the B.A. Secondary track.

<sup>4</sup> Required by the B.S. Math and B.S. Computer Science programs - may be used as an elective in B.A. Math program.

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

HIST 150-263 Historical Experience courses (Obj 5A)

ENGL 201-205, 211-220, 255-290 Literary Experience courses (Obj 5B)

ARCH 141-142; ARTS 102, 131, 132, 136, 140, 145, 200, 203, 204; ENGL 240; FILM 130; HUMS 120-140, 211-221, 260; MUSC 240, 241; THEA 110, 210 Aesthetic Experience courses (Obj 5C)

ANTH 270-276; ECON 260; FREN 115-202; GEOG 200; GRMN 115-202; HUMS 160, 225; JAPN 115-202; POLS 260; SOCL 180, 185, 260; SPAN 115-202; SPCH 280; VIET 121, 122 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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## UDM HIGHLIGHTS

**Great Reputation** - 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.

**UDM is affordable!** Nearly 80% 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](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. 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-96). It 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!