



KALAMAZOO VALLEY 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

KALAMAZOO VALLEY

COMMUNITY COLLEGE COURSES

UDM EQUIVALENCIES

Major Courses:

ENG 227	Technical Writing II ¹	ENL 303	Technical Writing
MATH 160	Calculus 1 and Analytic Geometry	MTH 141	Analytic Geom & Calculus I
MATH 162	Calculus 2 and Analytic Geometry	MTH 142	Analytic Geom & Calculus II
MATH 260	Calculus 3 and Analytic Geometry ²	MTH 241	Analytic Geom & Calculus III
MATH 264	Differential Equations/ Linear Algebra ³	MTH 372	Differential Equ w/Linear Alg

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

CIS 112	UNIX/ Linux Operating Systems	CSC 317	Linux Systems Programming
CIS 205	PC Database Programming or		
CIS 225	Database and Utilities/ SQL	CSC 354	Database Systems & Program
CIS 209	Java Programming	CSC 413	Java

Other select CIS courses may be used as Technical Electives in the CS program. Please consult with a UDM advisor.

Core Curriculum Courses:

COM 101	Public Speaking	CST 101	Fund of Speech (Obj 1)
ENG 111	College Writing II: Literature	ENL 131	Academic Writing (Obj. 1)
BIO 100-210; CHM 100-230; GEO 110;			Choose two Natural Science courses (Obj 3)
PHY 100-222			
PHI 201	Introduction/ Philosophy	PHL 100	Intro to Philosophy (Obj 4)
HUM 207; PHI 209-211			Choose 1 Religious Studies course (Obj 4)
HUM 207; PHI 100, 203, 204, 209-211			Choose 1 add'l Phil or Relig Studies (Obj 4)
PHI 205	Ethics	PHL 201	Ethics (Obj 6A)

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

² Required by 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.S. Computer Science and B.A. Math (Secondary track) programs.

Objective 5 Courses (select up to three*):

HRY 100-103, 207-220, 240

Historical Experience courses (Obj 5A)

ENG 201-207, 215-219; HUM 208

Literary Experience courses (Obj 5B)

ART 101-110, 132, 140, 170, 220, 221;
HUM 101, 225; MUS 101, 102

Aesthetic Experience courses (Obj 5C)

COM 223; ENG 230; FRL 101-108,
(both FRL 130 and 131), (both FRL 134 and 135),
FRL 201-206; HRY 150, 230; HUM 130, 200, 205, 210;
PSI 202; SOC 201

Comparative Experience courses (Obj 5D)

* Choose any combination for a total of two courses from objectives 5A, 5B and 5C above. Choose one course (minimum of 3 credits) from objective 5D.

HIGHLIGHTS

Great Reputation – For the sixth consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Master's Universities in the 2007 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM is the top ranking Michigan university in this category. In the "Great Schools at Great Prices" listing, UDM is in the top 6% of 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! Over 70% 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. In some cases, we encourage transfer students to co-op just prior to beginning classes at UDM. 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 close to numerous corporations including many companies' headquarters. The Metro Detroit area is also home to a wide variety of cultural activities, entertainment, and sports teams. We invite you to visit!