



SIENA HEIGHTS UNIVERSITY EQUIVALENCY GUIDE

Engineering Programs College of Engineering and Science

Entrance Requirements: 2.50 GPA based on 24 or more credits.

The following courses will transfer into a University of Detroit Mercy Engineering program [Civil/Environmental, Electrical/Computer, Manufacturing or Mechanical.] Students may transfer a maximum of 96 credits.

To set up a campus visit, contact an Admissions Counselor at 313-993-1245, 800-635-5020 or admissions@udmercy.edu. In order to qualify for the first required co-op experience as early as the summer following the sophomore year, students should contact Carolyn Rimle at 313-993-1530 or rimlec@udmercy.edu at the beginning of the sophomore year, or earlier.

SIENA HEIGHTS UNIVERSITY COURSES

Engineering, Math and Science Courses:

CHE 141	General Chemistry I
CHE 142	General Chemistry II ¹
CIS 252	Introduction to C++
MAT 181	Calculus with Analytic Geometry I
MAT 182	Calculus with Analytic Geometry II
MAT 292	Multivariable Calculus
MAT 282	Differential Equations AND
MAT 345	Linear Algebra
MAT 440	Probability and Statistics
PHY 261	Physics I (Calculus Based)
PHY 262	Physics II (Calculus Based)

Core Curriculum Courses:

ENG 102	Reading and Writing II
TSC 101	Fundamentals of Speech Communication
PHI 201	Introduction to Philosophy
RST 101-480	Religious Studies
PHI 110, 210-363 or RST 101-480	

UDM EQUIVALENCIES

CHM 107/110	General Chemistry I/ Lab
CHM 108	General Chemistry II
E 204	Intro to Engr Computing
MTH 141	Analytic Geom & Calculus I
MTH 142	Analytic Geom & Calculus II
MTH 241	Analytic Geom & Calc III
MTH 372	Differential Eq w/Linear Alg
MTH 427	Applied Prob & Statistics
PHY 160/161	General Physics I/ Lab
PHY 162/163	General Physics II/ Lab

ENL 131	Academic Writing (Obj 1)
CST 101	Fund of Speech (Obj 1)
PHL 100	Intro to Philosophy (Obj 4)
Choose 1 Religious Studies course	(Obj 4)
Choose 1 Phil or Relig Stds course	(Obj 4)

¹ Not required by Electrical/Computer Engineering program.

Core Curriculum continued

UDM's Objective 5 - Select up to three courses from the following list. One course must address "comparative experiences" or come from a foreign language department. Contact Transfer Director, Carolyn Rimle, at 313-993-1530 or rimlec@udmercy.edu for exceptions or clarifications to this list.

Siena Heights University courses:

Art History: ART 210-445

Economics: ECO 342

English: ENG 113, 213, 225-227, 251-253, 285, 343, 345-354, 357, 385, 445, 485

Geography: GEO 301, 302

History: HIS 102-333, 341, 342, 360, 460, 485

Humanities: HUM 201

Music: MUS 316-318

Political Science: PSC 260

Sociology: SOC 113, 244

Spanish: [Only one of the following may be used to fulfill Objective 5: SPA 101-241, 340, 341]

Additional classes may be taken from the following list: SPA 311- 333, 347- 371, 410, 450

Sport Management: SMG 343, 445

Theatre: TSC 102, 342, 441

UDM FAST FACTS

US News and World Report Ranking – The 2002 edition of the *U.S. News and World Report's* "America's Best Colleges" placed the University of Detroit Mercy in the Top Tier of Midwest Universities in its category, and first in Michigan.

UDM is affordable! Combining co-op income and potential scholarships and financial aid, you may have little out-of-pocket expenses. See details below.

Co-op Leader – For all engineering students at UDM, co-op integrates real engineering practice with a rigorous on-campus education that includes computing and laboratory intensive components. UDM has one of the few four-year engineering programs in the country where all students obtain one full year of experience prior to graduation. Besides valuable experience, students earn an average of \$28,000 during their three co-op rotations. In some cases, we encourage transfer students to co-op before beginning classes at UDM. This will give you a significant amount of income toward your tuition. Prior engineering related work experience can be considered for transfer credits.

Scholarships – UDM has several internally and externally funded scholarships (including full tuition grants) established for transfer students. Contact the Admissions office at 313-993-1245 or admissions@udmercy.edu to determine if you qualify.

Teaching Scholars – The faculty of the College of Engineering and Science has become a community of *teaching scholars*, leading the nation in attracting National Science Foundation grants (30 in the past five years) for laboratory instrumentation and curriculum development. All equipment is used in undergraduate instructional labs. Faculty members, not teaching assistants, teach all major courses.

Student Leadership – To gain professional, technical and social connections, we highly encourage participation in one of the 25 College organizations or numerous University clubs.

Location - UDM, located in Northwest Detroit, has close proximity 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!

