



LANSING COMMUNITY COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS

Entrance Requirements: Minimum 2.5 GPA based on at least 24 credits. If less than 24 credits have been earned, high school transcripts are required. Only grades of 2.0 or higher may transfer.

The following courses will transfer into a University of Detroit Mercy Engineering program [Architectural, Civil/Environmental, Electrical/Computer, or Mechanical]. Additional courses not on this guide may also transfer. Students may transfer a maximum of 63 credits toward their degree.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245, 800-635-5020 or admissions@udmercy.edu

UDM website: udmercy.edu

LANSING COMMUNITY COLLEGE COURSES

Engineering, Math and Science Courses:

CHEM 151 General Chemistry Lecture I
CHEM 152 General Chemistry Lecture II ¹
CHEM 161 General Chemistry Lab I
CIVL 124 Route Survey ²
CPSC 230 Algorithms and Computing with C++
MATH 151 or 161 Calculus I
MATH 152 or 162 Calculus II
MATH 253 Calculus III
MATH 254 Intro to Differential Equations **and**
MATH 260 Linear Algebra
PHYS 251 Physics I: Mechanics
PHYS 252 Physics II: Electromag/Waves/Optics
Approved Biology/Ecology/Geology Course ²

Core Curriculum Courses:

ENGL 122 or 132 Writing about Lit & Ideas or
WRIT 122 or 132 Composition II
SPCH 130 Fundamentals of Public Speaking
PHIL 153 Knowledge and Reality
RELG 211- 250
PHIL 151,152, 211-260; RELG 211- 250
WRIT 124 Technical Writing

UDM EQUIVALENCIES

CHM 1070 General Chemistry I
CHM 1080 General Chemistry II
CHM 1100 Chemistry Laboratory I
CIVE 3400/3410 Civ Eng:Srv,CAD,GIS/Lab
CSSE 1710 or ENGR 2040 Intro to Prog I
MTH 1410 Analytic Geom & Calc I
MTH 1420 Analytic Geom & Calc II
MTH 2410 Analytic Geom & Calc III

MTH 3720 Differential Eq w/Linear Alg
PHY 1600/1610 General Physics I/ Lab I
PHY 1620/1630 General Physics II/ Lab II
Natural Science Requirement

ENL 1310 Academic Writing (OB1)
CST 1010 Fund of Speech (OB1)
PHL 1000 Intro to Philosophy (OB4A)
Choose 1 Religious Studies course (OB4B)
Choose 1 add'l Phil or Rel Studies (OB4C)
ENL 3030 Technical Writing

¹ Option for Mechanical Engineering program only. CHEM 152 or another approved science course may fulfill the requirement – consult with a UDM advisor.

² Option for Civil/Environmental Engineering program only. Consult with a UDM advisor regarding Natural Science course.

Objective 5 Courses (select two-three*):

Additional courses not listed may also transfer.

HIST 150, 211, 212, 214, 240, 250, 263

Historical Experience courses (OB5A)

ENGL 201, 202, 203, 260

Literary Experience courses (OB5B)

ARCH 141, 142; ENGL 240; FILM 130;
HUMS 120, 140, 211, 212; MUSC 240, 241, 246;
THEA 110, 120, 140

Aesthetic Experience courses (OB5C)

ANTH 270; ECON 260; CHIN 121, 122;
FREN 115-202; GEOG 200; GRMN 115-202;
HUMS 125, 160, 213, 214, 221, 225, 260; JAPN 115-202;
POLS 260; PSYC 240; SIGN 160-164, 250;
SPAN 104-202; SPCH 280

Comparative Experience courses (OB5D)

*Select two courses total from Objectives 5A, 5B, and 5C above and one course from Objective 5D.
Arch Engineers select just *one* course from Objectives 5A, 5B, or 5C and one course from Objective 5D.

UDM HIGHLIGHTS

Great Reputation – For the eleventh consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Regional Universities in the 2012 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM is once again ranked one of the top 25 schools in its category and is one of the highest ranking Michigan universities on the list. Also, UDM's Engineering programs recently celebrated 100 years of education!

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 – 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 nearly \$30,000 during their three co-op rotations. This provides a significant amount of income for tuition. Previous engineering related work experience can be considered for transfer credits.

Excellent Faculty – UDM's small classes are taught by experienced professors (not teaching assistants) who help foster a positive learning environment. Engineering faculty conduct research, receive grant money for lab 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 and 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!