



MACOMB COMMUNITY COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS

Entrance Requirements: Minimum 2.5 GPA based on at least 24 semester hours of credit. If less than 24 credits have been earned, high school transcripts are required. Courses must be a “C” or better in order to transfer.

The following courses will transfer into University of Detroit Mercy Engineering programs [Architectural, Civil/Environmental, Electrical/Computer, or Mechanical]. Additional courses not on this guide may also transfer.

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

UDM website: www.udmercy.edu

MACOMB COMM COLLEGE COURSES

Math, Science and Engineering Courses:

CHEM 1170 General Chemistry 1
CHEM 1180 General Chemistry 2 ¹
DRCG 1140 (rec for Civil Engr) or PRDE 1400
or PRDE 1500 or PRDE 1600 **and**
ENGR 1000 Introduction to Engineering
PRDE 1410 or PRDE 1450 or PRDE 1510
or PRDE 1610 ¹
ITCS 2530 C++ Programming 1 ²
ITCS 2550 C++ Programming 2 ³
MATH 1760 Analytic Geometry & Calculus 1
MATH 1770 Analytic Geometry & Calculus 2
MATH 2760 Analytic Geometry & Calculus 3
MATH 2770 Differential Equations
PHYS 2220 Analytical Physics 1
PHYS 2230 Analytical Physics 2
SURV 2220 Civil and Survey Drafting ⁴
Approved Biology/Ecology/Geology Course ⁴

Core Curriculum Courses:

ENGL 1190 Communications 2 **or**
ENGL 1220 Composition 2
SPCH 1060 Speech Communication
PHIL 2010 Introduction to Philosophy
HUMN 1700, 2000, 2100
HUMN 1700, 2000, 2100; PHIL 2100, 2120,
2200, 2400

¹ Required by Mechanical Engineering program only. This or another approved science class may be used to fulfill this requirement - consult with a UDM advisor.

² Not required by Architectural Engineering program.

³ Required by Electrical/Computer Engineering programs only.

⁴ Required by Civil/Environmental Engineering program only. Consult with UDM advisor regarding Natural Science course.

UDM EQUIVALENCIES

CHM 1070/1100 General Chemistry I/ Lab
CHM 1080/1120 General Chemistry II/ Lab
ENGR 1050 Engineering Graphics & Design **and**
ENGR 1000 Ethics/Politics of Engineering (OB6A)
ENGR 1070 Intro to Solid Modeling ¹
ENGR 2040 Engr Computing or CSSE 1710 Prog I
CSSE 1720 Intro to Programming II
MTH 1410 Analytic Geom & Calculus I
MTH 1420 Analytic Geometry & Calculus II
MTH 2410 Analytic Geometry & Calculus III
MTH 3720 Differential Equations w/Linear Alg
PHY 1600/1610 General Physics I/ Lab
PHY 1620/1630 General Physics II/ Lab
CIVE 3400/3410 Engineering Surveys/Lab
Natural Science Requirement

ENL 1310 Academic Writing (OB1)
CST 1010 Fundamentals of Speech (OB1)
PHL 1000 Introduction to Philosophy (OB4A)
Choose 1 Religious Studies course (OB4B)
Choose 1 Phil or Relig Studies course (OB4C)

Objective 5 Courses (select two-three*):

Additional courses not listed may also transfer.

HIST 1500, 1600, 1700, 2100, 2200, 2420, 2520;
INTL 2000

Historical Experience courses (OB5A)

ENGL 1730, 2510, 2520, 2600, 2610, 2710-2730;
2800, 2810, 2850; HUMN 1750

Literary Experience courses (OB5B)

ARTT 1610, 2610, 2620; HUMN 1210, 1250, 1300,
1460, 1472-1479, 1750; MUSC 1030, 2710, 2720

Aesthetic Experience courses (OB5C)

ANTH 1000, ARAB 1260, 1270; CHIN 1260, 1270;
FREN 1260-2370; GEOG 2000; GRMN 1260-2370;
HIST 1260, 1270, 1700, 2000; HUMN 1750;
ITAL 1260-2370; POLS 1900, 1950; PSYC 2500;
SIGN 1010-1030, 2010, 2030; SOSOC 2010;
SPAN 1260-2370; SPCH 2300

Comparative Experience courses (OB5D)

ECON 1160 (transferable for students completing Associate's degree or Certificate in Pre-Engineering)

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

Dual Enrollment – To ease the transition between MCC and UDM, it is an option to take one or more engineering courses at UDM while completing courses at MCC. Contact the Director of Transfer Programs at rmlc@udmercy.edu for specific classes, which vary by department.

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 most major freeways. We invite you to visit!