



SCHOOLCRAFT 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.

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

UDM website: udmercy.edu

SCHOOLCRAFT COLLEGE COURSES

UDM EQUIVALENCIES

Math, Science, Engineering Courses:

BIOL 101	General Biology ¹	BIO 1080	The Science of Life
CAD 103	Engineering Graphics and	ENGR 1050	Engr Graphics and Design and
ENGR 100	Intro to Engineering & Technology	ENGR 1000	Ethics & Politics of Engineering
CAD 211	CATIA - Level 1 ² or		
CAD 221	SolidWorks – Level 1 ²	ENGR 1070	Intro to Solid Modeling
CHEM 111	General Chemistry 1	CHM 1070/1100	General Chemistry I/Lab
CHEM 117	General Chem 2 & Qual Analysis ²	CHM 1080/1120	General Chemistry II/Lab
CIS 211	Introduction to C++ ³	CSSE 1710	Intro Prgrm I <i>or</i> ENGR 2040 Engr Comp
ENGR 201	Statics ⁴	ENGR 3120	Statics
ENGR 202	Mechanics of Materials ⁴	ENGR 3260	Mechanics of Materials
ENGR 203	Dynamics ⁴	ENGR 3130	Dynamics
MATH 150	Calculus with Analytic Geom 1	MTH 1410	Analytical Geom and Calculus I
MATH 151	Calculus with Analytic Geom 2	MTH 1420	Analytical Geom and Calculus II
MATH 240	Calculus with Analytic Geom 3	MTH 2410	Analytical Geom and Calculus III
MATH 252	Differential Equations	MTH 3720	Differential Eq w/ Linear Algebra
PHYS 211	Physics for Scientists & Engrs 1	PHY 1600/1610	General Physics I/Lab
PHYS 212	Physics for Scientists & Engrs 2	PHY 1620/1630	General Physics II/Lab

Core Curriculum Courses:

COMA 103	Fundamentals of Speech	CST 1010	Fundamentals of Speech (OB1)
ENG 102	English Composition 2	ENL 1310	Academic Writing (OB1)
PHIL 243	An Introduction to Philosophy	PHL 1000	Intro to Philosophy (OB4A)
ANTH 211	Myth, Magic, World Religions		Religious Studies requirement (OB4B)
PHIL 247 or PHIL 277	(select only one)	PHL 1500	Logic <i>or</i> PHL 2100 Ethics (OB4C)
ENG 116	Technical Writing	ENL 3030	Technical Writing

¹ BIOL 101(UDM's BIO 1080) is required by the Architectural Engineering program only; this or another *approved* Biology/Ecology/Geology class may be used for Civil/Environmental Engineering – consult with a UDM advisor.

² Required by Mechanical Engineering program only. CHEM 117 or another *approved* science class may be used – consult with a UDM advisor.

³ Not required by the Architectural Engineering program.

⁴ Not required by the Electrical/Computer Engineering programs.

Objective 5 Courses (select two to three*):

Additional courses not listed may also transfer.

HIST 134, 137, 138, 151, 152, 153

Historical Experience courses (OB5A)

ENG 243, 244, 245, 246, 248, 275

Literary Experience courses (OB5B)

ART 115, 116, 201, ENG 200; HUM 106, 150, 201-204,
215, 231, 232; MUSIC 105, 149, 155, 164, 165;
THEA 101, 208

Aesthetic Experience courses (OB5C)

ANTH 112, 117, 201, 214; ARB 101-202; CHIN 101, 102; Comparative Experience courses (OB5D)
FR 101-202; GEOG 133; GER 101-202;
ITAL 101, 102; POLS 207; SOC 210; SPAN 101-202

ECON 201 (transferable only for students completing an Associate's degree)

*Select two courses total from Objectives 5A, 5B, and 5C above and one course from Objective 5D.
Architectural 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. 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. 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 Schoolcraft and UDM, it is an option to take one or more engineering courses at UDM while completing courses at Schoolcraft. Contact the Transfer Director at rimec@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 many freeways, including I-96. We invite you to visit!