XAVIER UNIVERSITY OF LOUISIANA 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. Course grades must be a "C" or better in order to transfer.

The following courses will transfer into a University of Detroit Mercy Engineering program [Architectural, Civil, Electrical/Computer, Mechanical, or Robotics and Mechatronic Systems]. Students may transfer a maximum of 96 credits. 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**

XAVIER UNIVERSITY OF LA COURSES		UDM EQUIVALENCIES	
All Engineering disciplines:			
CHEM 1110/1111L	General Chemistry I and Lab	CHM 1070/1100	General Chemistry I and Lab I
ENGR 1000	Intro to Engineering	ENGR 1000	Ethics and Politics of Engineering
MATH 1070	Introductory Calculus	MTH 1410	Analytic Geometry & Calculus I
MATH 2070	Calculus II	MTH 1420	Analytic Geometry & Calculus II
MATH 2080	Calculus III	MTH 2410	Analytic Geometry & Calculus III
MATH 2530	Differential Equations	MTH 3720	Differential Equ w/Linear Algebra
MATH/STAT 4040	Mathematical Probability & Statistics I	MTH 4270	Applied Probability and Statistics
PHYS 1121	General Physics I	PHY 1600/1610	General Physics I/ Lab
PHYS 2111 + PHY 2121	General Physics II & III	PHY 1620/1630	General Physics II/ Lab
Additional ENGR/PHYS 3000-4000-level courses may transfer as Technical Electives in some depts. Contact UDM advisor.			
Additional courses for Architectural Engineering:			
ENGR 1061 + ENGR 1100	Engr Graphics + Engr Design	ENGR 1050	Engineering Graphics & Design
ENGR 2120/PHYS 3120	Circuits I	ENGR 3200	Principles of Electrical Engineering
ENGR 2210/PHYS 3210	Mechanics-Statics	ENGR 3120	Statics
ENGR 2020/PHYS 3020	Mechanics-Dynamics	ENGR 3130	Dynamics
ENGR/PHYS 3040	Thermodynamics	ENGR 3150	Thermodynamics I
Additional courses for Civil Engineering:			
BIOL 1030/1030L	Gen Biology (or another approved science)	BIO 1080	The Science of Life
CPSC 1710	Computer Science I	CSSE 1710	Intro to Programming I
ENGR 1061 + ENGR 1100	Engr Graphics + Engr Design	ENGR 1050	Engineering Graphics & Design
ENGR 2210/PHYS 3210	Mechanics-Statics	ENGR 3120	Statics
ENGR 2020/PHYS 3020	Mechanics-Dynamics	ENGR 3130	Dynamics
ENGR/PHYS 3040	Thermodynamics	ENGR 3150	Thermodynamics I
Additional courses for Electrical/Computer Engineering			
CPSC 1710	Computer Science I	CSSE 1710	Intro to Programming I
CPSC 1720	Computer Science II	CSSE 1720	Intro to Programming II
CPSC 2120	Computer Organization & Arch	ELEE 4800	Computer Organization & Arch
ENGR 1061	Modern Engineering Graphics	ENGR 1055	Engr Graphics & Computer Methods
ENGR 1100	Intro to Engineering Design	ENGR 1080	Fundamentals of Engineering Design
ENGR 2120/PHYS 3120	Circuits I	ELEE 2500	Fund Electrical & Computer Engineering I
ENGR/PHYS 3010 + PHYS 3011	Elect/Magnetism I & II	ENGR 3660	Electromagnetics I
Additional courses for Mechanical Engineering			
CHEM 1120	Gen Chemistry II (or another approved science)	CHM 1080	General Chemistry II
CPSC 1710	Computer Science I	CSSE 1710	Intro to Programming I
ENGR 1061	Modern Engineering Graphics	ENGR 1055	Engr Graphics & Computer Methods
ENGR 1100	Intro to Engineering Design	ENGR 1080	Fundamentals of Engineering Design
ENGR 2210/PHYS 3210	Mechanics-Statics	ENGR 3120	Statics
ENGR 2020/PHYS 3020	Mechanics-Dynamics	ENGR 3130	Dynamics
ENGR 2120/PHYS 3120	Circuits I	ENGR 3200	Principles of Electrical Engineering
ENGR/PHYS 3040	Thermodynamics	ENGR 3150	Thermodynamics I

Additional courses for Robotics and Mechatronic Systems Engineering

CPSC 1710	Computer Science I	CSSE 1710	Intro to Programming I
CPSC 1720	Computer Science II	CSSE 1720	Intro to Programming II
ENGR 1061	Modern Engineering Graphics	ENGR 1055	Engr Graphics & Computer Methods
ENGR 1100	Intro to Engineering Design	ENGR 1080	Fundamentals of Engineering Design
ENGR 2210/PHYS 3210	Mechanics-Statics	ENGR 3120	Statics
ENGR 2020/PHYS 3020	Mechanics-Dynamics	ENGR 3130	Dynamics
ENGR 2120/PHYS 3120	Circuits I	ELEE 2500	Fund Electrical & Computer Engineering I

Core Curriculum (all disciplines):

Students are encouraged to select classes that may be used toward *both* XULA and UDM degrees.

XULA		UDM	
ENGL 1010	English Composition and Rhetoric	ENL 1310	Academic Writing (OB1)
CMST 1010	Fundamentals of Public Speaking	CST 1010	Fundamentals of Speech (OB1)
PHIL 1030	Great Books in Philosophy **or**		
PHIL 1070	Problems in Philosophy	PHL 1000	Introduction to Philosophy (OB4A)
THEO - any 3 credit course		Choose 1 Religious Studies course (OB4B)	
THEO or PHIL - any 3 cr course not used for OB4A/B		Choose 1 add'l Relig Studies or Phil course (OB4C)	

Objective 5 - select one to three courses*. Additional courses not listed may also transfer.

AFAM 3350, 3360; HIST 1030-2250, 2600, 2700, 3001-3011, 3150-3700	Historical Experience courses (OB5A)
AFAM 3175, 3280, 3290; ENGL 2010-2080, 3010-3125, 3160-3221, 3270-3290	Literary Experience courses (OB5B)
ART 1090, 2110, 2120, 4130, 4140; MSCM 2580, MUSH 2000	Aesthetic Experience courses (OB5C)
CMST 1500, GEOG 3010; PSCI 3010; PSYC 2110; SOCI 2060, 4045; Any Foreign Language (3 credits)	Comparative Experience courses (OB5D)

* Architectural Engineers just select one course from OB5D. All other engineering disciplines select two courses total from OB5A, OB5B, and OB5C and one course from OB5D.

UDM HIGHLIGHTS

Great Reputation - For the twelfth consecutive year, University of Detroit Mercy is listed in the top tier of Midwest Best Regional Universities in the 2013 edition of the *U.S. News and World Report's* "Best Colleges." UDM is ranked one of the top 20 schools in its region. UDM College of Engineering & Science's undergraduate engineering program is also ranked as one of America's top 100 undergraduate engineering non-doctorate programs. UDM engineering graduates are highly sought out by industry and graduate programs. *We are proud of our 100+ year old tradition of educating engineers!*

UDM is affordable! - Approximately 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 *over 100 years*, UDM has been preparing professional engineers through the required co-op program. 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 over $32,000 during their three co-op rotations. Previous engineering related work can be evaluated for possible portfolio credit.