



ALBION COLLEGE EQUIVALENCY GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS

Entrance Requirements: 2.50 GPA based on at least 24 semester hours of credit. If less than 24 credits have been taken, high school transcripts are required.

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 semester hours of credit. According to transfer policy, additional courses not on this guide may also be transferable.

To arrange a campus visit, contact an Admissions Counselor at 800-635-5020, 313-993-1245 or admissions@udmercy.edu. In order to determine when you may begin the cooperative education program, contact Carolyn Rimple at 313-993-1530 or rimplec@udmercy.edu.

UDM website: www.udmercy.edu

ALBION COLLEGE COURSES

Math, Science, Engineering Courses:

CHEM 121	Structure and Equilibrium
CHEM 123	Inorganic Chemistry: Introduction ¹
CS 171	Intro to Computer Science I
MATH 141	Calculus of a Single Variable I
MATH 143	Calculus of a Single Variable II
MATH 245	Multivariable Calculus
MATH 247	Differential Equ & Linear Algebra
MATH 309	Mathematical Statistics
PHYS 167	Analytical Physics I
PHYS 168	Analytical Physics II
PHYS 245	Electronics
PHYS 321	Modern Physics ²
PHYS 322	Solid State and Nuclear Physics ²
PHYS 336	Electricity and Magnetism ²
PHYS 384	Thermodynamics ¹

Additional PHYS 300 level courses may transfer as General or Technical Electives. Contact a UDM advisor for more information.

Core Curriculum Courses:

ENGL 101	English Composition
COMM 241	Public Speaking
PHIL 101	Introduction to Philosophy
RS 101-320	
PHIL 102-360; RS 101-320	

UDM EQUIVALENCIES

CHM 107/110	General Chemistry I/ Lab
CHM 108	General Chemistry II
E 204	Intro to Engineering Computing
MTH 141	Analytic Geometry & Calculus I
MTH 142	Analytic Geometry & Calculus II
MTH 241	Analytic Geometry & Calculus III
MTH 372	Differential Equ w/Linear Algebra
MTH 427	Applied Probability and Statistics
PHY 160/161	General Physics I/ Lab
PHY 162/163	General Physics II/ Lab
EE 250	Fund of ECE I (EE/Comp Eng) or
E 320	Principles of EE (Civil, ME, Mfg)
PHY 367	Modern Physics
PHY 368	Solid State Device Physics
EE 366	Electromagnetics I
E 315	Thermodynamics I

¹ Not required by Electrical/Computer Engineering program.

² Required by the Electrical/ Computer Engineering program only.

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 UDM Transfer Director, Carolyn Rimle, at 313-993-1530 or rimlec@udmercy.edu for exceptions or clarifications.

Albion College Courses:

Anthropology: A&S 105, 248, 252, 254, 256, 310

Art History: ARTH 111-312

English (classes under Literature heading only) ENGL 151-243, 253-360, 370-376

History: HIST 101-399

International Studies: INTN 300

Music: MUS 111, 113, 119, 313, 314

Political Science: PLSC 202, 229, 352

Theatre: THEA 111, 209, 280, 281, 375-376

Foreign Language (only one course may be used to fulfill the OBJ 5 requirement)

HIGHLIGHTS

Great Reputation – For the sixth consecutive year, University of Detroit Mercy is listed in the top tier of Midwestern Master's Universities in the 2007 edition of the *U.S. News and World Report's* "America's Best Colleges." UDM is the top ranking Michigan university in this category. In the "Great Schools at Great Prices" listing, UDM moved up to the top 6% in its category. According to U.S. News, this ranking highlights the best financial value as it relates to a school's academic quality. Also, UDM engineering programs are accredited by ABET.

UDM is affordable! Over 70% 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.

Get a Job! - 92% of UDM graduating engineering students in 2006 either had a job offer or had been accepted to graduate school on their graduation day.

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 25 College of Engineering and Science organizations or numerous University clubs.

Location - UDM, located in a residential area of Northwest Detroit, is close to numerous corporations including many companies' headquarters. The Metro Detroit area is also home to a wide variety of cultural activities, entertainment, and sports teams. We invite you to visit!

