



ST. CLAIR COUNTY COMMUNITY COLLEGE EQUIVALENCY GUIDE
COLLEGE OF ENGINEERING AND SCIENCE
ENGINEERING PROGRAMS – OLD CORE

The following courses will transfer into the University of Detroit Mercy Engineering programs [Architectural, Civil, Electrical, Mechanical, and Robotics & Mechatronic Systems]. Normally, students may transfer up to 63 credits. However, due to an Articulation Agreement, students may transfer additional SC4 courses that apply toward a Detroit Mercy engineering degree (currently up to 70 Detroit Mercy credits-varies by program). Course grades must be a C or better. Additional courses not on this guide may also transfer.

This guide reflects the Old Core Curriculum effective prior to Fall 2017. Transfer students starting between Fall 2017 and Summer 2021 will have the option to select this Old Core or the New Core. See Transfer Guides indicating “NEW CORE” for the new requirements.

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

ST. CLAIR COUNTY COMM COLLEGE COURSES

Required Objective 1 courses:

ENG 102 English Composition II
 SPC 101 Speech Communication

Required Objective 2 & 3 courses:

Satisfied by program requirements

Required Objective 4 courses:

PHL 210 Introduction to Philosophy
 PHL 220 Philosophy of Religion
 PHL 213, 215

Required Objective 5 courses:

All engineering disciplines select one OB5D course. Civil, Electrical, Mechanical, and Robotics & Mechatronic Systems Engineering students also select any two courses total from OB5A, OB5B and/or OB5C.

HIS 101, 149, 150, 233, 280

ENG 205-208, 220, 221, 225, 243-246

ART 120-122; ENG 255; MUS 106; THA 101, 106

ANT 171; FR 101, 102, 203, 204; GEO 102, 233;

GR 101, 102, 203, 204; HIS 102; PSY 280;

SP 101, 102, 203, 204;

PS 101 – *may be used as OB5 only for students completing the Associate in Engineering degree*

Required Objective 6 Courses:

PHL 213 Ethics (*if not used for OB4C*)
 (*ENGR 1000 at Detroit Mercy is recommended*)

DETROIT MERCY EQUIVALENCIES

Communication Skills:

ENL 1310 Academic Writing OB1
 CST 1010 Fundamentals of Speech OB1

Mathematical & Computer Skills/Scientific Literacy

Meaning & Value:

PHL 1000 Intro to Philosophy OB4A
 Choose 1 Religious Studies course OB4B
 Choose 1 add'l Phil/Religious Studies course OB4C

Diverse Human Experience:

Historical Experience courses OB5A
 Literary Experience courses OB5B
 Aesthetic Experience courses OB5C
 Choose 1 Comparative Experience course OB5D

Social Responsibility:

PHL 2010 Foundations of Ethics OB6A

MTA Students only:

Detroit Mercy participates in the **Michigan Transfer Agreement (MTA)**. Most of Detroit Mercy’s Core Curriculum (listed above) will be satisfied for students who complete the MTA. However, MTA students also need to complete the requirements below either as part of the MTA, beyond the MTA at another institution, or at Detroit Mercy.

ENL 1310 (OB1)-if 2nd English Comp class is not taken CST 1010 (OB1)-if Communications class is not taken
 PHL 1000 (OB4A) Religious Studies (OB4B) Ethics (OB6A) OB6B-take at Detroit Mercy

A minimum of three OB5 courses must be completed (two of Arch Engr’s OB5 requirements are specific courses taken at Detroit Mercy).

Students should select courses that meet both the MTA and program specific requirements.

For the Engineering programs, it may not necessarily be an advantage to complete the MTA.

Contact the Transfer Credit Team if you have any questions: transferteam@udmercy.edu or 313-993-1940.

These courses fulfill requirements for Detroit Mercy's Engineering programs:

ST CLAIR COUNTY COMM COLLEGE COURSES

DETROIT MERCY EQUIVALENCIES

Math, Science, Engineering Courses

All Engineering disciplines:

CHM 111	Chem Theory & Princ w/ Analysis	CHM 1070/1100	General Chemistry I/Lab
MTH 114	Calculus I	MTH 1410	Analytical Geom and Calculus I
MTH 215	Calculus II	MTH 1420	Analytical Geom and Calculus II
MTH 216	Calculus III	MTH 2410	Analytical Geom and Calculus III
MTH 217	Differential Equations	MTH 3720	Differential Equ w/Linear Algebra
PHY 221	Mechanics, Heat & Sound	PHY 1600/1610	General Physics I/Lab
PHY 222	Electricity, Light & Modern Physics	PHY 1620/1630	General Physics II/Lab

Additional courses for Architectural Engineering:

ETG 180	Engineering Graphics	AND	ENGR 1050	Engr Graphics & Design	AND
PHY 115	Introduction to Engineering		ENGR 1000	Ethics & Politics of Engineering	
PHY 231	Statics		ENGR 3120	Statics	
PHY 232	Introduction to Electric Circuits		ENGR 3200/3210	Principles of Electrical Engineering	

Additional courses may transfer after portfolio review by Architecture faculty.

Additional courses for Civil Engineering:

BIO 100, 250, 270	<i>(or another approved biology course)</i>	Choose 1 approved Biology course			
ETG 180	Engineering Graphics	AND	ENGR 1050	Engr Graphics & Design	AND
PHY 115	Introduction to Engineering		ENGR 1000	Ethics & Politics of Engineering	
PHY 231	Statics		ENGR 3120	Statics	

Additional courses for Electrical Engineering:

PHY 232	Introduction to Electric Circuits	ELEE 2500/2510	Fund of Electrical & Comp Engr I
PHY 115	Intro to Engineering	<i>(recommended but optional)</i>	

Additional courses for Mechanical Engineering:

PHY 231	Statics	ENGR 3120	Statics
PHY 232	Introduction to Electric Circuits	ENGR 3200/3210	Principles of Electrical Engineering
PHY 115	Intro to Engineering	<i>(recommended but optional)</i>	

Additional courses for Robotics & Mechatronic Systems Engineering:

PHY 231	Statics	ENGR 3120	Statics
PHY 232	Introduction to Electric Circuits	ELEE 2500/2510	Fund of Electrical & Comp Engr I
PHY 115	Intro to Engineering	<i>(recommended but optional)</i>	

ENTRANCE REQUIREMENTS

- Minimum 2.5 GPA based on 24 or more credits earned from SC4 (and/or other institutions).
- If less than 24 credits have been earned, a student's high school transcript is required.
- Apply for admission to Detroit Mercy at udmercy.edu/apply; the application is free.

If you have questions regarding SC4 courses and how they transfer to Detroit Mercy, contact the Transfer Credit Team at 313-993-1940 or transferteam@udmercy.edu

Contact Detroit Mercy to learn more about scholarships, award-winning faculty, and co-op. For over 100 years, Detroit Mercy has been preparing excellent engineers through an outstanding academic curriculum and the required co-op program. Students obtain one year of experience and earn an average of over \$30,000 during their three co-op assignments. We invite you to visit!