Transfer Plan for Washtenaw Community College
Engineering – B.S. Degree
College of Engineering
engineering.wayne.edu (313) 577-2424

This transfer plan will help guide you in making the transition from community college to Wayne State University.
<mark>WSU **strongly** recommends that all transfer students meet with a WSU advisor in order to ensure you are taking the correct courses before transferring.</mark> Schedule an appointment with an academic advisor through stars.wayne.edu/

Biomedical Engineering:	Namrata Murthy	nmurthy@wayne.edu
Chemical Engineering:	Tracy Castle	tfcastle@wayne.edu
Civil Engineering:	Elizabeth Hill	ekondrat@wayne.edu
Electrical Engineering:	Kate Rendi	kate.rendi@wayne.edu
Industrial Engineering:	Gail Evans	gevans@wayne.edu
Mechanical Engineering:	Keith Wadley	keith.wadley@wayne.edu
Undecided:	Casey Rue	crue@wayne.edu

Bachelors of Science degree requirements for all of the following Engineering Majors

- Biomedical Engineering (BME)
- Chemical Engineering (CHE)
- Civil Engineering (CE)
- Electrical and Computer Engineering (ECE)
- Industrial and Manufacturing Engineering (IE)
- Mechanical Engineering (ME)

WSU Title	WSU Course	Washtenaw Course
Calculus I (QE)	MAT 2010	MTH 191
Calculus II (QE)	MAT 2020	MTH 192
Calculus III	MAT 2030	MTH 293
Linear Algebra and Differential Equations	MAT 2150 (or 2250+2350)	MTH197 + 295
General Physics I (NSI)	PHY 2175	PHY 211
General Physics II	PHY 2185	PHY 222
Principles of Chemistry I (NSI)	CHM 1125/1130	CEM 111
Intro. College Writing (BC)	ENG 1020	ENG 111
Tech. Comm I: Rpts (IC)	ENG 3050	ENG 208

Specific Engineering Major Requirements

BS Biomedical Engineering

WSU Title	WSU Course	Washtenaw Course
Basic Biology I + Lab	BIO 1510 +BIO 1511	BIO 162
(CI) Prof. Ethics	PHI 1120 (CI)	No Equivalent course must be taken at WSU

BS Chemical Engineering

WSU Title	WSU Course	Washtenaw Course
General Chemistry II + Lab	CHM 1145 + 1150	CEM 1140
Organic Chemistry I + Lab	CHM 1240 + 1250	CEM 211
Organic Chemistry II-NO LAB	CHM 2225	CEM 222
Intro to Prog & Computation: PYTHON	BE 1600	CPS 141
(CI) Prof. Ethics	PHI 1120 (CI)	No Equivalent course must be taken at WSU

BS Civil Engineering

WSU Title	WSU Course	Washtenaw Course
Basic Biology or Introduction to Life or Basic Life Diversity or Geology: The Science of Earth	BIO 1510 or 1050 or 1500 or ESG 1010	BIO 101 or BIO 103 or BIO 162 or GLG 100 or GLG 114 or ENV 101

BS Electrical and Computing Engineering

WSU Title	WSU Course	Washtenaw Course
Physics lab	PHY 2171 OR PHY 2181	PHY 211 OR PHY 222
(CI) Prof. Ethics or Intro to Ethics	PHI 1120 (CI) or 2320	PHL 205
(SI) Principles of Macroeconomics or Microeconomics or Survey of Economics	ECO 2010 or 2020 or 1000	ECO 111 or ECO 211 or ECO 222

BS Industrial Engineering

WSU Title	WSU Course	Washtenaw Course
(CI) Professional Ethics	PHI 1120	No Equivalent course at WCC-must be taken at WSU
Intro to Prog & Computation: PYTHON	BE 1600	CPS 141
(SI) Principles of Microeconomics	ECO 2010	ECO 211

BS Mechanical Engineering

(CI) Professional Ethics	PHI 1120	No Equivalent course at WCC-must be taken at WSU

*** This plan is for informational purposes only. The University reserves the right to update this plan at any time without notice***

Michigan Transfer Agreement (MTA)

A student whose community college transcript is endorsed as "MTA satisfied" has completed WSU's General Education Requirements. **The College of Engineering requires specific courses that also qualify as general education requirements. Meet with an advisor to ensure courses that satisfy MTA will also meet engineering specific requirements.** See here for specific MTA information and courses that qualify for MTA: http://www.wccnet.edu/services/transferresources/mta/

Once students apply to the College of Engineering, they may be admitted to the Professional Engineering program, the Pre-professional Program, or EOS bridge program, depending on their educational background and placement examination results. Please see here for more information: https://wayne.edu/students/majors/engineering/

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