



This transfer plan will help guide you in making the transition from community college to Wayne State University.

WSU strongly recommends that all transfer students meet with a WSU advisor in order to ensure you are taking the correct courses before transferring. 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	MCC Course
Calculus I (QE)	MAT 2010	MATH 1760
Calculus II (QE)	MAT 2020	MATH 1770
Calculus III	MAT 2030	MATH 2760
Linear Algebra and Differential Equations	MAT 2150 (or 2250+2350)	MATH 2000+2770
General Physics I (NSI)	PHY 2175	PHYS 2220
General Physics II	PHY 2185	PHYS 2230
Principles of Chemistry I (NSI)	CHM 1125/1130	CHEM 1170
Intro. College Writing (BC)	ENG 1020	ENGL 1180 or ENGL 1210
Tech Comm I: Reports (IC)	ENG 3050	BCOM 2050 or 2070

Specific Engineering Major Requirements

BS Biomedical Engineering

WSU Title	WSU Course	MCC Course
Basic Biology I + Lab	BIO 1510 +BIO 1511	BIOL 1000
Basic Engineering I	BE 1200	ENGR 1000

BS Chemical Engineering

WSU Title	WSU Course	MCC Course
General Chemistry II + Lab	CHM 1145 + 1150	CHEM 1180
Organic Chemistry I + Lab	CHM 1240 + 1250	CHEM 2260+ 2270
Organic Chemistry II-NO LAB	CHM 2225	CHEM 2280
Basic Engineering I	BE 1200	ENGR 1000
(CI) Professional Ethics	PHI 1120	PHIL 2120

BS Civil Engineering

WSU Title	WSU Course	MCC 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	NATS 1200 or ESCI 1210 or GEOL 1140 or BIO 1010 or ENVS 1050
Basic Engineering I	BE 1200	ENGR 1000

BS Electrical and Computing Engineering

WSU Title	WSU Course	MCC Course
Physics lab	PHY 2171 OR PHY 2181	PHYS 2220 or 2230
(CI) Prof. Ethics or Intro to Ethics	PHI 1120 (CI) or 2320	PHIL 2100
Basic Engineering I	BE 1200	ENGR 1000
(SI) Principles of Macroeconomics or Microeconomics or Survey of Economics	ECO 2010 or 2020 or 1000	ECO 1160 or 1170

BS Industrial Engineering

WSU Title	WSU Course	MCC Course
(CI) Professional Ethics	PHI 1120	PHIL 2120
Basic Engineering I	BE 1200	ENGR 1000
(SI) Principles of Microeconomics	ECO 2010	ECON 1170

BS Mechanical Engineering

WSU Title	WSU Course	MCC Course
(CI) Professional Ethics	PHI 1120	PHIL 2120

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

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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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:

<https://wayne.edu/transfer/community-college/mta>