



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	HFC Course
Calculus I (QE)	MAT 2010	MATH 180
Calculus II (QE)	MAT 2020	MATH 183
Calculus III	MAT 2030	MATH 280
Linear Algebra and Differential Equations	MAT 2150 (or 2250+2350)	MATH 283+288
General Physics I (NSI)	PHY 2175	PHYS 231
General Physics II	PHY 2185	PHYS 232
Principles of Chemistry I (NSI)	CHM 1125/1130	CHEM 141
Intro College Writing (BC)	ENG 1020	ENG 131
Tech. Comm II: Prsnt (IC)	ENG 3050	ENG 135

Specific Engineering Major Requirements

BS Biomedical Engineering

WSU Title	WSU Course	HFC Course
Basic Biology I + Lab	BIO 1510 +BIO 1511	BIO 152
Basic Engineering I	BE 1200	ENGR 130
Intro to Prog & Computation ENGR	BE 1500	ENGR 125
Materials Science for ENGR	BE 1300	ENGR 201
Statics	ME 2410	ENGR 232
Mechanics of Materials	ME 2420	ENGR 235

BS Chemical Engineering

WSU Title	WSU Course	HFC Course
General Chemistry II + Lab	CHM 1145 + 1150	CHEM 142
Organic Chemistry I	CHM 1240	CHEM 241
Organic Chemistry Lab I	CHM 1250	CHEM 243
Organic Chemistry II-NO LAB	CHM 2225	CHEM 242
Basic Engineering I	BE 1200	ENGR 130
Materials Science for ENGR	BE 1300	ENGR 201
Intro to Prog & Computation: PYTHON	BE 1600	CIS 125
(CI) Prof. Ethics	PHI 1120 (CI)	No Equivalent course must be taken at WSU

BS Civil Engineering

WSU Title	WSU Course	HFC 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 152 or BIO 131 or GEOL 131 or BIO 1050
Basic Engineering I	BE 1200	ENGR 130
Intro to Prog & Computation ENGR	BE 1500	ENGR 125
Statics	CE 2410	ENGR 232
Mechanics of Materials	CE 2420	ENGR 235

BS Electrical and Computing Engineering

WSU Title	WSU Course	HFC Course
Basic Engineering I	BE 1200	ENGR 130
Intro to Prog & Computation ENGR	BE 1500	ENGR 125
(CI) Prof. Ethics or Intro to Ethics	PHI 1120 (CI) or 2320	PHI 1610
(SI) Principles of Macroeconomics or Microeconomics or Survey of Economics	ECO 2010 or 2020 or 1000	BEC 152 or BEC 151 or BEC 133

BS Industrial Engineering

WSU Title	WSU Course	HFC Course
Basic Engineering I	BE 1200	ENGR 130
Materials Science for ENGR	BE 1300	ENGR 201
Intro to Prog & Computation: PYTHON	BE 1600	CIS 125
(CI) Prof. Ethics	PHI 1120 (CI)	No Equivalent course must be taken at WSU
Microeconomics (SI)	ECO 2010	BEC 152

BS Mechanical Engineering

WSU Title	WSU Course	HFC Course
Intro to Prog & Computation ENGR	BE 1500	ENGR 125
Materials Science for ENGR	BE 1300	ENGR 201
Statics	ME 2410	ENGR 232
Mechanics of Materials	ME 2420	ENGR 235
(CI) Prof. Ethics	PHI 1120 (CI)	No Equivalent course 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:

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

6/2023