



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
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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	OCC Course
Calculus I (QE)	MAT 2010	MAT 1730
Calculus II (QE)	MAT 2020	MAT 1740
Calculus III	MAT 2030	MAT 2740
Linear Algebra and Differential Equations	MAT 2150 (or 2250+2350)	MAT 2880+2810
General Physics I (NSI)	PHY 2175	PHY 2400
General Physics II	PHY 2185	PHY 2500
Principles of Chemistry I (NSI)	CHM 1125/1130	CHE 1510
Intro College Writing (BC)	ENG 1020	ENG 1510
Tech. Comm II: Prsnt (IC)	ENG 3050	ENG 2200

Specific Engineering Major Requirements

BS Biomedical Engineering

WSU Title	WSU Course	OCC Course
Basic Biology I + Lab	BIO 1510 +BIO 1511	BIO 1530
Basic Engineering I	BE 1200	EGR 1100
Intro to Prog & Computation ENGR	BE 1500	EGR 2010
Materials Science for ENGR	BE 1300	MSE 1000
Statics	ME 2410	EGR 2100
Mechanics of Materials	ME 2420	EGR 2200

BS Chemical Engineering

WSU Title	WSU Course	OCC Course
General Chemistry II + Lab	CHM 1145 + 1150	CHE 1520
Organic Chemistry I	CHM 1240	CHE 2610

Organic Chemistry Lab I	CHM 1250	CHE 2650
Organic Chemistry II-NO LAB	CHM 2225	CHE 2620
Basic Engineering I	BE 1200	EGR 1100
Materials Science for ENGR	BE 1300	MSE 1000
(CI) Prof. Ethics	PHI 1120 (CI)	No Equivalent course must be taken at WSU

BS Civil Engineering

WSU Title	WSU Course	OCC 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 1530 or BIO 1511 or BIO 1560
Basic Engineering I	BE 1200	EGR 1100
Intro to Prog & Computation ENGR	BE 1500	EGR 2010
Statics	CE 2410	EGR 2100
Mechanics of Materials	CE 2420	EGR 2200

BS Electrical and Computing Engineering

WSU Title	WSU Course	OCC Course
Basic Engineering I	BE 1200	EGR 1100
Intro to Prog & Computation ENGR	BE 1500	EGR 2010
(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	ECO 2620 or ECO 2620 or ECON 110

BS Industrial Engineering

WSU Title	WSU Course	OCC Course
Basic Engineering I	BE 1200	EGR 1100
Materials Science for ENGR	BE 1300	MSE 1000
Microeconomics (SI)	ECO 2010	ECO 2620
(CI) Prof. Ethics	PHI 1120 (CI)	No Equivalent course must be taken at WSU

BS Mechanical Engineering

WSU Title	WSU Course	OCC Course
Intro to Prog & Computation ENGR	BE 1500	EGR 2010
Materials Science for ENGR	BE 1300	MSE 1000
Statics	ME 2410	EGR 2100
Mechanics of Materials	ME 2420	EGR 2200
Dynamics	ME 3400	EGR 2020
(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>