



Transfer Student Success Center Transfer Planning Guide

Engineering Technology—B.S. Degree
College of Engineering
<https://engineering.wayne.edu/> (313) 577-3780



We strongly encourage all transfer students to complete WSU's general education requirements through the Michigan Transfer Agreement (MTA) by taking the MTA-approved courses at their respective community college:

<http://www.schoolcraft.edu/academics/michigan-transfer-agreement>

Major Requirements

There are five major programs under Engineering Technology at WSU:

- Bachelor of Science in Construction Management (BS-CM)
- Bachelor of Science in Computer Technology (BS-CT)
- Bachelor of Science in Electrical/Electronic Engineering Technology (BS-EET)
- Bachelor of Science in Electromechanical Engineering Technology (BS-EMT)
- Bachelor of Science in Mechanical Engineering Technology (BS-MCT)

Transfer Students may take the transferable courses in the tables below for the major of their interest before transferring to WSU.

Table Guide:

- **BOLDED courses can be fulfilled as part of the MTA.**
- *Only **ONE** Math course is fulfilled by the MTA. Student would need to take all math courses for the major requirement, but only one of them will be counted to fulfill MTA.
- ** Please refer to WSU's transfer guide, or consult with a WSU ET advisor before taking these classes
<https://wayne.edu/transfercredit/>
- *** Direct equivalent is PHI 2320 at WSU, but ET accepts this course to fulfill PHI 1120 at WSU.

Bachelor of Science in Construction Management (BS-CM)

	WSU Course (BS-CM Curriculum)	Schoolcraft Equivalent Courses
Math & Science	MAT 1800 (QE) Elementary Functions	* MATH 129
	MAT 3430 Appl Differential & Integral Calculus	* MATH 150
	CHM 1020 (NSI) General Chemistry	CHEM 104
	PHY 2130,1 (NSI) Physics for Life Science I + Lab	PHYS 181
Business & Management	ECO 2020 (SI) Principles of Macroeconomics	ECON 201
	PHI 1120 (CI) Professional Ethics	*** PHIL 277
	Business Management Electives	**See (1) below
Lower Div Tech Transfer	ET 2140 Introduction 2D & 3D CAD	CAD103
	Lower Division Technical Electives	**See (2) below
Additional requirements	ENG 3050 (IC) Intermediate Composition	ENG 116

(1) Most courses at Schoolcraft that are under the subjects of ACCT/BUS would fulfill that category.

(2) Most courses at Schoolcraft that are under the subjects of BMET/CAD/CGT/CIS/DRFG/ELECT/EMTMFG/MET/ROBAT/WELD would fulfill that category

Bachelor of Science in Computer Technology (BS-CT)

	WSU Course (BS-CT Curriculum)		Schoolcraft Equivalent Courses
Math & Science	MAT 1800	(QE) Elementary Functions	*MATH 129
	MAT 3430	Appl Differential & Integral Calculus	*MATH 150
		(NSI) Natural Science Inquiry	**See (1) below
		(NSI) Natural Science Inquiry Lab	**See (1) below
Lower Division Technical Courses	CSC 1100.1	Problem Solving & Programming	CIS 211+ 221
	EET 2100	Principle of Digital Design	ELECT 219
	EET 2720	Microprocessor Fundamentals	ELECT 144
	EET/CSC	Lower Division Technical	**See (2) below
	EET/CSC	Upper Division Tech Elective	CIS 273
Additional requirements	ENG 3050	(IC) Intermediate Composition	ENG 116
	PHI 1120	(CI) Cultural Inquiry	***PHIL 277
<p>(1) CHEM 104 and PHYS 181 are recommended. Other courses that fulfill the (NSI) attribute plus a 1-credit lab are also allowed.</p> <p>(2) Most courses at Schoolcraft that are under the subject of BMET/CAD/CGT/CIS/DRFG/ELECT/EMTMFG//MET/ROBAT/WELD would fulfill that category</p>			

Bachelor of Science in Electrical/Electronic Engineering Technology (BS-EET)

	WSU Course (BS-EET Curriculum)		Schoolcraft Equivalent Courses
Math & Science	MAT 1800	(QE) Elementary Functions	*MATH 129
	MAT 3430	Appl Differential & Integral Calculus	*MATH 150
	MAT 3450	Appl Calculus & Diff Equations	**See (1) below
	CHM 1020	(NSI) General Chemistry	CHEM 104
	PHY 2130,1	(NSI) General Physics	PHYS 181
	PHY 2140,1	General Physics	PHYS 182
Lower Division Technical Courses	E T 2160	Computer Applications for ET	CIS 211
	EET 2000	Electrical Principles	ELECT 137+138
	EET 2100	Principle of Digital Design	ELECT 219
	EET 2720	Microprocessor Fundamentals	ELECT 144
	EET	Lower Division Technical	**See (2) below
	EET 3180	Analog Electronics	ELECT 139 + ELECT 215
Additional requirements	ENG 3050	(IC) Intermediate Composition	ENG 116
	PHI 1120	(CI) Cultural Inquiry	***PHIL 277
<p>(1) Students have the option to take MAT3450 (required MAT3430 as prerequisite) at Wayne or MATH252 (required several prerequisites) at Schoolcraft</p> <p>(2) Most courses at Schoolcraft that are under the subjects of BMET/CAD/CGT/CIS/DRFG/ELECT/EMTMFG/MET/ROBAT/WELD would fulfill that category</p>			

Bachelor of Science in Electromechanical Engineering Technology (BS-EMT)

	WSU Course (BS-EMT Curriculum)	Schoolcraft Equivalent Courses
Math & Science	MAT 1800 (QE) Elementary Functions	*MATH 129
	MAT 3430 Appl Differential & Integral Calculus	*MATH 150
	MAT 3450 Appl Calculus & Diff Equations	**See (1) below
	CHM 1020 (NSI) General Chemistry	CHEM 104
	PHY 2130,1 (NSI) General Physics	PHYS 181
	PHY2140,1 General Physics	PHYS 182
Lower Division Technical Courses	E T 2140 Computer Graphics	**See (2)
	E T 2160 Computer Applications for ET	CIS 211
	EET 2000 Electrical Principles	ELECT 137+138
	EET 2100 Principle of Digital Design	ELECT 219
	EET 2720 Microprocessor Fundamentals	ELECT 144
	EET or Lower Division Technical MCT	**See (3) below
	MIT 3500 Manufacturing Processes Lab	MFG 102
Additional requirements	ENG 3050 (IC) Intermediate Composition	ENG 116
	PHI 1120 (CI) Cultural Inquiry	***PHIL 277
<p>(1) MCC students have the option to take MAT3450 at Wayne (required MAT3430 as prerequisite) or MATH252 at Schoolcraft (required several prerequisites).</p> <p>(2) Any one of: <i>CAD100/101/102/106/107/211/221, CAM205, or DSGN250</i> would fulfill that category</p> <p>(3) Most courses at Schoolcraft that are under the subjects of <i>BMET/CAD/CGT/CIS/DRFG/ELECT/EMTMFG/MET/ROBAT/WELD</i> would fulfill that category</p>		

Bachelor of Science in Mechanical Engineering Technology (BS-MCT)

	WSU Course (BS-EMT Curriculum)	Schoolcraft Equivalent Courses
Math & Science	MAT 1800 (QE) Elementary Functions	*MATH 129
	MAT 3430 Appl Differential & Integral Calculus	*MATH 150
	MAT 3450 Appl Calculus & Diff Equations	**See (1) below
	CHM 1020 (NSI) General Chemistry	CHEM 104
	PHY 2130,1 (NSI) General Physics	PHYS 181
	PHY 2140,1 General Physics and Lab	PHYS 182
Lower Division Technical Courses	E T 2140 Computer Graphics	**See (2) below
	E T 2160 Computer Applications for ET	CIS 211
	E T 2200 Engineering Materials	MET 103
	EET 2000 Electrical Principles	ELECT 137+138
	MCT/MIT Lower Division Technical	**See (3) below
	MIT 3500 Manufacturing Process Lab	MFG 102
Additional requirements Courses	ENG 3050 (IC) Intermediate Composition	ENG 116
	PHI 1120 (CI) Cultural Inquiry	***PHIL 277
<p>(1) MCC students have the option to take MAT3450 at Wayne (required MAT3430 as prerequisite) or MATH252 at Schoolcraft (required several prerequisites).</p> <p>(2) Any one of: <i>CAD100/101/102/106/107/211/221, CAM205, or DSGN250</i> would fulfill that category</p> <p>(3) Most courses at Schoolcraft that are under the subjects of <i>BMET/CAD/CGT/CIS/DRFG/ELECT/EMT/MFG/MET/ROBAT/WELD</i> would fulfill that category</p>		

Advising

For general questions about transferring credits, application processes, transfer pathways, scholarships, and the Michigan Transfer Agreement, schedule an appointment with a [Transfer Advisor](#) through stars.wayne.edu. You can also email transfer@wayne.edu or discover more at wayne.edu/transfer. For detailed, specific questions about the major, [email or schedule an appointment](#) with an Engineering Technology advisor.

Transfer Credit Resources

- **[Transfer Equivalency Self-Service](#)**: This tool displays how your earned credits will transfer into specific Wayne State degree programs. This tool provides an unofficial degree audit that indicates how your transfer credit is applied, and which courses are still required to complete the degree.
- **[Transfer Pathways](#)**: The transfer pathways are agreements with Michigan community colleges that streamline the transfer credit process while providing a roadmap to earning your associate and bachelor's degrees.
- **[Transfer Course Equivalency](#)**: This tool allows you to research specific courses and how they transfer to Wayne State.
- **[Michigan Transfer Agreement \(MTA\)](#)**: The MTA can be earned at any Michigan community college to satisfy the Wayne State general education requirements. Each community college has an MTA-approved course list of its own, so please refer to the list of courses that your respective community college has approved for MTA.

Understanding Transfer Credit

- **What will transfer?** All college-level classes from regionally accredited colleges with a grade of 2.0 (C) or above will transfer. There are no specific limits to the number of transfer credits. However, each academic program has specific requirements that must be satisfied which helps determine the best number of credits to transfer.
- **How will it transfer?** Courses transfer as the number of credits earned at the college where you took the class. This is true regardless of the number of credits the Wayne State equivalent course is worth. Each transferred course will match one of the following types of credits:
 - **Equivalent credit** – matches a specific WSU course.
 - **Department credit** – transfer into the academic department without a specific WSU course match.
 - **Elective credits** – transfer as general or elective credit (GEN 1XXX or GEN 2XXX).

Transfer Admissions Requirements

To transfer to Wayne State, you must have at least 24 transferable credits of previous college work and a minimum 2.5 cumulative GPA from all higher education institutions you have attended. If you have completed an associate degree, you may be admitted with a cumulative GPA of 2.0 or better. Visit wayne.edu/apply to complete the university application.

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