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.macomb.edu/resources/transfer-articulation/attachments/mta-macrao-course-list.pdf

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/

Bachelor of Science in Construction Management (BS-CM)

	WSU Course (BS-CM Curriculum)		MCC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	***MATH 1465 OR 1415+1435**
	MAT 3430	**Appl Differential & Integral Calculus**	***MATH 1760**
	CHM 1020	**(NSI) General Chemistry**	**CHEM 1050**
	PHY 2130, 1	**(NSI) Physics for Life Science I + Lab**	**PHYS 1180**
Business & Management	**ECO 2020**	**(SI) Principles of Macroeconomics**	**ECON 1160**
	PHI 1120	**(CI) Professional Ethics**	**PHIL 2120**
		Business Management Electives	**See (1) below
Lower Div Tech Transfer	ET 2140	Computer Graphics	CNST 1080
		Soils & Foundations	CIVL 2200
		Lower Division Technical Electives	**See (2) below
Additional requirements	ENG 3050	(IC) Intermediate Composition	BCOM 2050

(1) Most courses at MCC that are under the subjects of *ACCT/BUSN/FINC/MKTG/MGMT* would fulfill that category.
(2) Most technical courses or credits from the following subjects: *CNST/DRAD/CIVL/SURV/DRCG.*

Bachelor of Science in Computer Technology (BS-CT)

	WSU Course (BS-CT Curriculum)		MCC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	***MATH 1465 OR 1415+1435**
	MAT 3430	**Appl Differential & Integral Calculus**	***MATH 1760**
		(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	ITCS 2530
	CSC 2100.1	Computer Science I & Lab	ITCS 2550
	EET 2100	Principle of Digital Design	ELEC 1211
	EET 2720	Microprocessor Fundamentals	ELEC 1221
	EET/CSC	Lower Division Technical	**See (2) below
	CSC 3750	Introduction to Web Technology	ITWP 1000
Additional requirements	ENG 3050	(IC) Intermediate Composition	BCOM2050
	PHI 1120	**(CI) Cultural Inquiry**	**PHIL2120**

(1) CHEM 1050 and PHYS 1180 are recommended. Other courses that fulfill the (NSI) attribute plus a 1-credit lab are also allowed.

(2) Most technical courses under *ATAM, ATAP, ATDD, ATEM, ATPP, ATRA, ATSS, ATTR, ATWD, AUTO, CLCT, CORE, DRAD, DRCG, ELEC, ENGR, ITAP, ITBS, ITCS, ITIA, ITNC, ITNT, ITOS, ITWP, MACA, MECT, PRDE, QUAL, RNEW, ROBO, are transferable*.

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

	WSU Course (BS-EET Curriculum)		MCC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	***** MATH 1465 OR 1415+1435**
	MAT 3430	**Appl Differential & Integral Calculus**	***MATH 1760**
	CHM 1020	**(NSI) General Chemistry**	**CHEM 1050**
	PHY 2130,1	**(NSI) General Physics**	**PHYS 1180**
	PHY 2140, 1	General Physics	PHYS 1190
Lower Division Technical Courses	ET 2160	Computer Applications for ET	ITCS 2530
	EET 2000	Electrical Principles	ELEC 1161 + ELEC1171 or MECT 1141
	EET 2100	Principle of Digital Design	ELEC 1211
	EET 2720	Microprocessor Fundamentals	ELEC 1221
	EET	Lower Division Technical	**See below
	EET 3180	Analog Electronics	ELEC 2005 + ELEC 2490
Additional requirements	ENG 3050	(IC) Intermediate Composition	BCOM 2050
	PHI 1120	**(CI) Cultural Inquiry**	**PHIL 2120**

** Any other technical courses or credits in *ATAM, ATAP, ATBC, ATDD, ATEM, ATFP, ATMT, ATPP, ATRA, ATSS, ATTR, ATWD, AUTO, CIVL, CLCT, CORE, DRAD, DRCG, ELEC, ENGR, MACA, MECT, PRDE, QUAL, RNEW, ROBO, SURV*

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

	WSU Course (BS-EMT Curriculum)		MCC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	*** MATH 1465 OR 1415+1435**
	MAT 3430	**Appl Differential & Integral Calculus**	***MATH 1760**
	MAT 3450	Appl Calculus & Diff Equations	**See (1) below
	CHM 1020	**(NSI) General Chemistry**	**CHEM 1050**
	PHY2130, 1	**(NSI) General Physics**	**PHYS 1180**
	PHY2140 ,1	General Physics	PHYS 1190
Lower Division Technical Courses	ET 2140	Computer Graphics	**See (2) below
	ET 2160	Computer Applications for ET	ITCS 2530
	EET 2000	Electrical Principles	ELEC 1161 + ELEC 1171 or MECT 1141
	EET 2100	Principle of Digital Design	ELEC 1211
	EET 2720	Microprocessor Fundamentals	ELEC 1221
	EET or MCT	Lower Division Technical	**See (3) below
	MIT 3500	Manufacturing Processes Lab	ATMT 1150 or 1160
Additional requirements	ENG 3050	(IC) Intermediate Composition	BCOM 2050
	PHI 1120	**(CI) Cultural Inquiry**	**PHIL 2120**

(1) MCC students have the option to take MAT 3450 at Wayne (required MAT 3430 as prerequisite) or MATH 2770 at Macomb (required several prerequisites).
(2) Any one of: *ATAP 2010, ATAP 2030, ATAP 2350, ATAP 2360, ATAP 2370, DRCG 1140, PRDE 1400, PRDE 1410, PRDE 1450, PRDE 1475, PRDE 1520, PRDE 1620, PRDE 2520, PRDE 2620*
(3) Any other technical courses or credits in *ATAM, ATAP, ATBC, ATDD, ATEM, ATFP, ATMT, ATPP, ATRA, ATSS, ATTR, ATWD, AUTO, CIVL, CLCT, CORE, DRAD, DRCG, ELEC, ENGR, MACA, MECT, PRDE, QUAL, RNEW, ROBO, SURV*

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

	WSU Course (BS-MCT Curriculum)		MCC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	***MATH 1465 or 1415+1435**
	MAT 3430	**Appl Differential & Integral Calculus**	***MATH 1760**
	MAT 3450	Appl Calculus & Diff Equations	**See (1) below
	CHM 1020	**(NSI) General Chemistry**	**CHEM 1050**
	PHY2130, 1	**(NSI) General Physics**	**PHYS 1180**
	PHY2140, 1	General Physics	PHYS 1190
Lower Division Technical Courses	ET 2140	Computer Graphics	**See (2) below
	ET 2160	Computer Applications for ET	ITCS 2530
	ET 2200	Engineering Materials	ATMT 1300 + 1310
	EET 2000	Electrical Principles	ELEC 1161 + 1171 or MECT 1141
	MCT/MIT	Lower Division Technical	**See (3) below
	MIT 3500	Manufacturing Process Lab	ATMT 1150 or 1160
Additional requirements Courses	ENG 3050	(IC) Intermediate Composition	BCOM 2050
	PHI 1120	**(CI) Cultural Inquiry**	**PHIL 2120**

(1) MCC students have the option to take MAT 3450 at Wayne (required MAT 3430 as prerequisite) or MATH 2770 at Macomb (required several prerequisites).
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(3) Any other technical courses or credits in *ATAM, ATAP, ATBC, ATDD, ATEM, ATFP, ATMT, ATPP, ATRA, ATSS, ATTR, ATWD, AUTO, CIVL, CLCT, CORE, DRAD, DRCG, ELEC, ENGR, MACA, MECT, PRDE, QUAL, RNEW, ROBO, SURV*

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*****

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