



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.wcccd.edu/students/pdfs/Catalog_2018-2019_FINAL_Web.pdf (See pages 33-35 of the course catalog)

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. Please remember that **no more than 64 credits from a two-year school will apply toward a Wayne State University degree**, so students may pick and choose which course they would like to transfer over.

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)	Cr	WCCCD Equivalent Courses
Math & Science	MAT 1800 (QE) Elementary Functions	4	*MATH 155+156
	MAT 3430 Appl Differential & Integral Calculus	4	*MATH 171
	CHM 1020 (NSI) General Chemistry	4	CHM 105
	PHY 2130,1 (NSI) Physics for Life Science I + Lab	5	PHYS 235
Business & Management	ECO 2020 (SI) Principles of Macroeconomics	4	ECON 101 or 102
	PHI 1120 (CI) Professional Ethics	3	***PHIL 221
	Business Management Electives	6	** See (1) below
Lower Div Tech Transfer	ET 2140 Introduction 2D & 3D CAD	3	CAD 101
	Soils & Foundations	3	** See (2) below
	Applied Building Construction	3	** See (2) below
	Lower Division Technical Electives	18	** See (3) below
Additional requirements	ENG 3050 (IC) Intermediate Composition	3	ENG 134

- (1) Most courses at WCCC that are under the subjects of ACC/BUS would fulfill that category.
- (2) Not available at WCCC. Please consult with the Engineering Technology advisor.
- (3) Most courses at WCCC that are under the subjects of AUT/CAD/CIS/CNC/CT/DRT/EE/MHT/RET/WLT would fulfill that category.

Bachelor of Science in Computer Technology (BS-CT)

	WSU Course (BS-CM Curriculum)		Cr	WCCCD Equivalent Courses
Math & Science	MAT 1800	(QE) Elementary Functions	4	*MATH 155+156
	MAT 3430	Appl Differential & Integral Calculus	4	*MATH 171
		(NSI) Natural Science Inquiry	6	** See (1) below
		(NSI) Natural Science Inquiry Lab	1	** See (1) below
Lower Division Technical Courses	CSC 1100.1	Problem Solving & Programming	4	CIS 207 or 209
	EET 2100	Principle of Digital Design	3	CT 203
	EET 2720	Microprocessor Fundamentals	3	CT 205
	EET/CSC	Lower Division Technical	25	** See (2) below
	EET/CSC	Upper Division Tech Elective	6	CIS 247
Additional requirements	ENG 3050	(IC) Intermediate Composition	3	ENG 134
	PHI 1120	(CI) Cultural Inquiry	3	***PHIL 221

(1) CHEM 105 and PHYS 235 are recommended. Other courses that fulfill the (NSI) attribute plus a 1-credit lab are also allowed.

(2) Most courses at WCCC that are under the subjects of AUT/CAD/CIS/CNC/CT/DRT/EE/MHT/RET/WLT would fulfill that category.

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

	WSU Course (BS-CM Curriculum)		Cr	WCCCD Equivalent Courses
Math & Science	MAT 1800	(QE) Elementary Functions	4	*MATH 155+156
	MAT 3430	Appl Differential & Integral Calculus	4	*MATH 171
	MAT 3450	Appl Calculus & Diff Equations	4	** See (1) below
	CHM 1020	(NSI) General Chemistry	4	CHM 105
	PHY 2130,1	(NSI) General Physics	5	PHY 235
	PHY 2140,1	General Physics	5	PHY 245
Lower Division Technical Courses	E T 2160	Computer Applications for ET	2	CIS 207 or 209
	EET 2000	Electrical Principles	3	EE 101+ 102
	EET 2100	Principle of Digital Design	3	CT 203
	EET 2720	Microprocessor Fundamentals	3	CT 205
	EET	Lower Division Technical	21	** See (2) below
Additional requirements	ENG 3050	(IC) Intermediate Composition	3	ENG 134
	PHI 1120	(CI) Cultural Inquiry	3	*** PHIL 221

(1) Students have the option to take MAT3450 (required MAT3430 as prerequisite) at Wayne or MAT273 (required several prerequisites) at WCCC.

(2) Most courses at WCCC that are under the subjects of AUT/CAD/CIS/CNC/CT/DRT/EE/MHT/RET/WLT would fulfill that category.

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

	WSU Course (BS-CM Curriculum)	Cr	WCCCD Equivalent Courses
Math & Science	MAT 1800 (QE) Elementary Functions	4	*MATH 155+156
	MAT 3430 Appl Differential & Integral Calculus	4	*MATH 171
	MAT 3450 Appl Calculus & Diff Equations	4	** See (1) below
	CHM 1020 (NSI) General Chemistry	4	CHM 105
	PHY 2130,1 (NSI) General Physics	5	PHY 235
	PHY2140,1 General Physics	5	PHY 245
Lower Division Technical Courses	E T 2140 Computer Graphics	3	CAD 101
	E T 2160 Computer Applications for ET	2	CIS 207 or 209
	EET 2000 Electrical Principles	3	EE 101+102
	EET 2100 Principle of Digital Design	3	CT 203
	EET 2720 Microprocessor Fundamentals	3	CT 205
EET or MCT Lower Division Technical	18	** See above	
Additional requirements	ENG 3050 (IC) Intermediate Composition	3	ENG 134
	PHI 1120 (CI) Cultural Inquiry	3	***PHIL 221
<p>(1) MCC students have the option to take MAT3450 at Wayne (required MAT3430 as prerequisite) or MAT273 at WCCC (required several prerequisites).</p> <p>(2) Most courses at WCCC that are under the subjects of AUT/CAD/CIS/CNC/CT/DRT/EE/MHT/RET/WLT would fulfill that category.</p>			

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

	WSU Course (BS-CM Curriculum)	Cr	WCCCD Equivalent Courses
Math & Science	MAT 1800 (QE) Elementary Functions	4	*MATH 155+156
	MAT 3430 Appl Differential & Integral Calculus	4	*MATH 171
	MAT 3450 Appl Calculus & Diff Equations	4	** See (1) below
	CHM 1020 (NSI) General Chemistry	4	CHM 105
	PHY 2130,1 (NSI) General Physics	5	PHY 235
	PHY 2140,1 General Physics and Lab	5	PHY 245
Lower Division Technical Courses	E T 2140 Computer Graphics	3	CAD 101
	E T 2160 Computer Applications for ET	2	CIS 207 or 209
	E T 2200 Engineering Materials	3	MAN 120
	EET 2000 Electrical Principles	3	EE 101+102
	MCT/MIT Lower Division Technical	21	** See above
Additional Requirements	ENG 3050 (IC) Intermediate Composition	3	ENG 134
	PHI 1120 (CI) Cultural Inquiry	3	***PHIL 221
<p>(1) MCC students have the option to take MAT3450 at Wayne (required MAT3430 as prerequisite) or MAT273 at WCCC (required several prerequisites).</p> <p>(2) Most courses at WCCC that are under the subjects of AUT/CAD/CIS/CNC/CT/DRT/EE/MHT/RET/WLT would fulfill that category.</p>			

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

06/28//2019 AJEO