Transfer Plan for Oakland Community College
Engineering Technology—B.S. Degree
College of Engineering
engineering.wayne.edu (313) 577-2424

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://catalog.oaklandcc.edu/graduation-requirements/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. 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)		OCC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	***MAT 1630 or MAT1540+1560**
	MAT 3430	**Appl Differential & Integral Calculus**	***MAT 1730**
	CHM 1020	**(NSI) General Chemistry**	**CHE 1000**
	PHY 2130,1	**(NSI) Physics for Life Science + Lab**	**PHY 1610**
Business & Management	**ECO 2020**	**(SI) Principles of Economics**	**ECO 2610**
	PHI 1120	**(CI) Professional Ethics**	****PHI 1610**
		Business Management Elective	**See (1)
Lower Div Tech Transfer		Introduction 2D & 3D CAD	CAD 1101
		Soils and Foundations	**See (2) below
		Applied Building Construction	CMN 1200
		Lower Division Technical Electives	**See (3) below
Additional requirements			ENG 2200
	ENG 3050	(IC) Intermediate Composition	
(1) Six (6) credit-hours are required. Most *ACC/BUS* classes from OCC would fulfill this category.			
(2) Not available at OCC. Please consult with the Engineering Technology advisor.			
(3) Most technical courses or credits under *ATM, AUT, APP, CAD, CIS, **CMN**, EGR, HVA, MCT, MEC, ROB, TED, WEL.*			

Bachelor of Science in Computer Technology (BS-CT)

	WSU Course (BS-CM Curriculum)		OCC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	***MAT 1630 or MAT1540+1560**
	MAT 3430	**Appl Differential & Integral Calculus**	***MAT 1730**
		(NSI) Natural Science Inquiry	**See (1) below
		(NSI) Natural Science Inquiry Lab	**See (1) below
Lower Division Technical Courses	EET 2100	Principle of Digital Design	EEC 1060
	CSC 1100, 1	Problm Solving & Programming + Lab	CIS 1500
	CSC 2110,1	Computer Science I + Lab	CIS 2252 or 2253
	EET or CSC	Lower Division Technical	**See (2) below
	CSC	Upper Division Tech Elective	**See (3) below
Additional requirements	ENG 3050	(IC) Intermediate Writing	ENG 2200
	PHI 1120	**(CI) Cultural Inquiry**	*****PHI 1610**

(1) *CHE1000, CHE1510, GSC1530, GSC1580, PHY1030, PHY1540, PHY1610, PHY2400*, with at least one lab session.

(2) Most technical courses or credits under *ATM, AUT, APP, CAD,* ***CIS****, EGR, HVA, MCT, MEC, ROB, TED, WEL.*

(3) One of the following: *CIS 1200, 1512, 1550, 1620, 2111, 2515, 2717, 2830, or 2960*.

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

	WSU Course (BS-CM Curriculum)		OCC Equivalent Courses
Math & Science	ET 2160	Computer Applications for ET	CIS 1500
	MAT 1800	**(QE) Elementary Functions**	***MAT 1630 or MAT1540+1560**
	MAT 3430	**Appl Differential & Integral Calculus**	***MAT 1730**
	MAT 3450	**Appl Calculus & Diff Equations**	***MAT 2810**
	CHM 1020	**(NSI) General Chemistry**	**CHE 1000**
	PHY 2130,1	**(NSI) General Physics I + Lab**	**PHY 1610**
	PHY 2140,1	General Physics II + Lab	PHY 1620
Lower Division Technical Courses	EET 2000	Electrical Principles	EEC 1020 + 1040
	EET 2100	Principle of Digital Design	EEC 1060
	EET	Lower Division Technical	**See (1) below
Additional requirements	ENG 3050	(IC) Intermediate Composition	ENG 2200
	PHI 1120	**(CI) Cultural Inquiry**	*****PHI 1610**

(1) Most technical courses or credits under *ATM, AUT, APP, CAD, CIS,* ***EEC, EGR****, HVA, MCT, MEC, ROB, TED, WEL.*

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

	WSU Course (BS-CM Curriculum)		OCC Equivalent Courses
Math & Science	E T 2160	Computer Applications for ET	CIS 1500
	MAT 1800	**(QE) Elementary Functions**	***MAT 1630 or MAT1540+1560**
	MAT 3430	**Appl Differential & Integral Calculus**	***MAT 1730**
	MAT 3450	**Appl Calculus & Diff Equations**	***MAT 2810**
	CHM 1020	**(NSI) General Chemistry**	**CHE 1000**
	PHY 2130,1	**(NSI) General Physics I + Lab**	**PHY 1610**
	PHY 2140,1	General Physics II + Lab	PHY 1620
Lower Division Technical Courses	E T 2140	Computer Graphics	CAD 1101
	EET 2000	Electrical Principles	EEC 1020 + 1040
	EET 2100	Principle of Digital Design	EEC 1060
	EET or MCT	Lower Division Technical	**See (1) below
	MIT 3500	Manufacturing Processes Lab	ATM 1120
Additional requirements	ENG 3050	(IC) Intermediate Composition	ENG 2200
	PHI1120	**(CI) Cultural Inquiry**	*****PHI 1610**
(1) Most technical courses or credits under ***ATM, AUT, APP, CAD**, CIS, **EEC, EGR, HVA, MCT, MEC, ROB, TED, WEL***.			

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

	WSU Course (BS-CM Curriculum)		OCC Equivalent Courses
Math & Science	MAT 1800	(QE) Elementary Functions	***MAT 1630 or MAT1540+1560**
	MAT 3430	Appl Differential & Integral Calculus	***MAT 1730**
	MAT 3450	Appl Calculus & Diff Equations	***MAT 2810**
	CHM 1020	(NSI) General Chemistry	**CHE 1000**
	PHY 2130,1 21212130,1	(NSI) General Physics and Lab	**PHY 1610**
	PHY 2140,1	General Physics and Lab	PHY 1620
Lower Division Technical Courses	E T 2140	Computer Graphics	CAD 1101
	E T 2160	Computer Applications for ET	CIS 1500
	EET 2000	Electrical Principles	EEC 1020 + 1040
	MCT/MIT	Lower Division Technical	**See (1) below
	MIT 3500	Manufacturing Process Lab	ATM 1120
Additional requirements Courses	ENG 3050	(IC) Intermediate Composition	ENG 2200
	PHI 1120	**(CI) Cultural Inquiry**	*****PHI 1610**
(1) Most technical courses or credits under ***ATM, AUT, APP, CAD**, CIS, **EEC, EGR, HVA, MCT, MEC, ROB, TED, WEL.***			

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

06/11//2019 AJEO