Transfer Plan for Henry Ford 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: https://catalog.hfcc.edu/degrees/gen-ed

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 PH 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	HFC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	**4**	***MATH 175**
	MAT 3430	**Appl Differential & Integral Calculus**	**4**	***MATH 180**
	CHM 1020	**(NSI) General Chemistry**	**4**	**CHEM 131**
	PHY 2130,1	**(NSI) General Physics with Lab**	**5**	**PHYS 131**
Business & Management	**ECO 2020**	**(SI) Principles of Economics**	**4**	**BEC 151**
	PHI 1120	**(CI) Professional Ethics**	**3**	***PHIL 139**
		Business Management Electives	6	See (1) below
Lower Div Tech Transfer		Introduction 2D & 3D CAD	3	ACT 116
		Soils & Foundations	3	See (2) below
		Applied Building Construction	3	ACT 124
		Lower Division Technical Electives	18	**See (3) below
Additional Requirements	ENG 3050	(IC) Intermediate Composition	3	ENG 135

(1) Waived when earned the AAS Construction Management Program from HFC
(2) Please consult with the Engineering Technology advisor
(3) Any other technical courses or credits under the subject of ***ACT***, *AUTO, CIMMT, CIMTA, CIMWD, DRAF, ENGR, ENT, MFMT, MTT, PEFT, PLMB, REEN, TADV, TAEL, TAFD, TAFP, TAGD, TAIM, TAMA, TAMJ, TAMN, TAMT, TAPI, TAPP, TAPT, TASM*. Or follow the HFC AAS CM program course work.

Bachelor of Science in Computer Technology (BS-CT)

	WSU Course (BS-CM Curriculum)		Cr	HFC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	**4**	***MATH 175**
	MAT 3430	**Appl Differential & Integral Calculus**	**4**	***MATH 180**
		(NSI) Physical Science with 1-cr Lab	**7**	**See (1)**
Lower Division Technical Courses	CSC 1100.1	Problem Solving & Programming	4	CIS 170 OR CIS 230
	EET 2100	Principle of Digital Design	3	ELEC 115
	EET 2720	Microprocessor Fundamentals	3	ELEC 245
	EET/CSC	Lower Division Technical	25	**See (2) below
	E T 5870	Project Management or ET3870	3	CIS 272
	CSC 3750	Introduction to Web Technology	3	CIS 122
Additional Requirements	ENG 3050	(IC) Intermediate Composition	3	ENG 135
	PHI 1120	**(CI) Cultural Inquiry**	**3**	***PHIL 139**

(1) CHEM131, PHYS131, or other Natural Science courses including a lab.

(2) Most technical courses or credits under *CIS, CNT, ENGR, REEN, TAEL, ACT, AUTO, CIMMT, CIMTA, CIMWD, DRAF, ELEC, ENT, MFMT, MTT, PEFT, PLMB, TADV, TAFD, TAFP, TAGD, TAIM, TAMA, TAMJ, TAMN, TAMT, TAPI, TAPP, TAPT, TASM.*

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

	WSU Course (BS-CM Curriculum)		Cr	HFC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	**4**	***MATH 175**
	MAT 3430	**Appl Differential & Integral Calculus**	**4**	***MATH 180**
	MAT 3450	**Appl Calculus & Diff Equations**	**4**	***MATH 288**
	CHM 1020	**(NSI) General Chemistry**	**4**	**CHEM 131**
	PHY 2130,1	**(NSI) General Physics and Lab**	**5**	**PHYS 131**
	PHY 2140,1	(NSI) General Physics and Lab	5	PHYS 132
Lower Division Technical Courses	E T 2160	Computer Applications for ET	2	CIS 129 or CIS170
	EET 2000	Electrical Principles	3	ELEC103
	EET 2100	Principle of Digital Design	3	ELEC 115
	EET 2720	Microprocessor Fundamentals	3	ELEC 245
	EET	Lower Division Technical	21	**See (1) below
Additional Requirements	ENG 3050	(IC) Intermediate Composition	3	ENG 135
	PHI1120	**(CI) Cultural Inquiry**	**3**	***PHIL 139**

(1) Most technical courses or credits under ***CIMEL, CIMHP, ELEC, ENGR, REEN, TAEL,*** *ACT, AUTO, CIMMT, CIMTA, CIMWD, DRAF, ENT, MFMT, MTT, PEFT, PLMB, TADV, TAFD, TAFP, TAGD, TAIM, TAMA, TAMJ, TAMN, TAMT, TAPI, TAPP, TAPT, TASM.*

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

	WSU Course (BS-CM Curriculum)		Cr	HFC Equivalent Courses
Math & Science	ET 2160	Computer Applications for ET	2	CIS 129 or CIS 170
	MAT 1800	**(QE) Elementary Functions**	**4**	***MATH 175**
	MAT 3430	**Appl Differential & Integral Calculus**	**4**	***MATH 180**
	MAT 3450	**Appl Calculus & Diff Equations**	**4**	***MATH 288**
	CHM 1020	**(NSI) General Chemistry**	**4**	**CHEM 131**
	PHY 2130,1	**(NSI) General Physics and Lab**	**5**	**PHYS 131**
	PHY 2140,1	(NSI) General Physics and Lab	5	PHYS 132
Lower Division Technical Courses	E T 2140	Computer Graphics	3	**See (1) below
	EET 2000	Electrical Principles	3	ELEC 103
	EET 2100	Principle of Digital Design	3	ELEC 115
	EET 2720	Microprocessor Fundamentals	3	ELEC 245
	EET or MCT	Lower Division Technical	18	**See (2) below
	MIT 3500	Manufacturing Processes Lab	1	MTT 100
Additional Requirements	ENG 3050	(IC) Intermediate Composition	3	ENG 135
	PHI 1120	**(CI) Cultural Inquiry**	**3**	***PHIL 139**

(1) Any one of: DRAF110, DRAF120, DRAF123, or DRAF260.

(2) Most technical courses or credits under *ACT, AUTO, CIMMT, CIMTA, CIMWD, DRAF, ELEC, ENGR, ENT, MFMT, MTT, PEFT, PLMB, REEN, TADV, TAEL, TAFD, TAFP, TAGD, TAIM, TAMA, TAMJ, TAMN, TAMT, TAPI, TAPP, TAPT, TASM.*

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

	WSU Course (**BS-CM Curriculum**)		Cr	HFC Equivalent Courses
Math & Science	**MAT 1800**	**(QE) Elementary Functions**	**4**	***MATH 175**
	MAT 3430	**Appl Differential & Integral Calculus**	**4**	***MATH 180**
	MAT 3450	**Appl Calculus & Diff Equations**	**4**	***MATH 288**
	CHM 1020	**(NSI) General Chemistry**	**4**	**CHEM 131**
	PHY 2130,1	**(NSI) General Physics and Lab**	**5**	**PHYS 131**
	PHY 2140,1	(NSI) General Physics and Lab	5	PHYS 132
Lower Division Technical Courses	E T 2140	Computer Graphics	3	**See (1) below
	E T 2160	Computer Applications for ET	2	CIS 129 or CIS 170
	E T 2200	Engineering Materials	3	ENGR 201
	EET 2000	Electrical Principles	3	ELEC 103
	MCT/MIT	Lower Division Technical	21	**See (2) below
	MIT 3500	Manufacturing Process Lab	1	MTT 100
Additional Requirements	ENG 3050	(IC) Intermediate Composition	3	ENG 135
	PHI 1120	**(CI) Cultural Inquiry**	**3**	***PHIL 139**

(1) Any one of: *DRAF110, DRAF120, DRAF123, DRAF260.*

(2) Most technical courses or credits under *AUTO, CIMHP, CIMMT, CIMTA, CIMWD, DRAF, ELEC, ENGR, ENT, MFMT, MTT, PEFT, PLMB, REEN, TADV, TAEL, TAFD, TAFP, TAGD, TAIM, TAMA, TAMJ, TAMN, TAMT, TAPI, TAPP, TAPT, TASM.*

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

08/27/2021 MJ