



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.

**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	<b>MAT 1800 (QE) Elementary Functions</b>	<b>4</b>	<b>*MATH 175</b>
	<b>MAT 3430 Appl Differential &amp; Integral Calculus</b>	<b>4</b>	<b>*MATH 180</b>
	<b>CHM 1020 (NSI) General Chemistry</b>	<b>4</b>	<b>CHEM 131</b>
	<b>PHY 2130,1 (NSI) General Physics with Lab</b>	<b>5</b>	<b>PHYS 131</b>
Business & Management	<b>ECO 2020 (SI) Principles of Economics</b>	<b>4</b>	<b>BEC 151</b>
	<b>PHI 1120 (CI) Professional Ethics</b>	<b>3</b>	<b>***PHIL 139</b>
	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	<b>MAT 1800 (QE) Elementary Functions</b>	<b>4</b>	<b>*MATH 175</b>
	<b>MAT 3430 Appl Differential &amp; Integral Calculus</b>	<b>4</b>	<b>*MATH 180</b>
	<b>(NSI) Physical Science with 1-cr Lab</b>	<b>7</b>	<b>See (1)</b>
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
	<b>PHI 1120 (CI) Cultural Inquiry</b>	<b>3</b>	<b>***PHIL 139</b>
<p>(1) CHEM131, PHYS131, or other Natural Science courses including a lab.</p> <p>(2) Most technical courses or credits under <i>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</i>.</p>			

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

	WSU Course (BS-CM Curriculum)	Cr	HFC Equivalent Courses
Math & Science	<b>MAT 1800 (QE) Elementary Functions</b>	<b>4</b>	<b>*MATH 175</b>
	<b>MAT 3430 Appl Differential &amp; Integral Calculus</b>	<b>4</b>	<b>*MATH 180</b>
	<b>MAT 3450 Appl Calculus &amp; Diff Equations</b>	<b>4</b>	<b>*MATH 288</b>
	<b>CHM 1020 (NSI) General Chemistry</b>	<b>4</b>	<b>CHEM 131</b>
	<b>PHY 2130,1 (NSI) General Physics and Lab</b>	<b>5</b>	<b>PHYS 131</b>
	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
	<b>PHI1120 (CI) Cultural Inquiry</b>	<b>3</b>	<b>***PHIL 139</b>
<p>(1) Most technical courses or credits under <i>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</i>.</p>			

## 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
	<b>MAT 1800 (QE) Elementary Functions</b>	<b>4</b>	<b>*MATH 175</b>
	<b>MAT 3430 Appl Differential &amp; Integral Calculus</b>	<b>4</b>	<b>*MATH 180</b>
	<b>MAT 3450 Appl Calculus &amp; Diff Equations</b>	<b>4</b>	<b>*MATH 288</b>
	<b>CHM 1020 (NSI) General Chemistry</b>	<b>4</b>	<b>CHEM 131</b>
	<b>PHY 2130,1 (NSI) General Physics and Lab</b>	<b>5</b>	<b>PHYS 131</b>
	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
	<b>PHI 1120 (CI) Cultural Inquiry</b>	<b>3</b>	<b>***PHIL 139</b>
<p>(1) Any one of: DRAF110, DRAF120, DRAF123, or DRAF260.</p> <p>(2) Most technical courses or credits under <i>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.</i></p>			

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

	WSU Course (BS-CM Curriculum)	Cr	HFC Equivalent Courses
Math & Science	<b>MAT 1800 (QE) Elementary Functions</b>	<b>4</b>	<b>*MATH 175</b>
	<b>MAT 3430 Appl Differential &amp; Integral Calculus</b>	<b>4</b>	<b>*MATH 180</b>
	<b>MAT 3450 Appl Calculus &amp; Diff Equations</b>	<b>4</b>	<b>*MATH 288</b>
	<b>CHM 1020 (NSI) General Chemistry</b>	<b>4</b>	<b>CHEM 131</b>
	<b>PHY 2130,1 (NSI) General Physics and Lab</b>	<b>5</b>	<b>PHYS 131</b>
	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
	<b>PHI 1120 (CI) Cultural Inquiry</b>	<b>3</b>	<b>***PHIL 139</b>
<p>(1) Any one of: DRAF110, DRAF120, DRAF123, DRAF260.</p> <p>(2) Most technical courses or credits under <i>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.</i></p>			

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