

Articulation Agreement
Between
Wayne State University & Mott Community College
Linking Mott's
Technology Division
With Wayne State's
Division of Engineering Technology

This agreement is made between Wayne State University (*WSU*) and Mott Community College (*MCC*).

Wayne State University and Mott Community College wish and intend by this Agreement to set forth the terms and conditions of engaging in an educational program, to facilitate the transfer of students who earn an Associate of Applied Science Degree (AAS) or enroll in MCC in the Electronic and Electrical Technology Program (AAS-EET), Mechanical Operations Technology (AAS-MOT), Computer Occupations Technology (AAS-COT) or CAD and Design Program (AAS-CADD) to complete a Bachelor of Science Degree in Electric/Electronic Engineering Technology (BS-EET), Electric Transportation Technology (BS-ETT), Mechanical Engineering Technology (BS-MCT) or Computer Technology (BS-CT).

Article I
Agreement on Program Integrity

WSU and MCC will maintain the integrity of their separate programs and enter into this agreement as equal and cooperating partner institutions.

Article II
Agreement on Principle

This agreement between *WSU* and *MCC* is intended to provide a smooth and seamless curriculum transition for Mott students that transfer to Wayne State to earn a bachelor degree from the Division of Engineering Technology. The agreement is designed for students who follow a prescribed plan of study leading to an Associate of Applied Science Degree. The credits transferred from the Associate Degree Program, as outlined in the appendices to this document, will be included in the total credit hours required for the *WSU* baccalaureate degree. All other standard admission, curriculum, and graduation requirements of *MCC* and *WSU* must also be met.

Article III
Agreement of Program Articulation

MCC and WSU agree that any student who has earned the aforementioned Associate of Applied Science degree in any of the approved programs may transfer the credits from their program to the College of Engineering at WSU toward the BS-EET, BS-ETT, BS-MCT or BS-CT, as outlined in the attached appendices.

The agreement specifically allows the transfer of up to eighty-six (86) credits (depending upon bachelor degree selected) from *MCC* to *WSU*. This is beyond the currently stipulated sixty-four (64) credits, and is contingent upon the approval of the *WSU* Board of Governors.

The Bachelor's degree requirements for students who follow this articulation agreement are outlined in Attachment A.

Article IV
Agreement on Student Support

WSU and *MCC* agree to track the progress and success of articulation participants. Responsibility for this tracking rests with the College of Engineering and Division of Engineering Technology at Wayne State. A mechanism will be developed to track and report on Mott Students' use of this Articulation.

Article V
Agreement on Communication

MCC and *WSU* agree to cooperate in communication with each other and with common and respective publics concerning the established relationships between the two institutions. Communication will include the development of various kinds of publications to inform those who might benefit from the opportunities provided by this articulation agreement. The appropriate faculty and staff in both institutions will share the information in this agreement with interested and qualified students. Both institutions will provide academic counseling to students and prospective students. Joint efforts in marketing the program and student recruiting will be pursued.

WSU and *MCC* further agree to communicate annually concerning curriculum changes that may affect the agreed upon program relationship. Responsibility for communication related to this agreement will rest with the individuals appointed under Article VI.

Article VI
Maintenance and Review Body Procedures

Each institution will appoint one or more faculty administrators to act as agents for the implementation of this agreement, and to communicate changes to respective faculty members, advisors, and others to whom the information is pertinent. Responsibility for the oversight of this agreement rests with the Office of Academic Operations at *MCC* and with the Chair of the Division of Engineering Technology of the College of Engineering at *WSU*.

Article VII
Agreement Regarding Independent Relationship

In the performance of their respective duties and obligations under this Agreement, each party is an independent contractor and neither is the agent, employee, or servant of the other, and each is responsible only for its own conduct. Each institution is solely responsible for the development and design of its own curriculum. Changes on the part of either party will/may necessitate review of this document.

Article VIII
Agreement not to Discriminate

Each party covenants and agrees that it does not discriminate on the basis of race, creed, color, age, sex, or national origin and it complies with the Americans with Disabilities Act of 1990, and that it does not discriminate on the basis of “physical or mental handicap” except where there exists a bonafide academic qualification.

Each party shall be separately responsible for compliance with all federal and state laws, including nondiscrimination laws and all applicable sections of the Michigan Handicapper’s Civil Rights Act. Illegal discrimination by either party may be considered a material breach of this Agreement.

Article IX
Entire Agreement

This Agreement constitutes the entire agreement between the parties, and all prior discussions, agreements, and understandings, whether verbal or in writing, are hereby merged into this Agreement.

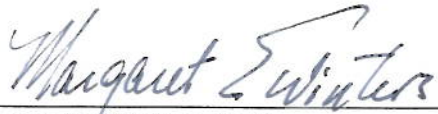
Article X
Amendment/Modification/ or Termination Provision

MCC and *WSU* agree to the terms of this Agreement. No amendment or modification to this Agreement, including any modification or amendment of this paragraph, shall be effective unless the same is in writing and signed by all parties or their successors.

This cooperative arrangement will be in effect immediately upon signature and will remain in effect for a period of 3 years, reviewed annually and re-affirmed every 3 years. Renewal will be for three years unless either party notifies the other in writing by December 31 of the year preceding the last year of the agreement of their intention to renegotiate or of non-renewal of this agreement.

This Agreement is effective immediately upon program approval by *WSU* and *MCC* and shall remain in effect unless terminated by either party providing six months advance written notice. In the event that this Agreement must be terminated, all students currently enrolled in the program shall be allowed to complete the program as described.

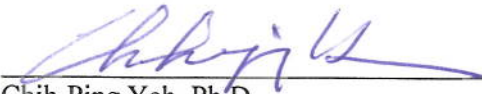
Signatories for Wayne State University:



Margaret E. Winters, Ph.D.
Provost and Senior V.P. for Academic Affairs



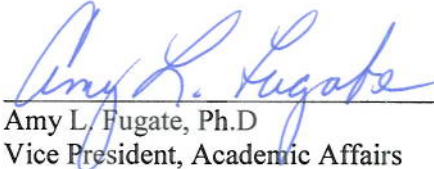
Farshad Fotouhi, Ph.D.
Dean, College of Engineering



Chih-Ping Yeh, Ph.D.
Chair, Division of Engineering Technology

Date: 6/30/14

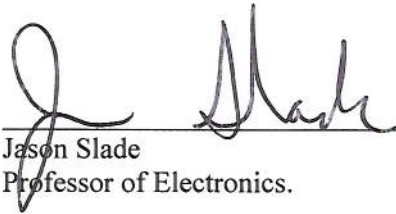
Signatories for Mott Community College:



Amy L. Fugate, Ph.D.
Vice President, Academic Affairs



Clark Harris, Ph.D.
Dean, Technology Division



Jason Slade
Professor of Electronics.

Date: 6/30/14

FORM APPROVED
AG
01MAY2014
OFFICE OF THE
GENERAL COUNSEL

ATTACHMENT A

Transfer from Mott Community College's Associate of Applied Science in Electronics & Electrical Technology (AAS-EET) to Wayne State University's Bachelor of Science in Electrical/Electronic Engineering Technology (BS-EET)

1. 48 credits from MOTT's AAS-EET program can be applied toward WSU's BS in Electrical/Electronic Engineering Technology (BS-EET):

MOTT's AAS-EET Curriculum	WSU's BS-EET	
Course	Course	Credit
<i>Occupational Specialty Courses</i>		
ELEC-131 Residential Electrical Wiring	EET 1XXX* (Lower Division Tech)	3
ELEC-133 Electrical Circuits	EET 1XXX* (Lower Division Tech)	3
ELEC-135 Electronic Components & Appls	EET 2000* Electrical Principles	3
ELEC-139 Logical Control Systems	EET 2100* Principles of Digital Design	3
ELEC-150 National Electrical Cod, <u>or</u> RFID-180 Radio Frequency ID Fundamentals	ET 1XXX* (Lower Division Tech)	3
ELEC-231 Fundamentals of Labview	EET 1XXX* (Lower Division Tech)	3
ELEC-233 Embedded Controllers	EET 2720* Microprocessor Fundmntls	3
ELEC-235 Instrumentation and Industrial Electronics	EET 1XXX* (Lower Division Tech)	3
<i>Related Requirement Courses - Select one option</i>		
MDES-101 Robotics I	EET 1XXX* (Lower Division Tech)	3
MDES-102 Robotics II	EET 1XXX* (Lower Division Tech)	3
COMS-171 Introduction to C++	(CL) ET 2160 Computer Programming & Applications for Eng. Tech.	2
<i>General Education Requirement</i>		
ENGL-101 English Composition I	(BC) ENG 1020 Intro to College Writing	3
ENGL-102 English Composition II	(IC) ENG 2XXX Intermediate Writing	3
MATH-130 College Algebra	(MC) MAT1800 Elementary Functions	4
MATH-140 Trigonometry		
Social Science: ANTH-211, or ECON-219 or 221 or 222, or GEOG-142, or SOCY-191 or 292 or 296	(SS) Social Science	3
Suggested Additional General Education Credits to Fulfill General Education Requirement: PSCN-171	(AI) American Society & Institutions	3
Total:		48

* Transferred as Lower Division Technical course (Maximum 30 credits)

** Transferred as Upper Division Elective (optional)

2. Additional transfer credits listed below can be applied toward the BS-EET degree:

MOTT Courses	WSU Courses & Credits	
Course	Course	Credit
PHYS-281 General College Physics I	(LP) PHY 2130+31 General Physics	4
PHYS-282 General College Physics II	(LP) PHY 2140+41 General Physics	4
CHEM-111 Fundmntls of Inorganic Chemistry	(LP) CHM1020 General Chemistry	4
COMM-131 Fundmntls of Public Speaking	(OC) COM1010 Oral Communication	3
MATH-180 Analytic Geometry & Calculus II	MAT3430/ET3430 Applied Differential & Integral Calculus	4

ANTH-212, or BIOL-107 or 111 or 156, or AHLT-112, or PSYC-281	(LS) Life Science	3
ANTH-213, or HIST-113 or 151 or 152	(HS) Historical Study	3
ENGL-221 or 231 or 232 or 240 or 242, or PHIL-101 or 165 or 295	(PL) Philosophy & Letters	3
ART-111 or 112 or 116 or 214, or FILM-181, or ENGL-271, or MUS-180 or 181 or 182 or 183 or 184, or THTR-110	(VP) Visual & Performing Arts	3
ANTH-200, or FREN-251 or 252, or GERM-211, or HIST-259, or JAPA-211, or RUSN-211, or SPAN-281	(FC) Foreign Culture	3
Total:		34

3. At least 46 credits must be taken at Wayne State University to complete the 128 credits required for the BS-EET curriculum listed below:

	Course Title	Cr.
Mathematics and Science	ET 2160 Computer Programming & Applications for ET	2
	MAT 1800 (MC) Elementary Functions	4
	MAT 3430 Applied Differential & Integral Calculus	4
	MAT 3450 Applied Calculus & Differential Equations	4
	CHM 1020 (PS) General Chemistry	4
	PHY 2130,1 (LP) General Physics	4
	PHY 2140,1 (LP) General Physics	4
	(LS) Life Science	3
Upper Division Technical Courses	ET 3850 Reliability & Engineering Statistics	3
	ET 3870 Engineering Economic Analysis	3
	ET 5870 Engineering Project Management	3
	EET 3100 Advanced Digital Design	3
	EET 3150 Network Analysis	4
	EET 3180 Analog Electronics	4
	EET 3300 Applied Signal Processing	3
	EET 3500 Electrical Machines & Power Systems	3
	EET 3700 Micro & Programmable Controllers	3
	EET 4200 Control Systems	4
	Upper Div Tech Elect	3
	Upper Div Tech Elect	3
	E T 4999 (WI) Senior Project	3
Lower Division Technical Courses	EET 2000 Electrical Principles	3
	EET 2100 Principals of Digital Design	3
	EET 2720 Microprocessor Fundamentals	3
	Other Related Lower Division Technical	21
Communication	(BC) Basic Composition	3
	(IC) Intermediate Writing	3
	(OC) Oral Communication	3
General Education: Humanity and Social Science	(CT) Critical Thinking Exam	0
	(HS) Historical Studies	3
	(AI) American Society & Institutions	3
	(SS) Social Science	3
	(FC) Foreign Culture	3
	(VP) Visual & Performing Arts	3
(PL) Philosophy & Letters	3	
Total:		128

Transfer from Mott Community College's Associate of Applied Science in Electronics & Electrical Technology (AAS-EET) to Wayne State University's Bachelor of Science in Electric Transportation Technology (BS-ETT)

1. 48 credits from MOTT's AAS-EET program can be applied toward WSU's BS in Electric Transportation Technology (BS-ETT):

MOTT's AAS-EET Curriculum	WSU's BS-ETT	
Course	Course	Credit
Occupational Specialty Courses		
ELEC-131 Residential Electrical Wiring	EET 1XXX* (Lower Division Tech)	3
ELEC-133 Electrical Circuits	EET 1XXX* (Lower Division Tech)	3
ELEC-135 Electronic Components & Appls	EET 2000* Electrical Principles	3
ELEC-139 Logical Control Systems	EET 2100* Principles of Digital Design	3
ELEC-150 National Electrical Cod, <u>or</u> RFID-180 Radio Frequency ID Fundamentals	ET 1XXX* (Lower Division Tech)	3
ELEC-231 Fundamentals of Labview	EET 1XXX* (Lower Division Tech)	3
ELEC-233 Embedded Controllers	EET 2720* Microprocessor Fundmntls	3
ELEC-235 Instrumentation and Industrial Electronics	EET 1XXX* (Lower Division Tech)	3
Related Requirement Courses - Select one option		
MDES-101 Robotics I	EET 1XXX* (Lower Division Tech)	3
MDES-102 Robotics II	EET 1XXX* (Lower Division Tech)	3
COMS-171 Introduction to C++	(CL) ET 2160 Computer Programming & Applications for Eng. Tech.	2
General Education Requirement		
ENGL-101 English Composition I	(BC) ENG 1020 Intro to College Writing	3
ENGL-102 English Composition II	(IC) ENG 2XXX Intermediate Writing	3
MATH-130 College Algebra	(MC) MAT1800 Elementary Functions	4
MATH-140 Trigonometry		
Social Science: ANTH-211, or ECON-219 or 221 or 222, or GEOG-142, or SOCY-191 or 292 or 296	(SS) Social Science	3
Suggested Additional General Education Credits to Fulfill General Education Requirement: PSCN-171	(AI) American Society & Institutions	3
	Total:	48

* Transferred as Lower Division Technical course (Maximum 30 credits)

** Transferred as Upper Division Elective (optional)

2. Additional transfer credits listed below can be applied toward the BS-ETT degree:

MOTT Courses	WSU Courses & Credits	
Course	Course	Credit
PHYS-281 General College Physics I	(LP) PHY 2130+31 General Physics	4
PHYS-282 General College Physics II	(LP) PHY 2140+41 General Physics	4
CHEM-111 Fundmntls of Inorganic Chemistry	(LP) CHM1020 General Chemistry	4
COMM-131 Fundmntls of Public Speaking	(OC) COM1010 Oral Communication	3
MATH-180 Analytic Geometry & Calculus II	MAT3430/ET3430 Applied Differential & Integral Calculus	4
ANTH-212, or BIOL-107 or 111 or 156, or AHLT-112, or PSYC-281	(LS) Life Science	3
ANTH-213, or HIST-113 or 151 or 152	(HS) Historical Study	3

ENGL-221 or 231 or 232 or 240 or 242, or PHIL-101 or 165 or 295	(PL) Philosophy & Letters	3
ART-111 or 112 or 116 or 214, or FILM-181, or ENGL-271, or MUS-180 or 181 or 182 or 183 or 184, or THTR-110	(VP) Visual & Performing Arts	3
ANTH-200, or FREN-251 or 252, or GERM-211, or HIST-259, or JAPA-211, or RUSN-211, or SPAN-281	(FC) Foreign Culture	3
Total:		34

3. At least 46 credits must be taken at Wayne State University to complete the 128 credits required for the BS-ETT curriculum listed below:

	Course Title	Cr.
Mathematics and Science	ET 2160 Computer Programming & Applications for ET	2
	MAT 1800 (MC) Elementary Functions	4
	MAT 3430 Applied Differential & Integral Calculus	4
	MAT 3450 Applied Calculus & Differential Equations	4
	CHM 1020 (PS) General Chemistry	4
	PHY 2130,1 (LP) General Physics	4
	PHY 2140,1 (LP) General Physics	4
	(LS) Life Science	3
Upper Division Technical Courses	E T 5870 Engineering Project Management	3
	EET 3100 Advanced Digital Design	3
	EET 3150 Network Analysis	4
	EET 3720 Micro & Programmable Controllers	3
	ETT 3190 Fundamental of Automotive Electric and Electronic Systems	3
	ETT 3500 Electric Machine Design & Application for Automotive	3
	ETT 4150 Fundamental of Hybrid & Electric Vehicles	3
	ETT 4200 Control Systems for Electric & Hybrid Electric Vehicle	4
	ETT 4310 Energy Store Systems for Electric and Hybrid Electric Vehicles	3
	ETT 4650 Power Electronic & Charging Systems	3
	Upper Div Tech Elect	3
	Upper Div Tech Elect	4
E T 4999 (WI) Senior Project	3	
Lower Division Technical Courses	EET 2000 Electrical Principles	3
	EET 2100 Principals of Digital Design	3
	EET 2720 Microprocessor Fundamentals	3
	Other Related Lower Division Technical	21
Communication	(BC) Basic Composition	3
	ENG 3050 (IC) Intermediate Writing	3
	ENG 3060 (OC) Oral Communication	3
General Education: Humanity and Social Science	(CT) Critical Thinking Exam	0
	(HS) Historical Studies	3
	(AI) American Society & Institutions	3
	(SS) Social Science	3
	(FC) Foreign Culture	3
	(VP) Visual & Performing Arts	3
	(PL) Philosophy & Letters	3
Total:		128

Transfer from Mott Community College's Associate of Applied Science in CAD & Design (AAS-CADD) to Wayne State University's Bachelor of Science in Mechanical Engineering Technology (BS-MCT)

1. 49 credits from MOTT's AAS-CADD program can be applied toward WSU's BS-MCT degree:

MOTT's AAS-CADD Curriculum	WSU's BS-MCT	
Course	Course	Credit
<i>Occupational Specialty Courses</i>		
CADD-100 Mechanical Blueprint Reading	MCT1XXX (Not required for BS-MCT)	0
CADD-110 Architectural Blueprint Reading	MCT1XXX (Not required for BS-MCT)	0
CADD-120 2D CADD Applications	ET 2140* Computer Graphics	3
CADD-130 Parametric Modeling Fundamentals	MCT 1XXX* (Lower Division Tech)	3
CADD-140 Mechanical Detailing Applications	MCT 1XXX* (Lower Division Tech)	3
CADD-150 Intro to Analysis, CAM & Sim. Tools	MCT 1XXX* (Lower Division Tech)	3
CADD-160 Fundamentals of Design	MCT 1XXX* (Lower Division Tech)	3
CADD-201 Unigraphics Basic Modeling & Drafting I	MCT 1XXX* (Lower Division Tech)	3
CADD-204 CADD Product Design Applications	MCT 1XXX* (Lower Division Tech)	3
CADD-203 Advanced Dimensioning & Geometric Dimensioning and Tolerancing	MIT 3XXX**	3
CADD-205 CADD Tool & Design Applications		
CADD-206 Product Data Management Processes	MCT 1XXX* (Lower Division Tech)	3
<i>Related Requirement Courses – Minimum 8 credits</i>		
ELEC-133 Electrical Circuit	EET 2000* Electrical Principles	3
MECH-150 Material Systems & Evaluation	ET 2200* Engineering Materials	3
MECH-144 Machining	MIT 3500 Manufacturing Processes Lab	1
<i>General Education Requirement (18 credits)</i>		
ENGL-101 English Composition I	(BC) ENG 1020 Intro to College Writing	3
ENGL-102 English Composition II	(IC) ENG 2XXX Intermediate Writing	3
MATH-130 College Algebra	(MC) MAT1800 Elementary Functions	4
MATH-140 Trigonometry		
Social Science: ANTH-211, or ECON-219 or 221 or 222, or GEOG-142, or SOCY-191 or 292 or 296	(SS) Social Science	3
<u>Suggested</u> Additional General Education Credits to Fulfill General Education Requirement: COMS-171 Introduction to C++	(CL) ET 2160 Computer Programming & Applications for Eng. Tech.	2
	Total:	49

* Transferred as Lower Division Technical course (Maximum 30 credits)

** Transferred as an Upper Division Elective course

2. Additional transfer credits listed below can be applied toward the BS-MCT degree:

MOTT Courses	WSU Courses & Credits	
Course	Course	Credit
PHYS-281 General College Physics I	(LP) PHY 2130+31 General Physics	4
PHYS-282 General College Physics II	(LP) PHY 2140+41 General Physics	4

CHEM-111 Fundmntls of Inorganic Chemistry	(LP) CHM1020 General Chemistry	4
MATH-180 Analytic Geometry & Calculus II	MAT3430/ET3430 Applied Differential & Integral Calculus	4
COMM-131 Fundmntls of Public Speaking	(OC) COM1010 Oral Communication	3
ANTH-212, or BIOL-107 or 111 or 156, or AHLT-112, or PSYC-281	(LS) Life Science	3
PSCN-171	(AI) American Society & Institutions	3
ANTH-213, or HIST-113 or 151 or 152	(HS) Historical Study	3
ENGL-221 or 231 or 232 or 240 or 242, or PHIL-101 or 165 or 295	(PL) Philosophy & Letters	3
ART-111 or 112 or 116 or 214, or FILM-181, or ENGL-271, or MUS-180 or 181 or 182 or 183 or 184, or THTR-110	(VP) Visual & Performing Arts	3
ANTH-200, or FREN-251 or 252, or GERM-211, or HIST-259, or JAPA-211, or RUSN-211, or SPAN-281	(FC) Foreign Culture	3
Total:		37

3. At least 42 credits must be taken at Wayne State University to complete the 128 credits required for the BS-MCT curriculum listed below:

	Course Title	Cr.
Mathematics and Science	ET 2160 Computer Programming & Applications for ET	2
	MAT 1800 (MC) Elementary Functions	4
	MAT 3430 Applied Differential & Integral Calculus	4
	MAT 3450 Applied Calculus & Differential Equations	4
	CHM 1020 (PS) General Chemistry	4
	PHY 2130,1 (LP) General Physics	4
	PHY 2140,1 (LP) General Physics	4
	(LS) Life Science	3
Upper Division Technical Courses (Select one track)	ET 3030 Statics	3
	ET 3050 Dynamics	3
	ET 3850 Reliability & Engineering Statistics	3
	ET 3870 Engineering Economic Analysis	3
	ET 5870 Engineering Project Management	3
	MCT 3010 Instrumentation	3
	MIT 3500 Manufacturing Processes Lab	1
	Upper Div Tech Elect	8
Design Track	E T 4999 (WI) Senior Project	3
	MCT3100 Mechanical of Materials	3
	MCT3410 Kinematic and Dynamics of Machines	3
	MCT4150 Applied Thermodynamics	3
Energy Track	MCT4400 Design of Machine Elements	3
	MCT4150 Applied Thermodynamics	3
	MCT4180 Fluid Dynamics	3
	MCT4210 Heat Transfer	3
Manufacturing Track	MCT5210 Energy Source and Conversion	3
	MIT 3520 Manufacturing Processes Lecture	2
	MIT3600 Process Engineering	3
	MIT4700 Computer Aided Manufacturing	3
Lower Division Technical	MIT4800 Statistical Quality Control	4
	ET 2140 Computer Graphics	3
	ET 2200 Engineering Materials	3

Courses	EET 2000	Electrical Principles	3
		Other Related Lower Division Technical	21
Communication		(BC) Basic Composition	3
		(IC) Intermediate Writing	3
		(OC) Oral Communication	3
General Education: Humanity and Social Science		(CT) Critical Thinking Exam	0
		(HS) Historical Studies	3
		(AI) American Society & Institutions	3
		(SS) Social Science	3
		(FC) Foreign Culture	3
		(VP) Visual & Performing Arts	3
		(PL) Philosophy & Letters	3
Total:			128

Transfer from Mott Community College's Associate of Applied Science in Mechanical Operations Technology (AAS-MOT) to Wayne State University's Bachelor of Science in Mechanical Engineering Technology (BS-MCT)

1. 52 credits from MOTT's AAS-MOT program can be applied toward WSU's BS-MCT degree:

MOTT's AAS-MOT Curriculum	WSU's BS-MCT	
Course	Course	Credit
<i>Occupational Specialty Courses</i>		
CADD-100 Mechanical Blueprint Reading	MCT1XXX (Not required for BS-MCT)	0
CADD-120 2D CADD Applications 3	ET 2140* Computer Graphics	3
ELEC-131 Residential Electrical Wiring	EET 1XXX* (Lower Division Tech)	3
ELEC-133 Electrical Circuit 3	EET 2000* Electrical Principles	3
WELD-143 Welding Process 3	MIT 1XXX* (Lower Division Tech)	3
MECH-144 Machining 3	MIT 3500 Manufacturing Processes Lab	1
MECH-150 Material Systems & Evaluation 3	ET 2200* Engineering Materials	3
MECH-246 CNC Lathe 2	MIT 1XXX* (Lower Division Tech)	2
MECH-247 CNC Mill 2	MIT 1XXX* (Lower Division Tech)	2
TECH-100 Communication Skills for Tech 2	ET1XXX (Not required for BS-MCT)	0
TECH-102 Industrial & Construction Safety 2	ET 1XXX* (Lower Division Tech)	2
QUAL-103 Metrology 3	MIT 1XXX* (Lower Division Tech)	3
<i>Recommended Elective Courses</i>		
MECH-151 Physical Metallurgy 3	MCT 1XXX* (Lower Division Tech)	3
<i>General Education Requirement (18 credits)</i>		
ENGL-101 English Composition I	(BC) ENG 1020 Intro to College Writing	3
ENGL-102 English Composition II	(IC) ENG 2XXX Intermediate Writing	3
MATH-130 College Algebra	(MC) MAT1800 Elementary Functions	4
MATH-140 Trigonometry		
COMG-153 Computer-A Practical Approach or PHSM-222 Mechanics	MCT 2XXX* (Lower Division Tech)	3
Social Science: ANTH-211, or ECON-219 or 221 or 222, or GEOG-142, or SOCY-191 or 292 or 296	(SS) Social Science	3
<i>Suggested Additional Courses to Fulfill Degree Requirement (Minimum of 62 Credits)</i>		
PHYS-281 General College Physics I	(LP) PHY 2130+31 General Physics	4
CHEM-111 Fundmntls of Inorganic Chemistry	(LP) CHM1020 General Chemistry	4
	Total:	52

* Transferred as Lower Division Technical course (Maximum 30 credits)

2. Additional transfer credits listed below can be applied toward the BS-MCT degree:

MOTT Courses	WSU Courses & Credits	
Course	Course	Credit
PHYS-282 General College Physics II	(LP) PHY 2140+41 General Physics	4
MATH-180 Analytic Geometry & Calculus II	MAT3430/ET3430 Applied Differential & Integral Calculus	4
COMM-131 Fundmntls of Public Speaking	(OC) COM1010 Oral Communication	3
COMS-171 Introduction to C++	(CL) ET 2160 Computer Programming & Applications for Eng. Tech.	2
ANTH-212, or BIOL-107 or 111 or 156, or AHLT-112, or PSYC-281	(LS) Life Science	3
PSCN-171	(AI) American Society & Institutions	3

ANTH-213, or HIST-113 or 151 or 152	(HS) Historical Study	3
ENGL-221 or 231 or 232 or 240 or 242, or PHIL-101 or 165 or 295	(PL) Philosophy & Letters	3
ART-111 or 112 or 116 or 214, or FILM-181, or ENGL-271, or MUS-180 or 181 or 182 or 183 or 184, or THTR-110	(VP) Visual & Performing Arts	3
ANTH-200, or FREN-251 or 252, or GERM-211, or HIST-259, or JAPA-211, or RUSN-211, or SPAN-281	(FC) Foreign Culture	3
Total:		31

3. At least 45 credits must be taken at Wayne State University to complete the 128 credits required for the BS-MCT curriculum listed below:

	Course Title	Cr.	
Mathematics and Science	ET 2160 Computer Programming & Applications for ET	2	
	MAT 1800 (MC) Elementary Functions	4	
	MAT 3430 Applied Differential & Integral Calculus	4	
	MAT 3450 Applied Calculus & Differential Equations	4	
	CHM 1020 (PS) General Chemistry	4	
	PHY 2130,1 (LP) General Physics	4	
	PHY 2140,1 (LP) General Physics	4	
	(LS) Life Science	3	
Upper Division Technical Courses (Select one track)	ET 3030 Statics	3	
	ET 3050 Dynamics	3	
	ET 3850 Reliability & Engineering Statistics	3	
	ET 3870 Engineering Economic Analysis	3	
	ET 5870 Engineering Project Management	3	
	MCT 3010 Instrumentation	3	
	MIT 3500 Manufacturing Processes Lab	1	
		Upper Div Tech Elect	8
	E T 4999 (WI) Senior Project	3	
<i>Design Track</i>	MCT3100 Mechanical of Materials	3	
	MCT3410 Kinematic and Dynamics of Machines	3	
	MCT4150 Applied Thermodynamics	3	
	MCT4400 Design of Machine Elements	3	
<i>Energy Track</i>	MCT4150 Applied Thermodynamics	3	
	MCT4180 Fluid Dynamics	3	
	MCT4210 Heat Transfer	3	
	MCT5210 Energy Source and Conversion	3	
<i>Manufacturing Track</i>	MIT 3520 Manufacturing Processes Lecture	2	
	MIT3600 Process Engineering	3	
	MIT4700 Computer Aided Manufacturing	3	
	MIT4800 Statistical Quality Control	4	
Lower Division Technical Courses	ET 2140 Computer Graphics	3	
	ET 2200 Engineering Materials	3	
	EET 2000 Electrical Principles	3	
		Other Related Lower Division Technical	21
Communication		(BC) Basic Composition	3
		(IC) Intermediate Writing	3
		(OC) Oral Communication	3
General Education:		(CT) Critical Thinking Exam	0
		(HS) Historical Studies	3

Humanity and Social Science	(AI) American Society & Institutions	3
	(SS) Social Science	3
	(FC) Foreign Culture	3
	(VP) Visual & Performing Arts	3
	(PL) Philosophy & Letters	3
Total:		128

**Transfer from Mott Community College's Associate of Applied Science in
Computer Occupations Technology (AAS-COT) to Wayne State University's
Bachelor of Science in Computer Technology (BS-CT)**

1. 43 credits from MOTT's AAS-COT program can be applied toward WSU's BS in Computer Technology (BS-CT):

MOTT's AAS-COT Curriculum	WSU's BS-CT	
Course	Course	Credit
Occupational Specialty Courses		
COMC-115 A+ Core Hardware Components	Not required for BS-CT	
COMC-125 A+ Operating System Technology	CSC 1XXX* (Lower Division Tech)	3
COMG-161 Intro to Computer Security	Not required for BS-CT	
COMI-160 Intro to Computer Info Systems	ISM 2XXX* (Lower Division Tech)	3
COMI-169 Supporting End Users	CST 1XXX* (Lower Division Tech)	3
COMN-112 Prncpls of Computer Networking	CST 1XXX* (Lower Division Tech)	2
COMS-170 Intro to Programming	CST 1XXX* (Lower Division Tech)	4
COMS-172 Intro to Visual Basic	CST 1XXX* (Lower Division Tech)	4
COMW-100 Intro to Web Page Creation 3	CST 1XXX* (Lower Division Tech)	3
Occupational Specialty Courses for Options		
COMS-171 Intro to C++	CSC1100	4
COMW-210 Web Scripting Technologies	EET3XXX**, OR CSC3750 Intro to Web Technology	3
Other Specialty Courses	Not required for BS-CT	
General Education Requirement		
ENGL-101 English Composition I	(BC) ENG 1020 Intro to College Writing	3
ENGL-102 English Composition II	(IC) ENG 2XXX Intermediate Writing	3
MATH-120 Intermediate Algebra	Not transferred for BS-CT	0
COMG-153 Computers-A Practical Approach	CST 1XXX* (Lower Division Tech)	3
COMG-162 GUI Operating Systems	CST 1XXX* (Lower Division Tech)	2
Social Science: ANTH-211, or ECON-219 or 221 or 222, or GEOG-142, or SOCY-191 or 292 or 296	(SS) Social Science	3
	Total:	43

* Transferred as Lower Division Technical course (Maximum 30 credits)

** Transferred as Upper Division Elective (optional)

2. Additional transfer credits listed below can be applied toward the BS-CT degree:

MOTT Courses	WSU Courses & Credits	
Course	Course	Credit
COMM-131 Fundmntls of Public Speaking	(OC) COM1010 Oral Communication	3
CHEM-111 Fundmntls of Inorganic Chemistry, OR, CHEM-131 General Chemistry I, OR, PHYS-281 General College Physics I	(PS) Physical Science	4
MATH-130 + MATH-140, OR, MATH-145 Pre-Calculus	(MC) MAT1800 Elementary Functions	4
MATH-180 Analytic Geometry & Calculus II	MAT3430/ET3430 Applied Differential & Integral Calculus	4
ELEC-139 Logical Control Systems	EET 2100* Principles of Digital Design	3
ELEC-233 Embedded Controllers	EET 2720* Microprocessor Fundmntls	3
ANTH-212, or BIOL-107 or 111 or 156, or AHLT-112, or PSYC-281	(LS) Life Science	3

PSCN-171	(AI) American Society & Institutions	3
ANTH-213, or HIST-113 or 151 or 152	(HS) Historical Study	3
ENGL-221 or 231 or 232 or 240 or 242, or PHIL-101 or 165 or 295	(PL) Philosophy & Letters	3
ART-111 or 112 or 116 or 214, or FILM-181, or ENGL-271, or MUS-180 or 181 or 182 or 183 or 184, or THTR-110	(VP) Visual & Performing Arts	3
ANTH-200, or FREN-251 or 252, or GERM-211, or HIST-259, or JAPA-211, or RUSN-211, or SPAN-281	(FC) Foreign Culture	3
Total:		39

3. At least 46 credits must be taken at Wayne State University to complete the 128 credits required for the BS-CT curriculum listed below:

	Course Title	Cr.
Mathematics and Science	CSC 1100.1 Problem Solving & Programming	4
	MAT 1800 (MC) Elementary Functions	4
	MAT 3430 Applied Differential & Integral Calculus	4
	(PS) Physical Science	4
	(LS) Life Science	3
Upper Division Technical Courses	ET 3850 Reliability & Engineering Statistics	3
	ET 5870 Engineering Project Management	3
	EET 3100 Advanced Digital Design	3
	EET 3700 Micro & Programmable Controllers	3
	EET 4100 Computer Hardware Design	3
	EET 5720 Computer Networking	4
	CSC 3750 Introduction to Web Technology	3
	CSC 4110 Introduction to Software Engineering	3
	CSC 4111 Introduction to Software Engineering Lab	1
	CSC 4220 Computer Operation Systems	3
	CSC 4221 Computer Operation Systems Lab	1
	CSC 4710 Information System Design	3
	Upper Div Tech Elect	3
	Upper Div Tech Elect	3
E T 4999 (WI) Senior Project	3	
Lower Division Technical Courses	EET 2100 Principals of Digital Design	3
	EET 2720 Microprocessor Fundamentals	3
	CSC 2100.1 Introduction to Data Structure & Abstraction	4
	CSC 2200.1 Data Structure & Algorithm Analysis	4
	Other Related Lower Division Technical	26
Communication	(BC) Basic Composition	3
	(IC) Intermediate Writing	3
	(OC) Oral Communication	3
General Education: Humanity and Social Science	(CT) Critical Thinking Exam	0
	(HS) Historical Studies	3
	(AI) American Society & Institutions	3
	(SS) Social Science	3
	(FC) Foreign Culture	3
	(VP) Visual & Performing Arts	3
	(PL) Philosophy & Letters	3
Total:		128