

# **Articulation Agreement**

*Between*

## **Wayne State University & Oakland Community College**

*Linking Oakland Community College, Associate in Applied Science  
With Wayne State's Bachelor of Science, Engineering Technology*

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

Wayne State University and Oakland 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 in Applied Science degree or enrolled at OCC in Computer Aided Design and Drafting Technology (CAD.AAS), Computer Support Engineering Technology (CSE.AAS), Electrical Trades Technology (ETT.AAS), Robotic/Automated Systems Technology (ROB.AAS), or Technological Science (TSC.AAS) with a focus in Computer Aided Design and Drafting Technology (CAD) or Robotic/Automated Systems Technology (ROB), to complete a Bachelor of Science degree in Electric/Electronic Engineering Technology (BS-EET), Electromechanical Engineering Technology (BS-EMT), Electric Transportation Technology (BS-ETT), Mechanical Engineering Technology (BS-MCT) or Computer Technology (BS-CT).

### **Article I**

#### **Agreement on Program Integrity**

*WSU* and *OCC* 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 *OCC* is intended to provide a smooth and seamless curriculum transition for Oakland Community College's 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 *OCC* and *WSU* must also be met.

### **Article III**

#### **Agreement of Program Articulation**

*OCC* and *WSU* agree that any student who has earned the aforementioned Associate in Applied Science degrees or enrolled at *OCC* in any of the listed programs may transfer the credits from

their program to the College of Engineering at *WSU* toward the *BS-EET*, *BS-EMT*, *BS-ETT*, *BS-MCT* or *BS-CT*, as outlined in the attached appendices.

The agreement specifically allows the transfer of up to ninety (90) credits (depending upon bachelor degree selected) from *OCC* 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 purpose of allowing *OCC* students to transfer additional credit is to enable them to complete all lower division courses and general education requirement for the BS programs at *OCC*.

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

#### **Article V Agreement on Communication**

*OCC* 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 *OCC* 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**

The Dean of Engineering, Manufacturing, and Industrial Technologies at *OCC*, and the Chair of the Division of Engineering Technology at *WSU* will 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 Director of Curriculum and Student Learning at *OCC* 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 *bona fide* 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 superseded by this Agreement.

**Article X**  
**Amendment/Modification/ or Termination Provision**

*OCC* 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 be subject to review for continuance after a period of three (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 *OCC* 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.

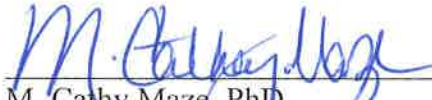
This agreement is in effect February 2014 until February 2017 or until termination as specified above.

Signatories for Wayne State University:

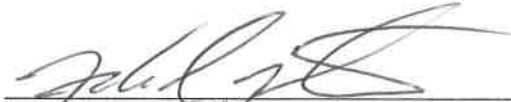
Signatories for Oakland Community College:



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



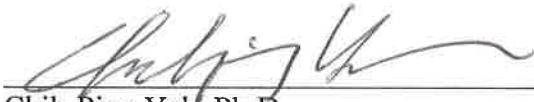
M. Cathy Maze, PhD  
Interim Vice Chancellor of Academic and Student Affairs



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



Martin Orłowski, M.A.  
Executive Director of Curriculum and Student Learning



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



Deborah Bayer M.S., P.E.M.  
Interim Dean, Engineering, Manufacturing and Industrial Technologies

5/16/2014

Date of Last Signature



Steven M. Linden, M.B.A.  
Registrar

6/10/14

FORM APPROVED  
PG  
01 MAY 2014  
OFFICE OF THE  
GENERAL COUNSEL

## APPENDIX A

### Transfer from Oakland Community College's Associate in Applied Science Degree in Electrical Trades Technology (ETT.AAS) to Wayne State University's Bachelor of Science in Electrical/Electronic Engineering Technology (BS-EET)

	WSU BS-EET Curriculum		OCC ETT.AAS Transfers		
	Course	Cr			
Math & Science	ET 2160	(CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800	(MC) Elementary Functions	4	MAT 1630	
	MAT 3430	Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450	Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020	(PS) General Chemistry	4	CHE 1000	
	PHY 2130,1	(LP) General Physics	4	PHY 1610	
	PHY 2140,1	(LP) General Physics	4	PHY 1620	
Lower Division Technical Courses	EET 2000	Electrical Principles	3	EEC 1020 + 1040	
	EET 2100	Principle of Digital Design	3		
	EET 2720	Microprocessor Fundamentals	3		
	EET	Lower Division Technical	21	Any other ETT.ASS related technical courses	
Upper Division Technical Courses	E T 3850	Reliability & Engineering Statistics	3		
	E T 3870	Engineering Economic Analysis	3		
	E T 5870	Project Management	3		
	EET 3100	Advanced Digital Design	3		
	EET 3150	Network Analysis	4		
	EET 3180	Analog Electronics	4		
	EET 3500	Electrical Machines & Power Sys	3		
	EET 3720	Micro & Programmable Controllers	3		
	EET 3300	Applied Signal Processing	3		
	EET 4200	Control Systems	4		
	EET	Upper Division Tech Elective	3	ROB 1620 + 1660	
	EET	Upper Division Tech Elective	3		
	E T 4999	(WI/ST) Senior Project	3		
General Education Courses		(BC) Basic Composition	3	ENG 1510	
		(IC) Intermediate Writing	3	ENG 1520	
		(OC) Oral Communication	3	COM 1600 or ENG 2200	
		(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
		(AI) American Society & Institutions	3		
		(SS) Social Science	3		
		(FC) Foreign Culture	3		
		(VP) Visual & Performing Arts	3		
		(PL) Philosophy & Letters	3		
		(LS) Life Science	3		
	(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-EET: 128</b>					<b>Maximum OCC transfer credit applied toward BS-EET: 90</b>

**Transfer from Oakland Community College's Associate in Applied Science Degree in Electrical Trades Technology (ETT.AAS) to Wayne State University's Bachelor of Science in Electromechanical Engineering Technology (BS-EMT)**

	WSU BS-EMT Curriculum		OCC ETT.AAS Transfers	
	Course	Cr		
Math & Science	ET 2160 (CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450 Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020 (PS) General Chemistry	4	CHE 1000	
	PHY 2130,1 (LP) General Physics	4	PHY 1610	
	PHY 2140,1 (LP) General Physics	4	PHY 1620	
Lower Division Technical Courses	E T 2140 Computer Graphics	3	CAD 1101	
	EET 2000 Electrical Principles	3	EEC 1020 + 1040	
	EET 2100 Principle of Digital Design	3		
	EET 2720 Microprocessor Fundamentals	3		
	EET or MCT Lower Division Technical	18	Any ETT, ROB or MEC related technical courses	
Upper Division Technical Courses	ET 3030 Statics	3		
	ET 3050 Dynamics	3		
	E T 3870 Engineering Economic Analysis	3		
	E T 5870 Project Management	3		
	EET 3150 Network Analysis	4		
	EET 3720 Micro & Programmable Controllers	3		
	EET 3500 Electrical Machines & Power Sys	3		
	EET 4200 Control Systems	4		
	MCT 3010 Instrumentation	3		
	MIT 3500 Manufacturing Processes Lab	1	(1/3) ATM 1120	
	EET or MCT Upper Division Tech Elective	2	(2/3) ATM 1120	
	EET or MCT Upper Division Tech Elective	3	ROB 1620 + 1660	
	EET or MCT Upper Division Tech Elective	4		
E T 4999 (WI/ST) Senior Project	3			
General Education Courses	(BC) Basic Composition	3	ENG 1510	
	(IC) Intermediate Writing	3	ENG 1520	
	(OC) Oral Communication	3	COM 1600 or ENG 2200	
	(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
	(AI) American Society & Institutions	3		
	(SS) Social Science	3		
	(FC) Foreign Culture	3		
	(VP) Visual & Performing Arts	3		
	(PL) Philosophy & Letters	3		
	(LS) Life Science	3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-EMT: 128</b>				<b>Maximum OCC transfer credit applied toward BS-EMT: 90</b>

**Transfer from Oakland Community College's Associate in Applied Science Degree in Electrical Trades Technology (ETT.AAS) to Wayne State University's Bachelor of Science in Electric Transportation Technology (BS-ETT)**

	WSU BS-ETT Curriculum		OCC ETT.AAS Transfers	
	Course	Cr		
Math & Science	ET 2160 (CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450 Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020 (PS) General Chemistry	4	CHE 1000	
	PHY 2130,1 (LP) General Physics	4	PHY 1610	
	PHY 2140,1 (LP) General Physics	4	PHY 1620	
	EET 2100 Principle of Digital Design	3		
	EET 2720 Microprocessor Fundamentals	3		
	EET or AUS Lower Division Technical	24	Any other ETT or AUS related technical courses	
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 and Application for Automotive	3		
	ETT4150 Fundamental of Hybrid & Electric Vehicles	3		
	ETT 4200 Control Systems for Electric and Hybrid Electric Vehicles	4		
	ETT4310 Energy Story Systems for Electric and Hybrid Electric Vehicles	3		
	ETT4650 Power Electronic & Charging Systems	3		
	EET or ETT Upper Division Tech Elective	3	ROB 1620 + 1660	
	ETT Upper Division Tech Elective	4		
E T 4999 (WI/ST) Senior Project	3			
General Education Courses	(BC) Basic Composition	3	ENG 1510	
	(IC) Intermediate Writing	3	ENG 1520	
	(OC) Oral Communication	3	COM 1600 or ENG 2200	
	(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
	(AI) American Society & Institutions	3		
	(SS) Social Science	3		
	(FC) Foreign Culture	3		
	(VP) Visual & Performing Arts	3		
	(PL) Philosophy & Letters	3		
	(LS) Life Science	3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-ETT: 128</b>				<b>Maximum OCC transfer credit applied toward BS-ETT: 90</b>

**Transfer from Oakland Community College's Associate in Applied Science Degree in Robotic/Automated Systems (ROB.AUT.AAS) or Associate in Applied Science Degree in Technical Science (TSC.AAS) with a Focus in Robotic/Automated Systems to Wayne State University's Bachelor of Science in Electrical/Electronic Engineering Technology (BS-EET)**

	WSU BS-EET Curriculum		OCC ROB.AUT.AAS Transfers	
	Course	Cr		
Math & Science	ET 2160 (CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450 Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020 (PS) General Chemistry	4	CHE 1000	
	PHY 2130,1 (LP) General Physics	4	PHY 1610	
	PHY 2140,1 (LP) General Physics	4	PHY 1620	
Lower Division Technical Courses	EET 2000 Electrical Principles	3	EEC 1020 + 1040	
	EET 2100 Principle of Digital Design	3		
	EET 2720 Microprocessor Fundamentals	3		
	EET Lower Division Technical	21	Any other ETT or ROB related technical courses	
Upper Division Technical Courses	E T 3850 Reliability & Engineering Statistics	3		
	E T 3870 Engineering Economic Analysis	3		
	E T 5870 Project Management	3		
	EET 3100 Advanced Digital Design	3		
	EET 3150 Network Analysis	4		
	EET 3180 Analog Electronics	4		
	EET 3500 Electrical Machines & Power Sys	3		
	EET 3720 Micro & Programmable Controllers	3		
	EET 3300 Applied Signal Processing	3		
	EET 4200 Control Systems	4		
	EET Upper Division Tech Elective	3	ROB 1620 + 1660	
	EET Upper Division Tech Elective	3		
	E T 4999 (WI/ST) Senior Project	3		
	General Education Courses	(BC) Basic Composition	3	ENG 1510
(IC) Intermediate Writing		3	ENG 1520	
(OC) Oral Communication		3	COM 1600 or ENG 2200	
(HS) Historical Studies		3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
(AI) American Society & Institutions		3		
(SS) Social Science		3		
(FC) Foreign Culture		3		
(VP) Visual & Performing Arts		3		
(PL) Philosophy & Letters		3		
(LS) Life Science		3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-EET: 128</b>				<b>Maximum OCC transfer credit applied toward BS-EET: 90</b>



**Transfer from Oakland Community College's Associate in Applied Science Degree in Robotic/Automated Systems (ROB.AUT.AAS) or Associate in Applied Science Degree in Technical Science (TSC.AAS) with a Focus in Robotic/Automated Systems to Wayne State University's Bachelor of Science in Electromechanical Engineering Technology (BS-EMT)**

	WSU BS-EMT Curriculum		OCC ROB.AUT.AAS Transfers	
	Course	Cr		
Math & Science	ET 2160 (CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450 Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020 (PS) General Chemistry	4	CHE 1000	
	PHY 2130,1 (LP) General Physics	4	PHY 1610	
	PHY 2140,1 (LP) General Physics	4	PHY 1620	
Lower Division Technical Courses	E T 2140 Computer Graphics	3	CAD 1101	
	EET 2000 Electrical Principles	3	EEC 1020 + 1040	
	EET 2100 Principle of Digital Design	3		
	EET 2720 Microprocessor Fundamentals	3		
	EET or MCT Lower Division Technical	18	Any other ROB, ETT or MEC related technical courses	
Upper Division Technical Courses	ET 3030 Statics	3		
	ET 3050 Dynamics	3		
	E T 3870 Engineering Economic Analysis	3		
	E T 5870 Project Management	3		
	EET 3150 Network Analysis	4		
	EET 3720 Micro & Programmable Controllers	3		
	EET 3500 Electrical Machines & Power Sys	3		
	EET 4200 Control Systems	4		
	MCT 3010 Instrumentation	3		
	MIT 3500 Manufacturing Processes Lab	1	(1/3) ATM 1120	
	EET or MCT Upper Division Tech Elective	2	(2/3) ATM 1120	
	EET or MCT Upper Division Tech Elective	3	ROB 1620 + 1660	
	EET or MCT Upper Division Tech Elective	4		
E T 4999 (W/ST) Senior Project	3			
General Education Courses	(BC) Basic Composition	3	ENG 1510	
	(IC) Intermediate Writing	3	ENG 1520	
	(OC) Oral Communication	3	COM 1600 or ENG 2200	
	(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
	(AI) American Society & Institutions	3		
	(SS) Social Science	3		
	(FC) Foreign Culture	3		
	(VP) Visual & Performing Arts	3		
	(PL) Philosophy & Letters	3		
	(LS) Life Science	3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-EMT: 128</b>				<b>Maximum OCC transfer credit applied toward BS-EMT: 90</b>

**Transfer from Oakland Community College's Associate in Applied Science Degree in Robotic/Automated Systems (ROB.AUT.AAS) or Associate in Applied Science Degree in Technical Science (TSC.AAS) with a Focus in Robotic/Automated Systems to Wayne State University's Bachelor of Science in Mechanical Engineering Technology (BS-MCT) - Design Track**

	WSU BS-MCT (Design Track) Curriculum		OCC ROB.AUT.AAS Transfers	
	Course	Cr		
Math & Science	ET 2160 (CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450 Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020 (PS) General Chemistry	4	CHE 1000	
	PHY 2130,1 (LP) General Physics	4	PHY 1610	
	PHY 2140,1 (LP) General Physics	4	PHY 1620	
Lower Division Technical Courses	ET 2140 Computer Graphics	3	CAD 1101	
	ET 2200 Engineering Materials	3		
	EET 2000 Electrical Principles	3	EEC 1020 + 1040	
	MCT/MIT Lower Division Technical	21	Any ROB, ATM or MEC related technical courses	
Upper Division Technical Courses	E T 3030 Statics	3		
	E T 3050 Dynamics	3		
	E T 3850 Reliability & Engineering Statistics	3		
	E T 3870 Engineering Economic Analysis	3		
	E T 5870 Project Management	3		
	E T 4999 (WI/ST) Senior Project	3		
	MIT 3500 Manufacturing Processes Lab	1	(1/3) ATM 1120	
	MCT 3010 Instrumentation	3		
	MCT 3100 Mechanics of Materials	3		
	MCT 3410 Kinematics & Dynamics of Machine	3		
	MCT 4150 Applied Thermodynamics	3		
	MCT 4400 Design of Machine Elements	3		
	MCT/MIT Upper Division Elective (MIT3520)	2	(2/3) ATM 1120	
	MCT/MIT Upper Division Elective	3	ROB 1620 + 1660	
MCT/MIT Upper Division Elective	3			
General Education Courses	(BC) Basic Composition	3	ENG 1510	
	(IC) Intermediate Writing	3	ENG 1520	
	(OC) Oral Communication	3	COM 1600 or ENG 2200	
	(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
	(AI) American Society & Institutions	3		
	(SS) Social Science	3		
	(FC) Foreign Culture	3		
	(VP) Visual & Performing Arts	3		
	(PL) Philosophy & Letters	3		
	(LS) Life Science	3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-MCT: 128</b>				<b>Maximum OCC transfer credit applied toward BS-MCT: 90</b>

**Transfer from Oakland Community College's Associate in Applied Science Degree in Robotic/Automated Systems (ROB.AUT.AAS) or Associate in Applied Science Degree in Technical Science (TSC.AAS) with a Focus in Robotic/Automated Systems to Wayne State University's Bachelor of Science in Mechanical Engineering Technology (BS-MCT) - Manufacturing Track**

	WSU BS-MCT (Manufacturing Track) Curriculum		OCC ROB.AUT.AAS Transfers	
	Course	Cr		
Math & Science	ET 2160 (CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450 Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020 (PS) General Chemistry	4	CHE 1000	
	PHY 2130,1 (LP) General Physics	4	PHY 1610	
	PHY 2140,1 (LP) General Physics	4	PHY 1620	
Lower Division Technical Courses	ET 2140 Computer Graphics	3	CAD 1101	
	ET 2200 Engineering Materials	3		
	EET 2000 Electrical Principles	3	EEC 1020 + 1040	
	MCT/MIT Lower Division Technical	21	Any ROB, ATM or MEC related technical courses	
Upper Division Technical Courses	E T 3030 Statics	3		
	E T 3050 Dynamics	3		
	E T 3850 Reliability & Engineering Statistics	3		
	E T 3870 Engineering Economic Analysis	3		
	E T 5870 Project Management	3		
	E T 4999 (WI/ST) Senior Project	3		
	MCT 3010 Instrumentation	3		
	MIT 3500 Manufacturing Processes Lab	1	ATM 1120	
	MIT 3520 Manufacturing Processes Lecture	2		
	MIT 3600 Process Engineering	3		
	MIT 4700 Computer Aided Manufacturing	3		
	MIT 4800 Statistical Quality Control	4		
	MCT/MIT Upper Division Elective	2		
	MCT/MIT Upper Division Elective	3	ROB 1620 + 1660	
MCT/MIT Upper Division Elective	3			
General Education Courses	(BC) Basic Composition	3	ENG 1510	
	(IC) Intermediate Writing	3	ENG 1520	
	(OC) Oral Communication	3	COM 1600 or ENG 2200	
	(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
	(AI) American Society & Institutions	3		
	(SS) Social Science	3		
	(FC) Foreign Culture	3		
	(VP) Visual & Performing Arts	3		
	(PL) Philosophy & Letters	3		
	(LS) Life Science	3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-MCT: 128</b>				<b>Maximum OCC transfer credit applied toward BS-MCT: 90</b>

**Transfer from Oakland Community College's Associate in Applied Science in Computer Aided Design and Drafting Technology (CAD.AAS) or Associate in Applied Science in Technical Science (TSC.AAS) with a Focus in Computer Aided Design and Drafting Technology to Wayne State University's Bachelor of Science in Mechanical Engineering Technology (BS-MCT)-Design Track**

	WSU BS-MCT (Design Track) Curriculum		OCC CAD.AAS Transfers	
	Course	Cr		
Math & Science	ET 2160 (CL) Computer Applications for ET	2	CIS 2252	
	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	MAT 3450 Appl Calculus & Diff Equations	4	MAT 2810	
	CHM 1020 (PS) General Chemistry	4	CHE 1000	
	PHY 2130,1 (LP) General Physics	4	PHY 1610	
	PHY 2140,1 (LP) General Physics	4	PHY 1620	
Lower Division Technical Courses	ET 2140 Computer Graphics	3	CAD 1101	
	ET 2200 Engineering Materials	3		
	EET 2000 Electrical Principles	3	EEC 1020 + 1040	
	MCT/MIT Lower Division Technical	21	Any ROB, ATM or MEC related technical courses	
Upper Division Technical Courses	E T 3030 Statics	3		
	E T 3050 Dynamics	3		
	E T 3850 Reliability & Engineering Statistics	3		
	E T 3870 Engineering Economic Analysis	3		
	E T 5870 Project Management	3		
	E T 4999 (WI/ST) Senior Project	3		
	MIT 3500 Manufacturing Processes Lab	1	(1/3) MEC 1010	
	MCT 3010 Instrumentation	3		
	MCT 3100 Mechanics of Materials	3		
	MCT 3410 Kinematics & Dynamics of Machine	3		
	MCT 4150 Applied Thermodynamics	3		
	MCT 4400 Design of Machine Elements	3		
	MCT/MIT Upper Division Elective (MIT3520)	2	(2/3) MEC 1010	
	MCT/MIT Upper Division Elective	3	ROB 1620 + 1660	
MCT/MIT Upper Division Elective	3			
General Education Courses	(BC) Basic Composition	3	ENG 1510	
	(IC) Intermediate Writing	3	ENG 1520	
	(OC) Oral Communication	3	COM 1600 or ENG 2200	
	(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
	(AI) American Society & Institutions	3		
	(SS) Social Science	3		
	(FC) Foreign Culture	3		
	(VP) Visual & Performing Arts	3		
	(PL) Philosophy & Letters	3		
	(LS) Life Science	3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-MCT: 128</b>				<b>Maximum OCC transfer credit applied toward BS-MCT: 90</b>

**Transfer from Oakland Community College's Associate in Applied Science Degree in Computer Support Engineering Technology (CSE.AAS) to Wayne State University's Bachelor of Science in Computer Technology (BS-CT)**

	WSU BS-CT Curriculum		OCC CSE.AAS Transfers	
	Course	Cr		
Math & Science	MAT 1800 (MC) Elementary Functions	4	MAT 1630	
	MAT 3430 Appl Differential & Integral Calculus	4	MAT 1740	
	(PS) Physics Science (Physics recommended)	4	PHY 1610	
Lower Division Technical Courses	EET 2100 Principle of Digital Design	3		
	EET 2720 Microprocessor Fundamentals	3		
	CSC 1100, 1 Problm Solving & Programming + Lab	4	CIS 2252	
	CSC 2110,1 Intro Data Struc & Abstraction + Lab	4		
	CSC 2200,1 Data Struct & Algo Analysis + Lab	4		
EET or CSC Lower Division Technical	26	Any other CSE related technical courses		
Upper Division Technical Courses	E T 3850 Reliability & Engineering Statistics	3		
	E T 3870 Engineering Economic Analysis	3		
	EET 3100 Advanced Digital Design	3		
	EET 3720 Micro & Programmable Controllers	3		
	EET4100 Computer Hardware Design	3		
	EET5720 Computer Networking	4		
	CSC 3750 Introduction to Web Technology	3	CIS 1722	
	CSC 4110,1 Intro. to Software Engineering + Lab	4		
	CSC 4420,1 Computer Operating System + Lab	4	CIS 2300 or 2900	
	CSC 4710 Information System Design	3	CIS 2515	
	EET or CSC Upper Division Tech Elective	3	CIS2636 or 2858 or 2859 or 2860	
	EET or CSC Upper Division Tech Elective	3		
E T 4999 (WI/ST) Senior Project	3			
General Education Courses	(BC) Basic Composition	3	ENG 1510	
	(IC) Intermediate Writing	3	ENG 1520	
	(OC) Oral Communication	3	COM 1600 or ENG 2200	
	(HS) Historical Studies	3	Students transferring to WSU that satisfy either the MACRAO or the Michigan Transfer Agreement (MTA) will satisfy all the requirements to the left. Students must still <b>satisfy the above courses</b> , which are MACRAO and MTA-supported, in order to satisfy the ABET accreditation requirements.	
	(AI) American Society & Institutions	3		
	(SS) Social Science	3		
	(FC) Foreign Culture	3		
	(VP) Visual & Performing Arts	3		
	(PL) Philosophy & Letters	3		
	(LS) Life Science	3		
(CT) Critical Thinking Exam	0			
<b>Total Credit required for BS-CT: 128</b>				<b>Maximum OCC transfer credit applied toward BS-CT: 90</b>