

# TECHNOLOGY MANAGEMENT ARTICULATION AGREEMENT GUIDE

Wayne County Community College District– Approved Technical Programs  
Eastern Michigan University – Bachelor of Science in Technology Management

Wayne County Community College District Courses:	Transfer to Eastern Michigan University as:																																												
<b>Michigan Transfer Agreement (MTA) Requirements (30 credits)</b>																																													
Students with an MTA endorsement on their community college transcript have satisfied EMU's General Education Core Requirements and will be required to complete only the General Education Application Requirements of one Perspectives on a Diverse World course, one Learning beyond the Classroom experience, and a writing intensive course in the major. <u>Courses listed below for the MTA also satisfy major requirements at EMU.</u> Students who started before Fall 2014 may continue to follow the MACRAO Agreement until the end of summer 2019. A MACRAO version of this articulation guide is available at <a href="http://www.emich.edu/ccr/archartguide_macrao.php">http://www.emich.edu/ccr/archartguide_macrao.php</a> . For WCCCD's approved MTA courses go to the WCCCD catalog page 24. <a href="http://www.wcccd.edu/students/pdfs/Catalog_2015-2016_Web.pdf">http://www.wcccd.edu/students/pdfs/Catalog_2015-2016_Web.pdf</a>																																													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">1. <b>A course in English Composition</b></td> <td style="padding: 2px 5px;">Choose from the approved MTA list.....3</td> <td style="padding: 2px 5px;">University Elective .....</td> <td style="padding: 2px 5px;">3</td> </tr> <tr> <td style="padding: 2px 5px;">2. <b>A course in English Composition or Communication</b></td> <td style="padding: 2px 5px;">Choose from the approved MTA list.....3</td> <td style="padding: 2px 5px;">University Elective .....</td> <td style="padding: 2px 5px;">3</td> </tr> <tr> <td style="padding: 2px 5px;">3. <b>A course in Mathematics</b></td> <td style="padding: 2px 5px;"><sup>1</sup>MAT 155 College Algebra .....</td> <td style="padding: 2px 5px;">Subs for <b>MATH 118</b>.....</td> <td style="padding: 2px 5px;">4</td> </tr> <tr> <td colspan="4" style="padding: 2px 5px;">4. <b>Two courses in Natural Sciences from different disciplines (one lab required)</b></td> </tr> <tr> <td colspan="2" style="padding: 2px 5px;">Choose from the approved MTA list.....7-8</td> <td style="padding: 2px 5px;">University Elective .....</td> <td style="padding: 2px 5px;">7-8</td> </tr> <tr> <td colspan="4" style="padding: 2px 5px;">5. <b>Two courses in Humanities from different disciplines</b></td> </tr> <tr> <td colspan="2" style="padding: 2px 5px;">Choose from the approved MTA list.....6</td> <td style="padding: 2px 5px;">University Elective .....</td> <td style="padding: 2px 5px;">6</td> </tr> <tr> <td colspan="4" style="padding: 2px 5px;">6. <b>Two courses in Social Sciences from different disciplines</b></td> </tr> <tr> <td colspan="2" style="padding: 2px 5px;">*ECO 101 Principles of Economics I .....</td> <td style="padding: 2px 5px;">ECON 201 Principles of Macroeconomics.....</td> <td style="padding: 2px 5px;">3</td> </tr> <tr> <td colspan="2" style="padding: 2px 5px;">Choose from the approved MTA list.....3</td> <td style="padding: 2px 5px;">University Elective .....</td> <td style="padding: 2px 5px;">3</td> </tr> <tr> <td colspan="4" style="padding: 2px 5px;">7. <b>If needed, complete additional courses from the any category above to satisfy the 30 credit minimum for the MTA.</b></td> </tr> </table>		1. <b>A course in English Composition</b>	Choose from the approved MTA list.....3	University Elective .....	3	2. <b>A course in English Composition or Communication</b>	Choose from the approved MTA list.....3	University Elective .....	3	3. <b>A course in Mathematics</b>	<sup>1</sup> MAT 155 College Algebra .....	Subs for <b>MATH 118</b> .....	4	4. <b>Two courses in Natural Sciences from different disciplines (one lab required)</b>				Choose from the approved MTA list.....7-8		University Elective .....	7-8	5. <b>Two courses in Humanities from different disciplines</b>				Choose from the approved MTA list.....6		University Elective .....	6	6. <b>Two courses in Social Sciences from different disciplines</b>				*ECO 101 Principles of Economics I .....		ECON 201 Principles of Macroeconomics.....	3	Choose from the approved MTA list.....3		University Elective .....	3	7. <b>If needed, complete additional courses from the any category above to satisfy the 30 credit minimum for the MTA.</b>			
1. <b>A course in English Composition</b>	Choose from the approved MTA list.....3	University Elective .....	3																																										
2. <b>A course in English Composition or Communication</b>	Choose from the approved MTA list.....3	University Elective .....	3																																										
3. <b>A course in Mathematics</b>	<sup>1</sup> MAT 155 College Algebra .....	Subs for <b>MATH 118</b> .....	4																																										
4. <b>Two courses in Natural Sciences from different disciplines (one lab required)</b>																																													
Choose from the approved MTA list.....7-8		University Elective .....	7-8																																										
5. <b>Two courses in Humanities from different disciplines</b>																																													
Choose from the approved MTA list.....6		University Elective .....	6																																										
6. <b>Two courses in Social Sciences from different disciplines</b>																																													
*ECO 101 Principles of Economics I .....		ECON 201 Principles of Macroeconomics.....	3																																										
Choose from the approved MTA list.....3		University Elective .....	3																																										
7. <b>If needed, complete additional courses from the any category above to satisfy the 30 credit minimum for the MTA.</b>																																													
<b>EMU's Perspectives on a Diverse World requirement: Complete <u>one</u> course from the following list:</b> Courses on this list will satisfy an MTA area above: <b>Humanities:</b> AAS 253; ENG 212, 260, 261, 266, 290, 292; HUM 126; MWS 102; <b>Social Science:</b> AAS 120, 131, 140, 150, 175, 180, 253; ANT 152, 154; HIS 152, 261, 262; MWS 101, 102, 103, 106, 107, 114; PS 160; SOC 230;																																													
<b>WCCCD Technical Concentration (30-46 credits)</b> *Thirty to forty-six credits in technical courses from an approved WCCCD program or discipline may be transferred as a block for the technical concentration. If the program has less than 30 credits, additional approved courses may be taken at either institution.....30-46      Technical Concentration..... 30-46																																													
<b>EMU Requirements that May be Taken at WCCCD or EMU (18-34 Credits)</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;"><sup>2</sup>BUS 225 Computer Applications in Business .....</td> <td style="padding: 2px 5px;">3</td> <td style="padding: 2px 5px;">STS 201 Microcomputers for Business Applications.....</td> <td style="padding: 2px 5px;">3</td> </tr> <tr> <td style="padding: 2px 5px;">ECO 102 Principles of Economics II .....</td> <td style="padding: 2px 5px;">3</td> <td style="padding: 2px 5px;">ECON 202 Principles of Microeconomics .....</td> <td style="padding: 2px 5px;">3</td> </tr> <tr> <td colspan="2" style="padding: 2px 5px;">Additional program requirements or electives .....</td> <td style="padding: 2px 5px;">University Electives .....</td> <td style="padding: 2px 5px;">12-28</td> </tr> </table> Please note that the number of elective credits will vary depending on the technical concentration. Students must complete a minimum of 124 total credits with at least 30 credits at EMU for a bachelor's degree. Be sure to keep track of your total credits.		<sup>2</sup> BUS 225 Computer Applications in Business .....	3	STS 201 Microcomputers for Business Applications.....	3	ECO 102 Principles of Economics II .....	3	ECON 202 Principles of Microeconomics .....	3	Additional program requirements or electives .....		University Electives .....	12-28																																
<sup>2</sup> BUS 225 Computer Applications in Business .....	3	STS 201 Microcomputers for Business Applications.....	3																																										
ECO 102 Principles of Economics II .....	3	ECON 202 Principles of Microeconomics .....	3																																										
Additional program requirements or electives .....		University Electives .....	12-28																																										
<b>Credits at WCCCD: .....</b>	<b>94</b>	<b>Credits that transfer to EMU .....</b>	<b>94</b>																																										

\* Required for EMU's Technology Management program.

<sup>1</sup> STS 224 may be used to satisfy this requirement at EMU, however, it is not an approved MTA course at WCCCD.

<sup>2</sup> STS 201(CIS 101 at JC) may be waived by successful completion of STS 201 exam at EMU. See Tech Management advisor.

**NOTE:** Students who want to complete a certificate or associate degree should consult a WCCCD counselor to select the appropriate courses. See page 2 for a list of approved programs.

**Sign up with us:** If you let us know you are using this articulation agreement we can stay in touch with you and provide information and advising to you while you are still at your community college. Sign up at: [www.emich.edu/ccr/trackingssystem/Enter.php](http://www.emich.edu/ccr/trackingssystem/Enter.php)

# TECHNOLOGY MANAGEMENT ARTICULATION AGREEMENT GUIDE

Wayne County Community College District– Approved Technical Programs  
 Eastern Michigan University – Bachelor of Science in Technology Management

## Completion of EMU's Technology Management Program

### Major Requirements (30-33 credits)

#### Core Courses (18 credits)

TM 130	Intro to Technology Management.....	3
TM 212	Management of Technological Change.....	3
TM 311	Information Technology Mgmt & Organizations .....	3
<sup>1</sup> TM 314W	Sociotechnical Systems Appr to Proc Imprmt .....	3
TM 402	Technology Project Management.....	3
TM 415	Senior Seminar in Technology Management .....	3

#### Technology Mgmt Electives (12-15 credits)

Choose from the following:..... 12-15

(At least 3 hours at the 300/400 level must be completed.)

ACC 130	Accounting for Non-business majors(3)	
ACC 240	Prin of Financial Accounting (3)	
ACC 241	Prin of Managerial Accounting (3)	
FIN 350	Principles of Finance (3)	
FIN 358	Analysis of Financial Statements (3)	
LAW 293	Legal Environment of Business (3)	
LAW 403	Employment Law (3)	
MGMT 384	Human Resource Management (3)	
MGMT 386	Organizational Behavior & Theory (3)	
MGMT 388	Intro to Entrepreneurship (3)	
MGMT 480W	Management Responsibility & Ethics (WI) (3)	
MKTG 360	Principles of Marketing (3)	
MKTG 369	Advertising (3)	
MKTG 473	Marketing and Product Innovation (3)	
TM 306	Quan Analysis of Sustainability Issues (3)	
TM 308	Seminar in Technological Impacts (3)	
TM 377/378/379	Special Topics (1/2/3)	
<sup>2</sup> TM 387L4	Cooperative Education (3)	
TM 477/478/479	Special Topics (1/2/3)	

### LBC Requirement (0-3 credits)

One Learning beyond the Classroom (LBC) course or noncredit experience must be completed at EMU. TM 387 Cooperative Education satisfies the LBC requirement.

**Minimum Credits at EMU: ..... 30**

**Maximum Transfer Credits ..... 94**

**Minimum Credits to Graduate: ..... 124**

### WCCCD Approved Programs

Architectural Construction Technology  
 Automotive Body Repair  
 Automotive Service Technology  
 Aviation Mechanics (Options I and II)  
 Business Information Technology  
 Computer Information Systems  
 Criminal Justice (Both Options)  
 Dental Assisting  
 Dental Hygiene  
 Dental Laboratory Technology  
 Electrical/Electronics Technology (All Options)  
 Emergency Medical Technology  
 Emergency Room/Multi-Skilled Health Care Technology  
 Environmental and Natural Resources  
 Environmental, Health, and Safety Technology  
 Facility Maintenance  
 Fire Protection Technology  
 Food Service Systems Management  
 HVAC  
 Heavy Equipment Maintenance Technology  
 Industrial Computer Graphics Technology  
 Manufacturing Technology  
 Machine Tool  
 Numerical Control Technology  
 Medical Billing Specialist  
 Nursing  
 Occupational Therapy Assistant  
 Paralegal Technology  
 Pharmacy Technology  
 Radio/TV Technology  
 Surgical Technology  
 Respiratory Care Technology  
 Trades and Apprenticeship  
 Veterinary Technology  
 Welding Technology  
 Other programs with approval of the Program Coordinator

<sup>1</sup> Satisfies EMU's Writing Intensive requirement

<sup>2</sup> Satisfies EMU's Learning beyond the Classroom requirement

NOTE: If ninety-four credits are not transferred, additional courses must be completed at EMU to reach the minimum of 124 credit hours required to graduate.

## **TECHNOLOGY MANAGEMENT ARTICULATION AGREEMENT GUIDE**

Wayne County Community College District– Approved Technical Programs  
Eastern Michigan University – Bachelor of Science in Technology Management

### **Additional Information:**

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both MCC and EMU agree to accept transferable courses from each other and from other institutions. WCCCD courses indicated with an \* are required for EMU's Technology Management program. Substitutions for these courses must be approved by the EMU program coordinator.
2. Students with the MTA endorsement on their community college transcript have satisfied EMU's General Education Core Requirements and will be required to complete only the General Education Application Requirements of one "Perspectives on a Diverse World" course, one "Learning beyond the Classroom" experience, and a "Writing Intensive" course in the major. The Perspectives on a Diverse World requirement may be transferred to EMU.  
To use the Michigan Transfer Agreement (MTA), students must have an official community college transcript, with the "MTA Satisfied" endorsement sent to EMU's Admissions Office. Students who do not have "MTA Satisfied" on their community college transcript, will be required to satisfy EMU's general education requirements as applied to transfer students. The MTA may be completed after admission to EMU, however, students should inform their advisors or they may be advised to complete additional courses for the general education program. Students who enrolled in college prior to September 2014 will have until the end of August 2019 to complete the MACRAO agreement. If already on the transcript, the MACRAO designation will be accepted at EMU after August 2019.
3. A grade of "C" or better (2.0 on a 4.0 scale) is required for courses to transfer to either institution.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours must be completed in courses offered by EMU, with 15 hours in program requirements, at the 300-level or above. Of the last 30 hours completed before graduating, at least 10 hours must be in courses offered by EMU. A minimum of 124 credit hours, completed in-residence or accepted in transfer, is required for graduation.
5. Students must satisfy all admission requirements at the time of application for admission to EMU, including submitting transcripts from all previously attended colleges. WCCCD students will receive equal consideration with other students for course registration and financial aid.
6. Students are encouraged to contact the Technology Management Program Coordinator before applying to EMU. To facilitate advising and the evaluation of transcripts, sign up for this articulation agreement using the link [www.emich.edu/ccr/trackingsystem/Enter.php](http://www.emich.edu/ccr/trackingsystem/Enter.php), and bring a copy of this guide to all advising sessions.

### **Effective Dates: January 1, 2012 until through December 31, 2014**

This is a renewal of an agreement made in July 2005 and renewed in September 2008. Students who began this program prior to the new effective date have the option of using this agreement or continuing to follow the agreement they were already using. If this agreement is not renewed at the end of the effective period, students who already started the program will be given three additional years to be admitted to EMU under the terms of this agreement.

### **Contacts:**

**Wayne County Community College District**  
Counseling Office

**Eastern Michigan University**  
Guy Downs, Program Coordinator  
122 Sill Hall, 734.487.1161  
gdowns1@emich.edu