

**EASTERN MICHIGAN UNIVERSITY  
ARTICULATION GUIDE**

January 2012

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

**This program has been discontinued effective September 2016. Students who have already started the program at WCCCD have until September 2018 to transfer to EMU under the agreement.**

**Wayne County Community College District                      Transfers to Eastern Michigan University as:**

<b>MACRAO Requirements</b>	<b>(32 credits)</b>	<b>(32 credits)</b>	
<b>1. English Writing Requirement</b>	<b>(6 credits)</b>	<b>(6 credits)</b>	
ENG 119 English I .....	3	ENGL 120 Elective Credit.....	3
ENG 120 English II .....	3	ENGL 121 English Composition II .....	3
<b>2. Math/Science Requirement</b>	<b>(8 credits)</b>	<b>(8 credits)</b>	
* <sup>1</sup> MAT 155 College Algebra (complete at WCCCD) .....	4	MATH 105 College Algebra.....	4
Complete one course: .....	4	One course:.....	4
* CHM 105 Introductory Chemistry (4)		CHEM 117/118 Fund of Chemistry with Lab (4)	
* PHY 235 General Physics I (4)		PHY 221 Mechanics, Sound & Heat (4)	
<b>3. Social Science Requirement See note below</b>	<b>(8-9 credits)</b>	<b>(8-9 credits)</b>	
Complete one American Government course: .....	3	One course:.....	3
AAS 131; HIS 249, 250; PS 101, 104			
Complete a minimum of 5 credits from at least			
one additional discipline below: .....	5-6	Five to six credits:.....	5-6
Choose from AAS 120, 131, 140, 150, 180; GEG 202;		Courses may transfer as equivalent courses, General	
MWS 101, 103, 106, 107; WS 218; or any of the following		Education transfer credit, or general transfer credit.	
Disciplines: ANT, ECO, HIS, PS, PSY, SOC, MS			
<b>4. Humanities Requirement See note below</b>	<b>(8-9 credits)</b>	<b>(8-9 credits)</b>	
Complete a min. of 8 credits from at least two disciplines:...	8-9	Three courses: .....	8-9
Choose from ENG 228, 231, 232, 233, 234, 240, 250, 252,		Courses may transfer as equivalent courses, General	
285; AAS 175, 253; HIS 151, 152, 230, 249, 250; MUS 100,		Education transfer credit, or general transfer credit.	
101, 102, 121; MWS 102; SPH 101, 105, 111, 131, 161 or			
Any of the following disciplines: PHL, SPA, ART, CHN,			
DAN, FRE, GEM HUM, JPN,			
<sup>2</sup> <b>NOTE:</b> In completing the MACRAO requirements above, choose at least <i>one</i> course from the following to satisfy EMU's Perspectives on a Diverse World requirement: <b>Humanities:</b> AAS 175, 253; DAN 115; ENG 212, 260, 261, 266, 290, 292; HIS 152; HUM 126; MUS 104; MWS 102, PHL 101, 102; WS 218; <b>Social Science:</b> AAS 120, 131, 140, 150, 180; ANT 152, 154, 210; COR 218; GEO 202; HIS 152, 261, 262; LEA 235; MS 120; MWS 101, 103, 106, 107; PS 180, 240; SOC 230;			
<b>Technical Concentration</b>	<b>(34 credits)</b>	<b>(34 credits)</b>	
*Thirty-four (34) 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 34 credits, approved technical courses may be taken at either institution to make up the difference.....			
	34	Technical Concentration.....	34
<b>EMU requirements that may be taken at WCCCD or EMU</b>		<b>(28 credits)</b>	
* MAT 156 Trigonometry .....	4	MATH	
107 Trigonometry .....	4	One course:.....	4
Complete the course not taken for MACRAO above:.....	4	CHEM 117/118 Fund of Chemistry with Lab (4)	
* CHM 105 Introductory Chemistry (4)		PHY 221 Mechanics, Sound & Heat (4)	
* PHY 235 General Physics I (4)		PHY 222 Electricity & Light .....	4
* PHYS 245 General Physics II.....	4	University Electives .....	16
Open Electives (not to exceed 94 credits at WCCCD).....	16		
<b>Credits at WCCCD .....</b>	<b>94</b>	<b>Credits that transfer to EMU .....</b>	<b>94</b>

\* Required for EMU's Applied Technology program.

<sup>1</sup> If completed at WCCCD, MAT 155 satisfies EMU's Quantitative Reasoning Requirement. If completed at EMU, MATH 110 is required unless

**EASTERN MICHIGAN UNIVERSITY  
ARTICULATION GUIDE**

January 2012

MATH 104 or its equivalent has been completed with a "C" or better, in which case any approved QR course may be completed to satisfy the requirement.

<sup>2</sup> Satisfies EMU's Perspectives on a Diverse World requirement.

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 list of approved programs.

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<p><b><u>Completion of EMU's Applied Technology Program</u></b></p> <p><b>Major Requirements (24 credits)</b>          SET 350W Applied technical Writing ..... 3          ** Restricted Electives (see list below)..... 6          Select six hours at the 100 to 400-level in consultation with an Applied Technology program adviser.          ** Restricted Electives (see list below)..... 15          Select fifteen hours of restricted electives at the 300- 400-level in consultation with an Applied Technology program adviser.</p> <p><b>Additional Requirement (0-3 credits)</b>          One LBC course or noncredit experience must be completed. MFG 387 Coop in Manufacturing Technology satisfies the LBC requirement. Or see the program advisor for more options.</p> <p><b>University Electives (3-6 credits)</b>          To bring the program total to 124 credits ..... 3-6</p> <p><b>Minimum Credits at EMU:..... 30</b>  <b>Minimum Credits to Graduate ..... 124</b></p> <p><b>On-line Applied Technology Restricted Electives</b>          EMU offers Applied Technology Program coursework on-line. Such courses will include the Restricted Electives for the major and additional university electives appropriate for this program. University electives may include courses from the School of Engineering Technology or any other department at EMU. Contact the program coordinator for a current list of online courses that may be used for this program.</p>	<p><b>Wayne County Community College District Approved Technical Programs/Disciplines</b></p> <ul style="list-style-type: none"> <li>Alternative Fuels Technology</li> <li>Architectural Construction Technology</li> <li>Automotive Body Repair</li> <li>Automotive Service Technology</li> <li>Aviation Mechanics (Airframe Option)</li> <li>Aviation Mechanics (Powerplant Option)</li> <li>Computer Information Systems</li> <li>Electrical/Electronics Technology (E/E)             <ul style="list-style-type: none"> <li>• E/E-Computer Technology</li> <li>• E/E-Electronics Engineering Technology</li> <li>• E/E-Industrial Electronics and Technology</li> <li>• E/E-Telecommunications Technology</li> </ul> </li> <li>Facility Maintenance</li> <li>Geothermal Systems Technology</li> <li>Heating, Ventilation and Air Conditioning</li> <li>Heavy Equipment Maintenance Technology</li> <li>Industrial Computer Graphics Technology</li> <li>Logistics Management</li> <li>Manufacturing Technology/Numerical Control</li> <li>Machine Tool Technology</li> <li>Numerical Control Technology</li> <li>Pre-Apprenticeship</li> <li>Radio/TV Technology</li> <li>Sustainable Environmental Design</li> <li>Trades and Apprenticeship Program</li> <li>Water &amp; Environmental Technology</li> <li>Welding Technology</li> <li>General Studies with any discipline above</li> <li>Other programs with approval of Program Coordinator</li> </ul>
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\*\* All restricted electives must be approved by the Applied Technology Program Advisor.

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January 2012

**Wayne County Community College District – Approved Technical Programs  
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**Additional Information:**

1. In completing the coordinated program of study for this articulation agreement, course substitutions should be made with the guidance of the advisers (indicated below) at both institutions to assure that all requirements are satisfied. Each institution will determine the satisfaction of their individual program and degree requirements. WCCCD courses indicated with an \* are required for EMU's Applied Technology Program.
2. Students whose transcripts are endorsed as "MACRAO Satisfied" will only be required to meet three of EMU's general education requirements, noted on the articulation guide and listed below. These requirements may be completed at the most appropriate time for the student whether before or after admission to EMU:
  - a) an approved course in Quantitative Reasoning: [MAT 155 at WCCCD]
  - b) an approved course in Global Awareness or US Diversity: *Humanities*: AAS 175, 253; DAN 115; ENG 212, 260, 261, 266, 290, 292; HIS 152; HUM 126; MUS 104; MWS 102, PHL 101, 102; *Social Science*: AAS 120, 131, 140, 150, 180; ANT 152, 154, 210; COR 218; GEO 202; HIS 152, 261, 262; LEA 235; MS 120; MWS 101, 103, 106, 107; PS 160; SOC 230; WS 218; at WCCCD]
  - c) an approved Learning Beyond the Classroom course or experience offered by EMU. [MFG 387]

*To use MACRAO, students must request that an official community college transcript, with the "MACRAO Satisfied" stamp, be sent to EMU's Admissions Office. Students, who do not have "MACRAO Satisfied" on their community college transcript, will be required to satisfy EMU's general education requirements as listed in the Undergraduate Catalog. The MACRAO stamp may be completed after admission to EMU; however, students should inform advisors at EMU that they intend to complete MACRAO, or they may be advised to complete additional courses for the general education program.*
3. Only courses with a grade of "C" or better (2.0 on a 4.0 scale) will be accepted for transfer to EMU.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours must be completed at EMU, 15 hours of which must be in program requirements at the 300-level or above. Of the last 30 hours completed before graduating, a minimum of 10 credit 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 meet 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 Applied Technology Program Coordinator early, before applying to EMU. To facilitate the evaluation of transcripts, students should indicate they are using this articulation guide on their EMU application and bring a copy to all advising sessions. Copies of the articulation guide are available on EMU's webpage at [www.emich.edu/ccr/artguide.php](http://www.emich.edu/ccr/artguide.php).

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

This is a renewal of an agreement made in September 2003 and renewed in September 2007. 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 are currently 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 the agreement.

**Contacts:**

**Wayne County Community College District**  
Counseling Office

**Eastern Michigan University**  
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