

**EASTERN MICHIGAN UNIVERSITY  
ARTICULATION GUIDE**

September 2007

**Henry Ford Community College – Approved Technical Programs  
Eastern Michigan University – Bachelor of Science in Applied Technology**

**Henry Ford Community College**

**Eastern Michigan University**

<b>MACRAO Requirements#</b>	<b>(33 credits)</b>	<b>(33 credits)</b>
1. English Writing Requirement	(6 credits)	(6 credits)
ENG 131 English Composition .....	3	ENGL 120 English Composition I (University Elective) .
ENG 132 English Composition, Continued .....	3	ENGL 121 English Composition II .....
2. Math/Science Requirement	(9 credits)	(9 credits)
*CHEM 131 Principles of Chemistry.....	4	CHEM 117&118 Fund of Chemistry.....
<sup>1</sup> * MATH 115 College Algebra (complete at HFCC).....	5	MATH 105 College Algebra (3)+ 2.....
3. Humanities Requirement	(9 credits)	(9 credits)
Complete three courses: <i>See note below</i> .....	9	Three courses: .....
Choose from courses approved by HFCC to satisfy		Courses may transfer as equivalent courses, General
The MACRAO humanities requirement.		Education transfer credit, or general transfer credit.
4. Social Science Requirement	(9 credits)	(9 credits)
Complete three courses: <i>See note below</i> .....	9	Three courses: .....
Choose from courses approved by HFCC to satisfy		Courses may transfer as equivalent courses, General
The MACRAO social science requirement.		Education transfer credit, or general transfer credit.
<i>NOTE: In completing the Humanities and Social Science requirements above, choose courses that will also satisfy the following requirements at HFCC and EMU:</i>		
<i>For HFCC's American Society, Events, Institutions and Cultures requirement choose at least one course from the following: ENG 235, 236; CRJ 131; HIST 151, 152; POLS 131; SOC 131; or SSC 131.</i>		
<i><sup>1</sup> For EMU's Global Awareness/US Diversity requirement choose at least one course from the following: ANTH 131, 152; ART 224; ENG 243, 248; GEOG 132; HIST113, 225, 255, 257; POLS 153; SOC 152, 251; or WR 131.</i>		
<b>HFCC Technical Concentration</b>	<b>(34 credits)</b>	<b>(34 credits)</b>
Thirty-four (34) credits in technical courses from an approved HFCC program/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>HFCC Graduation Requirement</b>	<b>(0-3 Credits)</b>	<b>(0-3 Credits)</b>
Satisfy Computer Literacy Requirement.....	0-3	University Elective.....
		0-3
<b>EMU Requirements that May be Taken at HFCC or EMU</b>		<b>(24-27 Credits)</b>
*MATH 112 Trigonometry .....	3	MATH 107 Plane Trigonometry (2) + 1.....
* Complete one Physics sequence.....	0-8	Required Physics sequence.....
PHYS 131 Liberal Arts Physics (4) and		PHY 221 Mechanics, Sound & Heat (4)
PHYS 132 Liberal Arts Physics, Cont. (4)		PHY 222 Electricity & Light (4)
OR		OR
PHYS 120 Technical Physics (4)		Satisfies program requirement (No EMU credit) (0)
PHYS 121 Technical Physics, Cont. (4)		Satisfies program requirement (No EMU credit) (0)
Open Electives (not to exceed 94 credits at HFCC)....	13-24	University Electives .....
		13-24
<b>Maximum Credits at HFCC:.....</b>	<b>94</b>	<b>Maximum Credits that transfer to EMU .....</b>
		<b>94</b>

*# These courses meet MACRAO (Michigan Association of Registrars and Admissions Officers) requirements and two of the three additional EMU General Education requirements. Students must apply for a MACRAO endorsed transcript.*

*\* Required for EMU's Applied Technology program.*

*<sup>1</sup> Meets one of EMU's three General Education requirements in addition to MACRAO. MATH 115 must be completed at HFCC to satisfy EMU's quantitative reasoning requirement. If completed at EMU, MATH 110 will also be required.*

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

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**Completion of the Applied Technology Program at  
EMU**

<b>Major Requirements</b>	<b>(24 credits)</b>
SET 350W Applied Technical Writing .....	3
** Restricted Electives .....	6
Select six hours at the 100 to 400-level in consultation With an Applied Technology program adviser.	
** Restricted Electives .....	15
Select fifteen hours of restricted electives at the 300- 400-level in consultation with an Applied Technology program adviser.	
<b>Additional Requirement</b>	<b>(0-3 credits)</b>
<sup>1</sup> One LBC course or noncredit experience must be completed. MFG 387 Coop in Manufacturing Technology satisfies the LBC requirement.	
<b>University Electives</b>	<b>(3-6)</b>
Enough electives to bring the program total to 124 credits.....	3-6
<b>Minimum Credits at EMU: .....</b>	<b>30</b>
<b>Minimum Credits Required to Graduate .....</b>	<b>124</b>

<sup>1</sup> Meets one of EMU's three General Education requirements in addition to MACRAO.

\*\* All restricted electives must be approved by an Applied Technology Program Advisor.

**Henry Ford Community College Approved Programs**

- |   |  |
|---|--|
| Analog Electronics                              | Industrial Drafting & CAD Technology   |
| Architectural/Construction Technology           | Interior Design  |
| Automation Controls                             | Manufacturing and Plant Maintenance Trades   |
| Automotive Service                              | Manufacturing Productivity Systems (MET & CNC)   |
| Automotive Technology                           | Materials Joining and Fabrication (All Options)  |
| Building Construction Trades                    | Network Administration   |
| Computer Numerical Control (Basic and Advanced) | Power/Building Engineer  |
| Computer Information Systems                    | Telecommunication  |
| Computer Networking Academy                     | General Studies Degree with 34 technical credits in<br>any of the approved program disciplines above |
| Digital Electronics                             | Other programs may be used with approval of the<br>Program Coordinator                               |
| Electrical/Electronics Technology               |  |
| Energy Technology                               |  |
| Graphic Design                                  |  |

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**Additional Information:**

1. In completing the coordinated program of study for the approved technical program at HFCC and the Applied Technology program at EMU, course substitutions should be made with the guidance of the advisors at both institutions to assure that all requirements are satisfied. 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 EMU's three general education requirements, noted with a "1" 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: [MATH 115 at HFCC]
  - b) an approved course in Global Awareness or US Diversity: [ANTH 131, 152; ART 224; ENG 243, 248; GEOG 132; HIST113, 225, 255, 257; POLS 153; SOC 152, 251; or WR 131 at HFCC]
  - c) an approved Learning Beyond the Classroom course or experience offered by EMU. [MFG 387 or other approved option at EMU]

*To use MACRAO, students should request a MACRAO evaluation of their transcript from the HFCC Registration and Records Office. Students who do not satisfy MACRAO will have to satisfy EMU's general education requirements as listed in the Undergraduate Catalog.*

3. Only courses with a grade of 2.0 or better (on a 4.0 scale) will be accepted for transfer to EMU. A course completed with a grade of less than 2.0, even though it is counted toward graduation at the community college and used to satisfy MACRAO, will not transfer.
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. HFCC 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 before applying to EMU. To facilitate the evaluation of transcripts, students should enclose a copy of this articulation guide with their EMU admission 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.htm](http://www.emich.edu/ccr/artguide.htm).

**Effective Dates: September 1, 2007 until September 1, 2010.** This agreement replaces an agreement made in May 2003 and all subsequent updates. Students who began this program prior to fall 2007 have the option of using this agreement or following the agreement in place when they started. 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:**

**Henry Ford Community College**  
Counseling Office  
Rm. 117 Learning Resources Center

**Eastern Michigan University**  
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