**HFCC Technical Concentration (34 credits)**

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

**HFCC Graduation Requirement (0-3 Credits)**

Satisfy Computer Literacy Requirement 0-3 University Elective 0-3

**EMU Requirements that May Be Taken at HFCC or EMU (24-29 Credits)**

<table>
<thead>
<tr>
<th>HFCC Requirement</th>
<th>University Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MATH 112 Trigonometry</td>
<td>MATH 107 Plane Trigonometry (2) + 1</td>
</tr>
<tr>
<td>Complete one Physics sequence</td>
<td>Required Physics sequence 0-8</td>
</tr>
<tr>
<td>PHYS 131 Liberal Arts Physics (4) and</td>
<td>PHY 221 Mechanics, Sound &amp; Heat (4)</td>
</tr>
<tr>
<td>PHYS 132 Liberal Arts Physics, Cont. (4)</td>
<td>PHY 222 Electricity &amp; Light (4)</td>
</tr>
<tr>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td>PHYS 120 Technical Physics</td>
<td>Satisfies program requirement (No EMU credit) 0</td>
</tr>
<tr>
<td>PHYS 121 Technical Physics, Cont. (4)</td>
<td>Satisfies program requirement (No EMU credit) 0</td>
</tr>
<tr>
<td>Open Electives (not to exceed 94 credits at HFCC... C)...13-26</td>
<td>University Electives 13-26</td>
</tr>
</tbody>
</table>

**Maximum Credits at HFCC:***********************94 Maximum Credits that transfer to EMU... 94**

* These courses meet MACRAO (Michigan Association of Registrars and Admissions Officers) requirements and two of the three additional

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**Note:** In completing the Humanities and Social Science requirements above, choose courses that will also satisfy the following requirements at HFCC and EMU:

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.

For EMU’s Global Awareness/US Diversity requirement choose at least one course from the following: Humanities: ART 224; ENG 243, 248; WR 131, 233. Social Science: ANTH 131, 152, 154; GEOG 132; HIST 112, 113, 225, 255, 257; POLS 152; SOC 152, 251.
EMU General Education requirements. Students must apply for a MACRAO endorsed transcript.

* Required for EMU’s Applied Technology program

1 MATH 115 must be completed at HFCC to satisfy EMU’s quantitative reasoning requirement. If completed at EMU, MATH 110 will also be required, unless intermediate algebra has been completed with a “C” or higher, or if waived by ACT/SAT or math placement score.

2 Satisfies EMU’s Perspectives on a Diverse World requirement

Note: 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.
**Completion of EMU’s Applied Technology Program**

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>(24 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SET 350W Applied technical Writing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Restricted Electives</strong></td>
<td>6</td>
</tr>
<tr>
<td>Select six hours at the 100 to 400-level in consultation with an Applied Technology program advisor.</td>
<td></td>
</tr>
<tr>
<td><strong>Restricted Electives</strong></td>
<td>15</td>
</tr>
<tr>
<td>Select fifteen hours of restricted electives at the 300-400-level in consultation with an Applied Technology program advisor.</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Requirement**

<table>
<thead>
<tr>
<th>(0-3 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>One LBC course or noncredit experience must be completed. MFG 387 Coop in Manufacturing Technology satisfies the LBC requirement.</td>
</tr>
</tbody>
</table>

**University Electives**

<table>
<thead>
<tr>
<th>(3-6 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>To bring the program total to 124 credits.</td>
</tr>
</tbody>
</table>

**Minimum Credits at EMU:**

| 30 |

**Minimum Credits to Graduate:**

| 124 |

**On-line Applied Technology Restricted Electives**

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.

**Approved HFCC Programs/Disciplines**

- Architectural/Construction Technology
- Automotive Service (ASSET)
- Automotive Technology
- Building Construction Trades
- CAD-CAM Technology
- CAD Technology-Industrial Drafting
- Computer Information Systems (CIS)
- CIS-Information Assurance
- CIS-Network Administration
- Computer Numerical Control (CNC)
- CNC-Manufacturing Productivity Systems
- Electrical Technology
- Energy Technology-Alternative Energy
- Energy Technology-HVAC
- Energy Technology-Power/Building Engineer
- Graphic Design
- Interior Design
- Manufacturing Trades
- Multi-Skilled Manufac Maintenance Technician
- Multi-Skilled Manufac Maintenance (Mechatronic)
- Telecommunication
- General Studies Degree with 34 technical credits in any of the approved program disciplines above
- Other programs may be used with approval of the Applied Technology Program Coordinator.

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

**NOTE:** If ninety-four credits are not transferred from the community college, additional electives must be completed at EMU to reach the minimum of 124 credit hours required to graduate.
Additional Information:

1. In completing the coordinated program of study for this articulation agreement, course substitutions should be made with the guidance of the advisors (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. HFCC 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: [MATH 115 at HFCC]
   b) an approved course in Global Awareness or US Diversity: [Humanities: ART 224; ENG 243, 248; WR 131, 233. Social Science: ANTH 131, 152, 154; GEOG 132; HIST 112, 113, 225, 255, 257; POLS 152; SOC 152, 251 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 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 2.0 or better (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 satisfy 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 early, before applying to EMU. To facilitate the evaluation of transcripts, students should indicate they are using this articulation agreement on their EMU admission application and bring a copy to all advising sessions. Copies of the articulation guide are available at www.emich.edu/ccr/artguide.php

Effective Dates: September 1, 2010 until August 31, 2013. This is a renewal of an agreement made in May 2003 and renewed in September 2007. Students who began this program prior to the new effective date have the option of changing to 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.

Advisors:

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

Eastern Michigan University
Applied Technology Program
118 Sill Hall, 734.487.2040
philip.rufe@emich.edu