

# EASTERN MICHIGAN UNIVERSITY

## ARTICULATION GUIDE

October 2004

### Monroe County Community College – AAS in an Approved Technical Program Eastern Michigan University – Bachelor of Science in Technology Management

#### Purpose:

**Bring a copy of this articulation agreement to all advising sessions.**

This 3 + 1 articulation agreement was developed to provide a smooth curriculum transition for students who choose to earn an Associate Degree in an approved technical program from Monroe County Community College and transfer to EMU to earn a Bachelor of Science in Technology Management. This agreement is designed to minimize loss of credit and duplication of coursework when transferring. In addition, students are provided with the convenience of completing up to 94 credits of the program at the community college if desired.

1. Complete an approved technical program or 46 credits in an approved technical discipline and the courses specified on the attached articulation guide at MCCC and complete the coordinated program of study for the Bachelor of Science in Technology Management at Eastern Michigan University. Any course substitutions should be made with the guidance of an advisor or counselor to assure that all requirements are met.
2. Satisfy the requirements of the MACRAO agreement as indicated on the attached articulation guide. Students whose transcripts are endorsed as “MACRAO Satisfied” by the community college will only be required to meet EMU’s additional four general education requirements:
  - a) a course in advanced composition, advanced speech, or a foreign language [ENGL 155 at MCCC] or ENGL 324 at EMU]
  - b) a course in mathematical reasoning [MATH 118 at EMU]
  - c) a cross-cultural course [ENGL 255 at MCCC]
  - d) a course in computer literacy [CIS 130 at MCCC] or [INDT 201 at EMU]

All four requirements are indicated on the attached articulation guide with a “1”. Substitutions for these courses must be from the EMU list of approved general education courses and must be approved by the EMU Technology Management program advisor. Students who do not satisfy MACRAO will have to complete all of EMU’s general education requirements.

3. Only courses with a grade of “C” or better (2.0 on a 4.0 scale) will be accepted for transfer to EMU. A course completed with a grade of less than 2.0, which is counted toward graduation at MCCC College, may be used to satisfy the MACRAO requirements. However, the course will not transfer and will have to be repeated if it is a requirement of the Management Technology program at EMU.
4. Under this agreement EMU will waive the 60-hour rule and require only that a minimum of 30 credit hours must be completed at EMU, 21 hours of which must be in the major with 15 hours at the 300/400 level. Of the last 30 semester hours prior to the granting of a bachelor’s degree, at least 10 hours must be completed in courses offered by EMU. A minimum of 124 credit hours, completed in-residence or accepted in transfer, is required for graduation.
5. A minimum cumulative grade point average (GPA) of 2.0 is required for admission to EMU. Students must meet all admission requirements at the time of application to EMU, including submitting transcripts from all previously attended colleges.
6. Students interested in transferring to EMU should contact the EMU Technology Management Program Coordinator early, before completing an admission application to EMU. To facilitate the evaluation of transfer credit, students should include a copy of the articulation guide in their application and bring a copy of the articulation guide to all advising sessions.
7. When applying to EMU, an official transcript from MCCC College, stamped “MACRAO Satisfied”, must be sent to EMU’s Office of Records and Registration. Students must request a MACRAO evaluation of their transcripts in the MCCC Registrar’s Office.

**Effective Dates:** This articulation agreement is effective as of November 1, 2004 until November 1, 2007. If the agreement is not renewed, students who started this program before its termination have three additional years to be admitted to EMU under the terms of the agreement. Students should check with an advisor each semester to find out if there are changes to the curriculum at either school. Students who began the MCCC Technical Program prior to the effective date, may use the agreement to the extent that the program requirements completed are consistent with this agreement.

#### Contacts:

##### Monroe County Community College

Paul Schmidt, Registrar  
734-384-4230, pschmidt@monroecc.edu

Admissions and Guidance Office  
734-384-4104

##### Eastern Michigan University

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**Monroe County Community College/EMU Technology Management**

<b>Monroe County Community College Courses:</b>	<b>Transfer to EMU as:</b>
<b>MACRAO Requirements (32-34 Credits)</b>	<b>(32 Credits)</b>
<b>1. English Writing Requirement (6 credits)</b> ENGL 151 English Composition I ..... 3 ENGL 152 English Composition II ..... 3 <b>2. Math/science Requirements (8 Credits)</b> MATH 151 Intermediate Algebra..... 4 Complete one course:..... 4 CHEM 150 Fundamental Principles of Chemistry (4) PHY 151 General Physics I (4) <b>3. Social science Requirements (9 Credits)</b> ECON 251 Principles of Economics I..... 3 *ECON 252 Principles of Economics II..... 3 Complete one course:..... 3 POLS 101 American Institutions (3) POLS 151 Introduction to Political Science (3) <b>4. Humanities Requirements (9-11 Credits from at least two disciplines)</b> * <sup>1</sup> ENGL 255 Women's Writing ..... 3 *Complete two courses: ..... 6-8 ART 151, 155, 160, 180, 280, 281; ENGL 251, 252, 253; FREN/SPAN 251, 252; GERM 251, 252; HUMA 151; PHIL 151, 152, 253; SPCH 151, 152; THEA 151, 251	ENGL 120 Composition I (Elective credit)..... 3 ENGL 121 Composition II ..... 3  MATH 104 Intermediate Algebra (3) +1 (Elective credit)... 4 One course: ..... 3 CHEM 117/118 Fundamentals of Chemistry w/ Lab .4 PHY 221 Mechanics, Sound, and Heat ..... 4  ECON 201 Principles of Macroeconomics ..... 3 ECON 202 Principles of Microeconomics ..... 3 One course: ..... 3 PLSC 112 American Government PLSC 112 American Government  LITR BASX Basic Studies Cross-Cultural ..... 3 Two courses ..... 6-8 Credit will transfer as an equivalent course or Basic Studies transfer credit or general transfer credit
<b>Technical Concentration (46 credits)</b>	<b>(46 credits)</b>
A maximum of 46 credits in technical courses from an approved MCCC program may be transferred as a block to EMU for the technical concentration. If the program has less than 46 technical credits, related technical courses may be taken at either institution to make up the difference..... 46	Technical Concentration ..... 46
<b>Credit at MCCC College: ..... 78-80</b>	<b>Credits that transfer to EMU ..... 78-80</b>

**Additional Courses That May be Taken at MCCC or EMU: (up to 16 credits)**

*Students may select up to a maximum of 15 credits from the courses listed below to transfer to EMU for the Technology Management Program; or these courses may be completed at EMU. A minimum of 30 credits must be completed at EMU.*

<sup>1</sup> ENG 155 Technical Writing..... 3 HPE 150 Personal Health..... 2 <sup>1</sup> CIS 130 Intro to Comp Info System..... 3 <sup>2</sup> Choose two courses from the following..... 6-7 ACCT 151 Accounting Principles (3) ACCT 152 Accounting Principles (3) BSLW 251 Business Law (4) Open Electives: ..... 0-2 Students may complete enough electives to bring the total at MCCC up to 94 credits.	ENG 324 Principles of Technical Communication..... 3 PEGN 210 Lifetime Wellness and Fitness ..... 2 INDT 201 Microcomp App in Technology ..... 3 <sup>2</sup> Two courses: (Technology Management Electives):..... 6 ACC 240 Principles of Financial Accounting (3) ACC 241 Principles of Managerial Accounting (3) LAW 293 Legal Environment of Business (3) University Electives: ..... 0-2 Students may complete enough electives to bring the total at EMU up to 124 credits.
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**Maximum Credits at MCCC: ..... 94      Maximum Credits that transfer to EMU ..... 94**

\*These courses are not required for Monroe's program, but must be included on the community college transcript to satisfy MACRAO.  
<sup>1</sup> Meets one of EMU's four additional general education requirements in addition to MACRAO.  
<sup>2</sup> Additional EMU courses to choose from are ACC130 or any other course from the list of Technology Management 300/400 Electives on the following page.  
 NOTE: If a MCCC course has more credits than the EMU equivalent course, the additional credits may be included in the program total as general transfer credit.

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**Completion of Technology Management Curriculum at EMU**

**Additional Requirements (9 credits)**

INDT 150 Understanding Technology.....	3
<sup>1</sup> MATH 118 Linear Models and Probability .....	3
MATH 119 Applied Calculus.....	3

**Major Requirements (21-24 credits)**

**Core Courses (15 credits)**

INDT 130 Intro to Technology Management.....	3
INDT 212 Management of Technical Change.....	3
INDT 311 Information Technology Mgmt & Orgs.....	3
INDT 314 Socio-technical Systems Approach to Proc.....	3
INDT 415 Senior Seminar in Technology Mgmt .....	3

**Technology Management 300/400 Electives(6-9 credits)**

Choose two or three courses from the following: ..... 9

LAW 403	Employment Law (3)
FIN 350	Principles of Finance (3)
FIN 358	Analysis of Financial Statements (3)
MKTG 360	Principles of Marketing (3)
MKTG 369	Advertising (3)
MKTG 473	Marketing and Product Innovation (3)
MGMT 384	Human Resource Management (3)
MGMT 386	Organizational Behavior & Theory (3)
MGMT 480	Management Responsibility & Ethics (3)
INDT 387	Cooperative Education (3)

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

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

**Suggested Sequence for completing the Program:**

*(The microcomputer applications course must be completed before beginning this sequence. (CIS 130 at MCCC or INDT 201 at EMU)*

**Fall Semester (15 credits)**

<sup>1</sup> MATH 118 Linear Models and Probability .....	3
INDT 150 Understanding Technology .....	3
INDT 130 Intro to Technology Management.....	3
INDT 212 Management of Technical Change .....	3
INDT 314 Socio-technical Systems Approach to Proc.....	3

**Winter Semester (15 credits)**

MATH 119 Applied Calculus .....	3
INDT 311 Information Technology Mgmt & Orgs.....	3
INDT 415 Senior Seminar in Technology Mgmt .....	3
Technology Management Electives .....	6-9

<sup>1</sup> Meets one of EMU's four additional general education requirements in addition to MACRAO.

**Approved Technical Programs at MCCC College**

Automotive Engineering Technology  
Computer Information Systems:  
    Accounting/CIS  
    Computer Programming  
    Computer Science  
    Internet Professional  
    Microcomputer specialist  
    Network specialist  
    PC support Technician  
Construction Management Technology  
Criminal Justice  
Culinary Skills and Management  
Electrical Line Design  
Electronics and Computer Technology  
General Technology

Industrial Electricity / Electronics  
Industrial Management  
Manufacturing Technology  
Mechanical Design Technology  
Mechanical Engineering Technology  
Metrology Technology  
Nursing, Registered  
Respiratory Therapy  
Quality systems Technology  
Welding Technology