

EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE

September 2005

Delta College – Associate Degree 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 agreement was developed to provide a smooth curriculum transition for students who want to earn an associate degree in an approved technical program from Delta College and transfer to EMU to earn a Bachelor of Science in Technology Management. The agreement is designed to minimize loss of credits and duplication of coursework in transferring. In addition, students may complete up to 94 credits of the program at the community college if desired.

Requirements:

1. Complete an approved technical program or 46 hours in an approved technical discipline at Delta College and the coordinated program of study for the Technology Management program at EMU as indicated in this articulation guide. Any course substitutions should be made with the guidance of an advisor or counselor to assure that all requirements are met.
2. 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, indicated on the attached articulation guide with a “1” and listed below:
 - a) A course in advanced written composition, advanced speech, or a foreign language, [ENG 113 at Delta] or [ENGL 324 at EMU]
 - b) A course in mathematical reasoning [MTH 120 at Delta]
 - c) A cross-cultural course [LIT 228, 229, 260, 269, 274, 277, 278, or 285 at Delta]
 - d) A course in computer literacy [INDT150 or INDT 201 at EMU].

To use MACRAO, students should request a MACRAO evaluation of their transcript in the Community College Student Records or Registrar’s Office. 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 the community college, may be used to satisfy MACRAO. However, the course will not transfer and will have to be repeated if it is a program requirement 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 taken at EMU, 21 hours of which must be in the major/program with 15 hours at the 300/400 level. A minimum of 124 credit hours, completed in-residence or accepted in transfer, is required for graduation.
5. Students must meet course and grade point average requirements at the time of application for admission to EMU including submitting transcripts from all previously attended colleges. Delta graduates will receive equal consideration with others seeking admission or financial aid. Students interested in transferring to EMU should meet with the EMU Technology Management program advisor early, before completing an admission application to EMU. A copy of the articulation guide (available on EMU’s website) should be taken to all advising sessions.

Effective Dates: September 15, 2005 until September 15, 2008. If this agreement is not renewed at the end of the effective period, students who already started this articulated program will be given three additional years to be admitted to EMU under the terms of this agreement. Students who began the program at Delta prior to the effective date may use the agreement to the extent that the requirements completed are consistent.

Contacts:

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Delta College - Technology Management

Delta College:

Eastern Michigan University:

MACRAO Requirements (33-34 credits)	(33-34 credits)
<p>1. English Writing Requirement (6 credits) ENG 111 College Composition I 3 ENG 112 College Composition II 3</p> <p>2. Math/Science Requirement (7-8 credits) ¹MTH 120 Finite Mathematics 3 Choose one course: 4-5 BIO 171 Integrated General Biology I (4) CHM 101 General Chemistry I (5) CHM 107 Chemistry for Engineering Tech (4) CHM 111H General & Inorganic Chem I (4) PHY 111 General Physics I (4) PHY 211 Physics I (5)</p> <p>3. Social Science Requirement (11 credits) ECN 221 Principles of Economics I 4 ECN 222 Principles of Economics II 4 Choose one course: 3 POL 103 Intro to American Government (3) POL 111 American Government & Politics (3)</p> <p>4. Humanities Requirement (9 credits) Choose one course: 3 SPH 112 Fund. of Oral Communication (3) SPH 114 Interpersonal Communications (3) ¹Choose one course: 3 LIT 228, 229, 260, 269, 274, 277, 278, or 285 Choose one courses 3 ART 105, 111, 115, 151, 152; LIT 220, 221, 222, 223, 224, 226, 227, 241, 242, 245, 246, 251, 271, 272, 276, 283; FR/SPA 211, 212; MUS 100, 111, 112; PHL 203, 205, 211, 213, 214, 221, 230, 240, 250, 255, 260 any transfer course approved by Delta for the MACRAO humanities requirement</p>	<p>(6 credits) ENGL 120 English Composition I 3 ENGL 121 English Composition II 3</p> <p>(7-8 credits) MATH 118 Linear Models and Probability 3 One course: 4-5 BIOL 110 Introductory Biology (4) CHEM 117/118 Fund of Chemistry with lab (4) + 1 CHEM 117/118 Fund of Chemistry with lab (4) CHEM 121/122 Gen Chemistry I with Lab (4) PHY 221 Mechanics, Sound & Heat (4) PHY 223 Mechanics, Sound & Heat (5)</p> <p>(11 credits) ECON 201 Principles of Macroeconomics (3) + 1 4 ECON 202 Principles of Microeconomics (3) + 1 4 One course: 3 PLSC 112 American Government (3) PLSC 112 American Government (3)</p> <p>(9 credits) One course: 3 CTAS 121 Fundamentals of Speech (2) +1 CTAC 227 Interpersonal Communication (3) One course: 3 LITR BASX General Education Cross-cultural One course 3 Courses will transfer as equivalent courses or general education transfer courses (BAS) or general transfer credit (000) or (AACR)</p>
Additional Graduation Requirement (2 credits)	(2 credits)
LW 220 Lifetime Wellness + any approved LW course.... 2	PEGN 210 Lifetime Wellness & Fitness 2
Technical Concentration (46 credits)	(46 credits)
<p>A maximum of 46 credits in technical courses from an approved Delta program may be transferred as a block 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</p> <p style="text-align: right;">Technical Concentration 46</p>	
Courses that May be Taken at Delta or EMU	(12-13 Credits)
<p>¹ENG 113 Technical Communication 3 ²Restricted Technology Management Electives 3-4 <i>Students may choose to take one of the following courses at Delta College to be applied toward the minimum of 12 credits of Technology Management Electives, or may complete all 12 credits at EMU from the Technology Management Electives listed on page 3.</i> ACC 211 Principles of Accounting I (4) ACC 212 Principles of Accounting II (4) MGT 251 Business Law I (3) Open Electives (not to exceed 94 credits at Delta) 5-7</p>	<p>ENGL 324 Principles of Technical Communication 3 Restricted Technology Management Electives 3-4 ACC 240 Principles of Financial Accounting (3) +1 ACC 241 Principles of Managerial Accounting (3) +1 LAW 293 Legal Environment of Business (3) University Electives 5-7</p>
Maximum Credits at Delta College:.....94	Maximum Credits that transfer to EMU 94

¹ Meets one of EMU's four requirements in addition to MACRAO. See Article II, #2 on page one for more information.

² A minimum of 12 credits of Technology Management Electives are required. One course may be completed at the community college toward that requirement.

NOTE: If a Delta course has more credits than the EMU equivalent course, the additional credits will be included in the program total as general transfer credit.

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Additional Requirements (6 credits)

- ¹INDT 201 Microcomputer Applications in Technology3
- ¹INDT 150 Understanding Technology.....3

Major Requirements (24 credits)

Core Courses (15 credits)

- INDT 130 Intro to Technology Management.....3
- INDT 212 Management of Technological Change.....3
- INDT 311 Information Technology Mgmt & Orgs.....3
- INDT 314 Socio-technical Systems Approach to Proc.....3
- INDT 415 Senior Seminar in Technology Mgmt3

Technology Management Electives (9 credits)

Choose from below:9

A minimum of 12 credits from the following must be completed, 3 credits may be taken at Delta. At least 2 courses must be at the 300/400 level.

- ACC 130 Accounting for Non-business Majors (3)
- ACC 240 Principles of Financial Accounting (3)
- ACC 241 Principles of Managerial Accounting (3)
- LAW 293 Legal Environment of Business (3)
- 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

Approved Technical Programs at Delta

- Accounting
- Architectural Technology
- Automotive Service Education Program
- Automotive Service Technology
- Automotive Technical Service Education Program
- Aviation Flight Technology
- Chemical Processing Technology
- Chemical Technology
- Computer Marketing
- Computer Science and Information Technology – All
- Construction Management
- Criminal Justice (all)
- Dental Assisting
- Dental Hygiene
- Diagnostic Medical Sonography
- Dual Degrees (all)
- Electronic Media/EMB
- Electronic Media/Graphic Design
- Environmental Technology
- Fire Science
- Industrial Technology Education
- Interior Design
- Legal Support Professional Management
- Management/Subsequent Degree
- Manufacturing & Industrial Technology
- Mechanical Engineering Technology
- Medical Office Professions
- Nursing (ADN)
- Nursing RN Transition Track
- Office Professions
- Physical Therapist Assistant
- Radiography
- Refrigeration/Heating, Air Conditioning Service Tech.
- Residential Construction
- Respiratory Care
- Skilled Trades (Apprenticeship)
- Surgical Technology
- Water Environment Technology
- Welding Engineering Technology