

EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE

March 2010
Updated: January 2011

Alpena Community College – Approved Technical Programs
Eastern Michigan University – Bachelor of Science in Technology Management

Alpena Community College

Eastern Michigan University

MACRAO Requirements	(32-33 credits)	(32-33 credits)
1. English Writing Requirement	(6 credits)	(6 credits)
ENG 111 English (or ENG 121)	3	ENGL 120 Composition I.....3
ENG 112 English (or ENG 122)	3	ENGL 121 Composition II.....3
2. Math/Science Requirement	(8-9 credits)	(8-9 credits)
MTH 113 Intermediate Algebra	4	MTH 104 Intermediate Algebra (Univ Elective)
Complete one lab science course from below:.....	4-5	One course
All CEM courses, All PHS courses, BIO 110, 114, 129, 161, 162, 200, 201, 203, 210, 211, 215, 227; PHY 111, 121, 122, 123, 124, 221, 222		4-5
		Courses may transfer as equivalent courses, General Education transfer credit, or general transfer credit.
3. Humanities Requirement	(9 credits)	(9 credits)
Complete three courses: (must be from two disciplines).....	9	Three courses:
All ART Courses; ENG 125, 126, all 200 Level ENG; HST 121, 122; SOC 252; all courses from the following Disciplines: HUM, MUS, PFA, PHL, SPE, FRN, GER, SPN		9
		Courses may transfer as equivalent courses, General Education transfer credit, or general transfer credit.
4. Social Science Requirement	(9 credits)	(9 credits)
*ECN 231 Economics (Micro)	3	ECON 202 Principles of Microeconomics
*ECN 232 Economics (Macro)	3	ECON 201 Principles of Macroeconomics
¹ Complete one course from the following:	3	Perspectives on a Diverse World Requirement:
ANP 121, 229, 239, PLS 230, SOC 210, or 225		3
		Courses may transfer GEUS or GEGA transfer credit.
ACC Technical Concentration		(30-46 credits)
*Thirty to forty-six credits in technical courses from an approved ACC program or discipline may be transferred as a block for the technical concentration. If the program has less than 30 technical credits, related technical courses may be taken to make up the difference.		
30-46	Technical Concentration.....	30-46
EMU Requirements that May be Taken at Alpena or EMU		(15-32 credits)
^{*2} BUS 255 Business Application Software	3	STS 201 Microcomputer Apps in Technology.....3
^{*3} Complete one course:.....	4-5	QR Requirement (sub for MATH 118 or STS 224).....
MTH 121 College Algebra (4) (must complete at Alpena)		4-5
MTH 123 Coll Alg/Anal Trig (4) (must complete at Alpena)		MATH 105 College Algebra (3)+1
MTH 130 Calculus for Business/ Social Science (4)		MATH 105 College Algebra (3)+1
MTH 131 Analytic Geom & Calculus I (5)		MATH 119 Applied Calculus (3)+1
MTH 223 Statistical Methods (4)		MATH 120 Calculus I (4)+1
		MATH 170 Elementary Statistics (3)+1
⁴ Open Electives (not to exceed 94 credits at ACC)	10-28	University Electives
		7-25
Maximum Credits at Alpena CC:.....	94	Maximum Credits that transfer to EMU
		94

^{*}Required for EMU's Technology Management program.

¹ Satisfies EMU's Perspectives on a Diverse World requirement.

² STS 201(BUS 255) may be waived by successful completion of STS 201 exam at EMU. See Technology Management advisor for details.

³ Math courses must be completed at Alpena to satisfy EMU's Quantitative Reasoning requirement. If completed at EMU, MATH 110 is required in addition to MATH 118 or STS 224, unless Intermediate Algebra has been completed with a "C" or better, in which case only MATH 118 or STS 224 is required.

⁴ The number of elective credits required will depend on the number of credits completed for the technical concentration and for MACRAO.

NOTE: Consult an ACC counselor to select appropriate courses for a certificate or associate's degree. See page 2 for list of approved programs.

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Completion of EMU's Technology Management Program

Major Requirements (30-33 credits)

Core Courses (18 credits)

TM 130	Intro to Technology Management	3
TM 212	Management of Technological Change	3
TM 311	Information Technology Mgmt & Organizations..	3
TM 314	Sociotechnical Systems Appr to Proc Imprvmt...	3
TM 402	Technology Project Management	3
TM 415	Senior Seminar in Technology Management.....	3

Technology Mgmt Electives (12-15 credits)

Choose from the following courses:..... 12-15
At least 3 hours at the 300/400 level must be completed and at least one writing intensive course must be completed. See the Program Coordinator for other writing intensive courses.

ACC 130	Accounting for Non-business Majors (3)
ACC 240	Prin of Financial Accounting (3)
ACC 241	Prin of Managerial Accounting (3)
ACC 358	Analysis of Financial Statements (3)
FIN 350	Principles of Finance (3)
LAW 293	Legal Environment of Business (3)
LAW 403	Employment Law (3)
MKTG 360	Principles of Marketing (3)
MKTG 369	Advertising (3)
MGMT 384	Human Resource Management (3)
MGMT 386	Organizational Behavior & Theory (3)
¹ MGMT 480W	Management Responsibility & Ethics (3)
¹ STS 300W	Research & Writing: The Tech Pers (3)
TM 308	Seminar in Technological Impacts (3)
² TM 387	Cooperative Education
TM 377/378/379	Special Topics (1/2/3)
TM 477/478/479	Special Topics (1/2/3)

Additional Requirement (0-3 credits)

One LBC course or noncredit experience must be completed at EMU. TM 387 Cooperative Education satisfies the LBC requirement.

Minimum Credits at EMU:..... 30-33

Minimum Credits to Graduate:124

Alpena CC Approved Programs

- Apprentice-Electrical
- Apprentice-Millwright
- Auto Body Repair
- Automotive Service & Repair
- Computer Aided Drafting Engineering Technology
- Computer Information Systems (all options)
- Computer Integrated Machining Technology (all options)
- Computer Science-General
- Concrete Technology
- Criminal Justice (all options)
- Customer Energy Certificate/Degree
- Electrical Maintenance Technician
- General Sciences
- Graphic Design
- Licensed Practical Nursing
- Manufacturing Technology Basic Certificate
- Medical Assistant
- Medical Coder and Biller
- Millwright Technician
- Network Administration Certificate and Degree
- Pre-Dental
- Pre-Engineering
- Pre-Medical
- Pre-Medical Technology
- Pre-Pharmacy
- Pre-Veterinary
- Registered Nursing
- Utility Technician
- Utility Technology
- Welding Fabrication Certificate
- Other programs approved by Program Coordinator

¹ Satisfies EMU's Writing Intensive in the major requirement

² Satisfies EMU's Learning beyond the Classroom requirement

NOTE: If 94 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.

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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 advisors (indicated below) at both institutions to assure that all requirements are satisfied. Courses indicated with an * are required for EMU's Technology Management Program.
2. Students whose transcripts are endorsed as "MACRAO Satisfied" will only be required to meet EMU's three 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: [MTH 121, 123, 130, 131 or 223 at Alpena] or [If Intermediate Algebra is completed with a "C" or better, STS 224 (preferred) or MATH 118 at EMU]
 - b) an approved course in Global Awareness or US Diversity: [ANP 121, 229, 239, PLS 230, SOC 210 and 225 at Alpena]
 - c) an approved Learning Beyond the Classroom course or experience offered by EMU: [TM 387 or see EMU Program Coordinator for other options.]

To use MACRAO, students should request a MACRAO evaluation of their transcript from the community college Student Records Office. A minimum of 15 credits towards MACRAO must be completed at Alpena CC. 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 "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. Alpena students will receive equal consideration with other students for course registration and financial aid.
6. Students are encouraged to contact the Technology Management Program Coordinator early, before applying to EMU. To facilitate the evaluation of transfer credit, students should indicate on their application that they are following this articulation agreement, and bring a copy of this guide to all advising sessions. Copies of this articulation guide are available on EMU's webpage at www.emich.edu/ccr/artguide.php

Effective Dates: March 1, 2010 until April 30, 2013. 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. Students who enrolled at Alpena prior to the effective period may use this agreement.

Contacts:

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