

EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE

September 2009
Updated: September 2010

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

MACRAO Requirements	(30-32 credits)	(30-32 credits)
1. English Writing Requirement	(6-8 credits)	(6-8 credits)
Complete a two-course sequence:	6-8	Two courses:
ENGL 1180 & 1190 Communication I & II (8)		ENGL 120 & 121 Composition I & II (6) +2
ENGL 1210 & 1220 Composition I & II (6)		ENGL 120 & 121 Composition I & II (6)
2. Math/Science Requirement	(8 credits)	(8 credits)
MATH 1000 Intermediate Algebra.....	4	MATH 104 Intermediate Algebra (3)+1 (Univ Elec).....
Complete one lab science course:.....	4	One course:
Choose from courses in the following disciplines:		Courses may transfer as equivalent courses,
Biology, Chemistry, Environmental Science,		General Education credit, or general transfer credit
Geology, Natural Science, Physical science, Physics		
3. Humanities Requirement (see note below)	(8 credits)	(8 credits)
Complete a minimum of 8 credits: (see note below)	8	Two or three courses:.....
Choose from at least two disciplines below: (except for when foreign language is chosen)		Courses may transfer as equivalent courses,
Art, Creative Writing, Foreign Language, Humanities,		General Education credit, or general transfer credit.
Literature, Music, Philosophy, Theater Arts		
4. Social Science Requirement	(8 credits)	(8 credits)
Complete a minimum of 8 credits: (see note below)	8	Two or three courses:.....
Choose from at least two disciplines below:		Courses may transfer as equivalent courses,
Anthropology, Economics, Geography, History, Political		General Education credit, or general transfer credit.
Science, Psychology, Sociology, or Social Science		
<i>1NOTE: In completing <u>one</u> MACRAO area above, choose a course from the following to satisfy EMU's Perspectives on a Diverse World requirement: Humanities: ENGL 2800, 2810; HUMN 1700, 1270, 2000; INTL 2000, 2300; Social Sciences: ANTH 1000; GEOG 2000; HIST 1700, 2420, 2520, 2650; INTL 2010, 2500, 2700; POLS 1600; SOSC 2010; Lab Science: NATS 1310</i>		
MCC Graduation Requirement	(2 credits)	(2 credits)
PHED 2000 or above (except 2080).....	2	PEGN 210 Lifetime Wellness & Fitness (Univ Elective).....
MCC Technical Concentration	(30-46 credits)	(30-46 credits)
* Thirty to forty-six credits in technical courses from an approved MCC program or discipline may be transferred as a block for the technical concentration. If the program has less than 30 technical credits, related courses may be taken at either institution. 30-46		
	30-46	Technical Concentration.....
EMU Requirements that May be Taken at MCC or EMU		(14-32 Credits)
* ECON 1160 Principles of Economics 1.....	3	ECON 201 Principles of Macroeconomics.....
* ECON 1170 Principles of Economics 2.....	3	ECON 202 Principles of Microeconomics.....
* ² ITCS 1010 Computer & Info Processing Principles.....	4	STS 201 Microcomputer Apps in Technology (3)+1.....
* ³ MATH 1360 Finite Math I (complete at MCC).....	4	MATH 118 Linear Models & Prob or STS 224 @EMU (3)+1..
⁴ Open Electives (not to exceed 94 credits at MCC).....	0-17	University Electives
	0-17	0-18
Maximum Credits at MCC:	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(ITCS 1010) may be waived by successful completion of STS 201 exam at EMU. See Technology Management advisor for details.

³ MATH 1360 must be completed at MCC to satisfy EMU's Quantitative Reasoning requirement. If Intermediate Algebra has been completed with a "C" or better, students may choose to complete MATH 118 or STS 224(preferred) at EMU to satisfy the QR requirement. Students who place into MATH 1360 don't need to complete MATH 1000.

⁴ The number of elective credits required will vary depending on the amount of credit completed for the concentration and other course choices.

NOTE: Consult a MCC counselor to select the appropriate courses for an associate degree. See page 2 for a list of approved programs.

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<p><u>Completion of EMU’s Technology Management Program</u></p> <p>Major Requirements (30-33 credits)</p> <p>Core Courses (18 credits)</p> <p>TM 130 Intro to Technology Management..... 3</p> <p>TM 212 Management of Technological Change..... 3</p> <p>TM 311 Information Technology Mgmt & Organizations 3</p> <p>TM 314 Sociotechnical Systems Approach to Proc Imprvmt... 3</p> <p>TM 415 Senior Seminar in Technology Management 3</p> <p>Writing Intensive Course in the Major (see advisor)..... 3</p> <p>Technology Mgmt Electives (12-15 credits)</p> <p>Choose from the following courses:..... 12-15 <i>(At least 3 hours at the 300/400 level must be completed.)</i></p> <p>ACC 130 Accounting for Non-business Majors (3)</p> <p>ACC 240 Prin of Financial Accounting (3)</p> <p>ACC 241 Prin of Managerial Accounting (3)</p> <p>ACC 358 Analysis of Financial Statements (3)</p> <p>FIN 350 Principles of Finance (3)</p> <p>LAW 293 Legal Environment of Business (3)</p> <p>LAW 403 Employment Law (3)</p> <p>MKTG 360 Principles of Marketing (3)</p> <p>MKTG 369 Advertising (3)</p> <p>MGMT 384 Human Resource Management (3)</p> <p>MGMT 386 Organizational Behavior & Theory (3)</p> <p>MGMT 388 Intro to Entrepreneurship (3)</p> <p>MGMT 480 Management Responsibility & Ethics (3)</p> <p>TM 308 Seminar in Technological Impacts (3)</p> <p>TM 377/378/379 Special Topics (1/2/3)</p> <p>¹ TM 387 Cooperative Education (3)</p> <p>TM 402 Technology Project Management (3)</p> <p>TM 477/478/479 Special Topics (1/2/3)</p> <p>Additional Requirement (0-3 credits)</p> <p>One LBC course or noncredit experience must be completed at EMU. TM 387 Cooperative Education satisfies the LBC requirement. See the program advisor for other choices.</p> <p>Minimum Credits at EMU: 30-33</p> <p>Minimum Credits to Graduate: 124</p>	<p>Approved Macomb Community College Programs</p> <p>Accounting</p> <p>Architectural Technology – all options</p> <p>Automated Systems Technology - Mechatronics</p> <p>Automotive Technology – all options</p> <p>Business Management</p> <p>Civil Technology</p> <p>Climate Control Technology – all options</p> <p>Computer Service Technology</p> <p>Construction Technology</p> <p>Customer Energy Specialist</p> <p>Electronic Engineering Technology</p> <p>EMS-EMT/Paramedic</p> <p>EMS-Paramedic/ Firefighter</p> <p>Fire Science</p> <p>Fire Science with Fire Academy</p> <p>Health Information Technology</p> <p>Information Technology – all options</p> <p>Land Surveying</p> <p>Law Enforcement</p> <p>Legal Assistant</p> <p>Manufacturing Engineering Technology</p> <p>Marketing</p> <p>Media and Communication Arts – all options</p> <p>Medical Assistant</p> <p>Nuclear Medicine Technology</p> <p>Nursing</p> <p>Occupational Therapy Assistant</p> <p>Physical Therapist Assistant</p> <p>Project Management – all options</p> <p>Product Development - all options</p> <p>Quality Systems Technology – all options</p> <p>Radiological Technology</p> <p>Renewable Energy Technology</p> <p>Respiratory Therapy</p> <p>Restaurant Management</p> <p>Surgical Technology</p> <p>Veterinary Technician</p> <p>Web Specialist</p> <p>Other programs with approval of the Program Coordinator</p>
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¹ Satisfies EMU’s Learning beyond the Classroom requirement.

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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 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 1340, 1360, 1370, 1410, 1460, or 1760 at MCC] or [MATH 110 at EMU; or if MATH 104 Intermediate Algebra is completed with a "C" or better students may choose MATH 118, 119, 120, 170, PHIL 181, PLSC 210, SOCL 250, or (STS 224 preferred) at EMU]
 - b) an approved course in Global Awareness or US Diversity: [**Humanities:** ENGL 2800, 2810; HUMN 1700, 1270, 2000; INTL 2000, 2300; **Social Sciences:** ANTH 1000; GEOG 2000; HIST 1260, 1270, 1700, 2420, 2520, 2650; INTL 2000, 2010, 2500, 2700; POLS 1600; SOSOC 2010. **Lab Science:** NATS 1310 at MCC]
 - 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 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 "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 in courses offered by 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. MCC 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 they are using this articulation agreement on their EMU application 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.htm.

Effective Dates: This agreement is effective as of **September 1, 2009 until August 31, 2012.**

This is a renewal of the Technology Management articulation agreement made on June 15, 2006. Students who started this program before the effective date may continue to follow the guide in place when they started or may change to this guide. 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:

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