

**EASTERN MICHIGAN UNIVERSITY
ARTICULATION GUIDE**

September 2009

**North Central Michigan College –Approved Technical Programs
Eastern Michigan University – Bachelor of Science in Applied Technology**

North Central Michigan College Courses Transfer to Eastern Michigan University

MACRAO Requirements	(30-32 credits)	(30-32 credits)
1. English Writing Requirement	(6 credits)	(6 credits)
ENGL 111 English Composition I	3	ENGL 120 English Composition I (Univ Elective)
ENGL 112 English Composition II	3	ENGL 121 English Composition II
2. Math/Science Requirement	(8 credits)	(8 credits)
* ¹ MTH 119 College Algebra (complete at NCMC):.....	4	MATH 105 College Algebra (3)+1
*CEM 101 Fundamentals of Chemistry	4	CHEM 117 & 118 Fund of Chemistry w/ lab
3. Humanities Requirement See note below	(8-9 credits)	(8-9 credits)
Choose from at least two disciplines below:	8-9	Two or three courses:
Philosophy; religion; Art 105, 106; English 130, 213, 214, 215, 221,222, 231, 232, 240, 241, 242, 244, 250, 251, 252, 255, 276		Courses may transfer as equivalent courses, General Education transfer credit, or general transfer credit.
4. Social Science Requirement See note below	(8-9 credits)	(8-9 credits)
Choose from at least two disciplines below:	8-9	Two or three courses:
anthropology; American studies; economics; geography; political science; psychology; sociology; History 131, 132, 205, or 270		Courses may transfer as equivalent courses, General Education transfer credit, or general transfer credit.
<i>NOTE: In completing the Humanities or Social Science requirement above, choose one course from the following to satisfy EMU's Perspectives on a Diverse World requirement:: ENG 241, 242, 244; REL 100; ANP 110, 210; GEO 121; HST 220, 221; SOC 110, 230</i>		
NCMC Additional Degree Requirement	(3 credits)	(3 credits)
Complete one course:.....	3	Transfers as a University Elective.....
COM 111 Speech		CTAC 124 Fundamentals of Speech
COM 170 Interpersonal Communication		CTAC 227 Interpersonal Communication
Technical Concentration	(34 credits)	(34 credits)
* Thirty-four (34) credits in technical courses from an approved NCMC program or 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
EMU requirements that May be Taken at NCMC or EMU:		(25-27 credits)
*MTH 123 Trigonometry and Applications.....	4	MATH 107 Plane Trigonometry Algebra (2).....
*PHY 210 General Physics I.....	5	PHY 221 Mechanics, Sound and Heat (4)+1
*PHYS 211 General Physics II.....	4	PHY 222 Electricity and Light.....
Open Electives (not to exceed 94 credits at NCMC)	12-14	University Electives.....
		12-14
Maximum credits at NCMC	94	Maximum credits that transfer to EMU.....
		94

*Required for EMU's Applied Technology program.

¹ MTH 119 must be completed at NCMC to satisfy EMU's Quantitative Reasoning Requirement. If completed at EMU, MATH 110 will also be required, unless waived by ACT/SAT or math placement score.

NOTE: Students should consult a NCMC counselor to select appropriate courses to complete a certificate or associate degree. See page 2 for list of approved programs.

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Suggested course sequencing		Credits
Semester I	GLBBS	
Semester II	GLBBS	
Semester III	GLBBS	
Boat Building Certificate Complete		32
Summer	Elective	3
Semester IV	ART 109	3
	B 104 or MTH 111 (or MTH 119 for EMU transfers)	3-4
	B 161	3
	ENG 111	3
	ENGR 107	3
Semester V	ART 102	3
	CIS 100	3
	COM 170	3
	ENG 112	3
	Elective (technical for EMU, see advisor)	3
AAS Complete		65-66
Summer	MTH 123 (NCCMC) or MATH 107 (EMU - avail. on line) See also advising note below.	2-3
Semester VI	CEM 101	4
	PHY 210	5
	Electives (Humanities or SS)	6
Semester VII	PHY 211	5
	Electives (Humanities or SS)	9
Semesters VIII+ IX (EMU)		
	SET 350W	3
	Restricted electives (100-400 level)	6
	Restricted electives (300-400 level)	15
	University electives	6
BS Applied Technology Complete		124

Advising notes:

- Student must be prepared to take advanced math courses, up to MTH 123, Trigonometry. Depending on placement and previous coursework, this could result in three additional semester courses. MTH 123 must be complete by Semester V in order to enroll in PHY 210. An equivalent two credit course, MATH 107, is available through EMU and will count toward the major. This would eliminate the additional three credits.
- Students interested in this option should be in touch with EMU's advisor from the beginning of their coursework.

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Completion of Applied Technology program at EMU

Major Requirements (24 credits)

SET 350W Applied technical Writing	3
** Restricted Electives	6
Select six hours at the 100 to 400-level in consultation With an Applied Technology program adviser.	
** Restricted Electives	15
Select fifteen hours of restricted electives at the 300- 400-level in consultation with an Applied Technology program adviser.	

Additional Requirement (0-3 credits)

¹ One LBC course or noncredit experience must be completed. MFG 387 Coop in Manufacturing Technology satisfies the LBC requirement.

University Electives (3-6)

Enough electives to bring the program total to 124 credits..... 3-6
If enough elective credits are not transferred from NCMC, additional university electives will be required at EMU.

Minimum Credits at EMU: 30
Minimum Credits Required to Graduate 124

¹ Meets EMU's Learning beyond the Classroom general education requirement in addition to MACRAO.
** All restricted electives must be approved by the Applied Technology Program Advisor.

Beginning in fall 2009, students will be able to complete the Applied Technology Program on-line. EMU will offer 30 credit hours of Applied Technology coursework over the internet. Such coursework will include the major requirements (Restricted Electives) and an additional nine credit hours of appropriate university electives.

**North Central Michigan College
Approved Technical Programs**

- Boat Building
 - Computer Aided Design
 - Computer Information Systems
 - Computer Networking
 - Engineering Manufacturing & Industrial Technology
- Additional programs may be used with approval of Program Coordinator
General Studies Degree may be used with
34 credits in any of the approved program areas above

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Additional Information:

1. In completing the coordinated program of study for this articulation agreement, course substitutions may 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 Applied Technology 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 119 at NCMC]
 - b) an approved course in Global Awareness or US Diversity: [ENG 241, 242, 244; REL 100; ANP 110, 210; GEO 121; HST 220, 221, 222; SOC 110, 230 at NCMC]
 - 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 should request a MACRAO evaluation of their transcript from the NCMC Registration and Records Office. Students who do not satisfy MACRAO will have to satisfy all of EMU's general education requirements not already completed.

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. NCMC 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 enclose a copy of this articulation guide with their EMU admission application and bring a copy to all advising sessions. Copies of the articulation guide are available on EMU's webpage at www.emich.edu/ccr/artguide_new.php.

Effective Dates: September 1, 2009 until August 31, 2012. 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 began a program at the community college prior to fall 2008 may use this agreement.

Contacts:

North Central Michigan College

Robert Marsh
Associate Dean of Occupational Programs
North Central Michigan College
231 439-6353
rmarsh@ncmich.edu

Eastern Michigan University

Phillip Rufe, Coordinator
Applied Technology Program
118 Sill Hall, 734 487-2040
phillip.rufe@emich.edu