

EASTERN MICHIGAN UNIVERSITY

ARTICULATION GUIDE

August 2003

Washtenaw Community College – Associate in Arts in Construction Management
Eastern Michigan University – Bachelor’s of Science in Construction Management

Purpose:

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

This 3 + 1 articulation agreement is designed to provide a smooth curriculum transition for students who earn an Associate in Arts Degree in Construction Management from WCC and transfer to EMU to earn a Bachelor’s of Science Degree in Construction Management. The agreement is designed to minimize loss of credits and duplication of coursework, while allowing students to complete additional courses at the community college.

Requirements:

1. Complete the Construction Management program at Washtenaw Community College and the coordinated program of study for the Bachelor’s of Science in Construction Management at Eastern Michigan University, as indicated in the attached Articulation Guide.
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.
 - a) A course in advanced written composition, advanced speech, or a foreign language [ENG 226 at WCC]
 - b) A course in mathematical reasoning [MTH 160 at WCC]
 - c) A cross-cultural course [ART 143, ART 150, ENG 181, or ENG 214 at WCC]
 - d) A course in computer literacy [CIS 100 at WCC].

All four requirements are footnoted with a “1” on the following Articulation Guide. To avoid losing the benefits of the MACRAO agreement, any substitutions for required courses should be made with the guidance of a program advisor or counselor. Students who do not satisfy MACRAO may use this agreement but will be required to complete all of EMU’s general education requirements as listed in the Undergraduate Catalog.

3. When applying to EMU, an official transcript, stamped “MACRAO Satisfied”, must be sent to EMU’s Office of Records and Registration. Students should request a MACRAO evaluation of their transcript in the Washtenaw Community College Student Records Office.
4. 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 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 requirement of the Construction Management Program.
5. Under this agreement, students may transfer additional courses beyond the total for the associate degree. 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 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.
6. Students must meet all admission requirements at the time of admission to EMU, including submitting transcripts from all previously attended colleges.
7. Students interested in transferring to EMU should contact an EMU advisor listed below early, before completing an admission application to EMU. **To facilitate the evaluation of transcript(s), students should bring a copy of this articulation agreement to all advising sessions.**

Effective Dates: September 1, 2002 until September 1, 2005. If this agreement is not renewed, students who designated this program agreement before its termination will have four years beyond the initial three 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.

Contacts:

Washtenaw Community College

Ralph Hargrave, HAT Division Counselor
OE 170D, 734-973-3475, rharg@wccnet.org

Les Pierce, Program Advisor
OE 170F, 734-973-3533, lpierce@wccnet.org

Eastern Michigan University

James Stein, Construction Mgmt. Program Coordinator
118 Sill Hall, 734-487-2040, james.stein@emich.edu

William Moylan, Construction Mgmt. Faculty Advisor
118 Sill Hall, 734-487-2040, william.moylan@emich.edu

Bob Lahidji, Industrial Technology Department Head
118 Sill, 734-487-2040, bob.lahidji@emich.edu

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Washtenaw/EMU - Construction Management

Washtenaw Community College Courses:

Transfer to EMU as:

***MACRAO Requirements (33 credits)**

- 1. English Writing Requirement (7 credits)**
 ENG 111 Composition I..... 4
¹ ENG 226 Composition II..... 3
- 2. Math/Science Requirement (8 credits)**
¹ MTH 160 Basic Statistics..... 4
 Choose one course from the following:..... 4
 CEM 105 Fundamentals of Chemistry (4)
 CEM 111 General Chemistry I (4)
- 3. Humanities Requirement (9 credits)**
 COM 101 Fundamentals of Speaking 3
 PHL 205 Ethics 3
¹ Choose one course from the following:..... 3
 ART 143 Art and Culture of Afro-America (3)
 ART 150 Monuments Around the World (3)
 ENG 181 African American Literature (3)
 ENG 214 Literature of the Nonwestern World (3)
- 4. Social Science Requirement (9 credits)**
 ECO 211 Principles of Economics I..... 3
 PLS 112 American Government..... 3
 PSY 100 Introductory Psychology Humanities..... 3

- ENG 121 English Composition (3)+1 4
 ENGL 326 Research Writing 3
- MATH 170 Elementary Statistics..... 4
 One course 4
 CHEM 117/118 Fundamentals of Chemistry & Lab (4)
 CHEM 121/122 General Chemistry I & Lab (4)
- CTAS 121 Fundamentals of Speech (2)+1 3
 PHIL 220 Ethics 3
 One course: 3
 LITR BASX Basic Studies Cross-Cultural
 LITR BASX Basic Studies Cross-Cultural
 LITR 260 African American Literature
 LITR BASX Basic Studies Cross-Cultural
- ECON 201 Principles of Economics I 3
 PLSC 112 American Government..... 3
 PSY 101 General Psychology 3

Major Requirements (32 credits)

- ACC 111 Principles of Accounting I..... 3
 ARC 117 Construction Materials 3
 BMG 207 Business Communication..... 3
 BMG 240 Human Resource Management 3
¹ CIS 100 Introduction to Computers..... 3
 CMG 130 Construction Site Safety..... 3
 CMG 150 Intro to Construction Management..... 2
 CMG 170 Construction Graphics..... 3
 CMG 200 Construction Systems 3
 MTH 178 General Trigonometry 3
 Choose one course from the following:..... 3
 BMG 111 Business Law I
 BMG 106 Legal Basics in Business

- ACC 240 Principles of Accounting I (for ACCT 130)..... 3
 CNST 202 Construction Materials..... 3
 MGMT 202 Business Communication (Business Elec) 3
 MGMT 000 (meets requirement for MGMT 384) 3
 COSC 136 Computers Non-spec. (subst. CADM 105) 3
 CNST 213 Construction Safety 3
 CNST 125 Intro to Construction Management 2
 CNST 228 Technology of Construction Graphics..... 3
 CNST 201 Construction Systems..... 3
 MATH 107 Plane Trigonometry (2)+1 3
 One course: 3
 LAW 293 Legal Environment of Business
 LAW 293 Legal Environment of Business

Minimum Credits Required at WCC:65

Credits That Transfer to EMU 65

Additional courses that may be completed at WCC or EMU (26 credits)

These courses are not required for WCC's program but they may be completed at WCC and transferred to EMU for the Construction Management program, if desired.

- ECO 222 Principles of Economics II..... 3
 GLG 114 Physical Geology 4
 MTH 176 College Algebra 4
 PHY 111 General Physics..... 4
² Elective: Restricted Math/Science Elective 3
 Open Electives: Credits to bring program total to 124..... 8

- ECON 202 Principles of Economics II 3
 ESSC 160 Physical Geology..... 4
 MATH 105 College Algebra (3+1) 4
 PHY 221 Mechanics, Sound, and Heat 4
 Math/Science Restricted Elective..... 3
 University Electives: To bring program total to 124 cred... 8

Maximum Credits at WCC91

Maximum Credits that transfer to EMU 91

** Courses used to satisfy MACRAO must be included on the community college transcript to satisfy MACRAO.*

¹ Meets one of EMU's four additional requirements for MACRAO. See #2 on page one for more information.

² Consult your program advisor to select restricted electives.

NOTE: If a WCC 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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Washtenaw/EMU - Construction Management

Completion of the Construction Management Program at EMU

Physical Education Graduation Requirement (2 credits)

PEGN 210 Lifetime Health and Fitness2

Major Requirements (28 credits)

CNST 206 Surveying.....3
CNST 229 Analysis of Commercial Prints3
CNST 302 Contract Documents, Regulations, & Spec.....3
CNST 303 Electrical, Mechanical & Equipment Systems.....3
CNST 304 Construction Estimating and Bidding.....3
CNST 361 Planning and Scheduling.....3
CNST 403 Production Control.....2
CNST 406 Construction Law.....2
CNST 412 Fundamentals of Structural Design3
CNST 450 Fund. of Construction Project Mgmt.3

Business Restricted Elective (3 credits)

Three hours from the following selected in consultation with the adviser.

FIN 350 Principles of Finance (3)
FIN 352 Financial Management for Entrepreneurs (3)
FIN 358 Analysis of Financial Statements (3)
LAW 393 Law of Business Enterprises (3)
LAW 403 Employment Law (3)
MGMT 386 Organizational Behavior & Theory (3)
MGMT 460 Management Skills (3)
IS 215 End-User Computing (3)
DS 265 Business Statistics I (3)

Credits at EMU33

Minimum Credits to Graduate:124