

EASTERN MICHIGAN UNIVERSITY

ARTICULATION GUIDE

June 2006

Oakland Community College – AAS in Management Development-Construction Management Option Eastern Michigan University – Bachelor 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 begin their studies at OCC and transfer to EMU to earn a Bachelor of Science in Construction Management. The agreement is designed to minimize loss of credits and duplication of coursework, while maximizing the number of credits that can be earned at the community college.

Requirements:

1. Complete the coordinated program of study for Management Development –Construction Management at OCC and the Bachelor of Science in Construction Management at Eastern Michigan University, as indicated on this Guide. Any course substitutions should be made with the guidance of a counselor or advisor to assure that all requirements are met.
2. Students whose transcripts are endorsed as “MACRAO Satisfied” by the community college will 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 [ENGL 324 at EMU]
 - b) A course in mathematical reasoning [MAT 1580 at OCC]
 - c) A cross-cultural course [ENG 1610 at OCC]
 - d) A course in computer literacy [CIS 1050 at OCC].

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 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.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours must be taken in EMU courses, 15 hours of which must be in program requirements at the 300-level or above. Of the last 30 hours completed before graduating, at least 10 hours must be in EMU courses. 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 admission to EMU, including submitting transcripts from all previously attended colleges.
6. Students interested in transferring to EMU should contact the EMU Construction Management Program Coordinator early, before completing an admission application to EMU. Students should attach a copy of this articulation guide to their EMU application and bring a copy to all advising sessions.

Effective Dates: September 1, 2002. This agreement has been **extended until September 1, 2007**. OCC students who began this articulated program prior to the ending date may continue to use this articulation guide and will have at least three additional years to be admitted to EMU under the terms of this agreement.

Contacts:

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Oakland Community College Courses:

Transfer to EMU as:

MACRAO Requirements (34 credits)

1. English Writing Requirement (6 credits)

ENG 1510 Composition I	3
* ENG 1520 Intermediate English Composition	3

2. Science/Math Requirement (10 credits)

* ¹ MAT 1580 Statistics	3
* CHE 1000 Introductory Chemistry	4

3. Humanities Requirement (9 credits)

SPE 1610 Fundamentals of Speaking	3
¹ ENG 1610 Women in Literature	3
* PHI 1610 Ethics	3

4. Social Science Requirement (9 credits)

ECO 2610 Economics I	3
POL 1510 American Government	3
PSY 2510 Introduction to Psychology	3

Additional Requirements (5 credits)

PER 1590 Physical Well-Being in a Modern Society	2
ENG 2200 Professional Communication	3

Major Requirements (39 credits)

ACC 2510 Principles of Accounting I	4
BUS 1100 Introduction to Business	3
BUS 1310 Principles of Supervision	3
BUS 2030 Business Law I	3
BUS 2530 Principles of Management	3
¹ CIS 1050 Personal Computer Applications	3

The following EMU courses are included as major requirements in the OCC Construction Management program

** CNST 125 Introduction to Construction	2
** CNST 201 Construction Systems	3
** CNST 206 Surveying	3
** CNST 213 Construction Safety	3
** CNST 228 Construction Graphics	3
** CNST 229 Analysis of Commercial Prints	3
** CNST 304 Construction Estimating and Bidding	3

ENGL 120 Elective Credit	3
ENGL 121 English Composition	3
MATH 107 Plane Trigonometry (2) +1	3
MATH 170 Elementary Statistics	3
CHEM 117/118 Fund of Chemistry –Lecture and Lab	4
CTAS 124 Fundamentals of Speech	3
LITR BASX General Education Cross-cultural transfer	3
PHIL 220 Ethics	3
ECON 201 Principles of Economics I	3
PLSC 112 American Government	3
PSY 101 General Psychology	3
PEGN 210 Lifetime Health and Fitness	2
MGMT 202 Business Communication (Res Bus Elec)	3

ACC 240 Principles of Accounting I (3) +1	4
BEDU 100 Contemporary Business (Res Bus Elective)	3
MGMT 000 Transfer Credit	3
LAW 293 Legal Environment of Business	3
MGMT 000 (Meets requirement for MGMT 384)	3
BAS Trans (Meets requirement for CADM 105)	3

CNST 125 Introduction to Construction	2
CNST 201 Construction Systems	3
CNST 206 Surveying	3
CNST 213 Construction Safety	3
CNST 228 Construction Graphics	3
CNST 229 Analysis of Commercial Prints	3
CNST 304 Construction Estimating and Bidding	3

Additional Courses That May be Taken at OCC or EMU: (14 credits)

These courses are not required for OCC's program but may be transferred to EMU for the Construction Management program.

ECO 2620 Economics II	3	ECON 202 Principles of Economics II	3
MAT 1540 College Algebra	4	MATH 105 College Algebra (3) +1	4
PHY 1610 College Physics I	4	PHY 221 Mechanics, Sound & Heat	4
² Restricted Math/Science Elective	3	Restricted Math/Science Elective	3

Credits at OCC: 92

Credits that transfer to EMU 92

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

² Restricted Electives must be approved by the OCC program advisor.

* Not a requirement of OCC's program but is required for EMU's program and must appear on the OCC transcript to satisfy MACRAO.

** These are EMU courses offered at OCC and included in OCC's Construction Management Program.

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

NOTE: OCC students using financial aid should check with the OCC Financial Aid Office to learn how to use financial aid for both OCC and EMU courses in the same semester.

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Completion of Construction Management Program at EMU

Required Courses (7 credits)

¹ ENGL 324 Principles of Technical Communication	3
ESSC 160 Physical Geology	4

Major Requirements (25 credits)

CNST 202 Construction Materials	3
CNST 302 Contract Documents, Regulations & Specs	3
CNST 303 Electrical, Mechanical & Equipment Systems.....	3
CNST 361 Planning & Scheduling.....	3
CNST 387 Cooperative Education in Constr. Mgmt.....	3
CNST 403 Production Control.....	2
CNST 406 Construction Law.....	2
CNST 412 Fundamentals of Structural Design.....	3
CNST 450 Fundamentals of Construction Project Mgmt	3

Credits at EMU 32

Minimum Credits to Graduate 124

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