MICHIGAN STATE
UNIVERSITY

November 27, 2006

MEMORANDUM

TO: Dr. Douglas Estry, Acting Associate Provost for Undergraduate Education and Dean of Undergraduate Studies

FROM: Dr. Linda O. Stanford, Associate Provost for Academic Services

RE: Request to Change the Admission as a Junior requirements for the Bachelor of Science Degree in Construction Management

For Transmittal to the University Committee on Academic Policy (UCAP)

The request referenced above is being sent to you for action by the University Committee on Academic Policy (UCAP).

UCAP Response Requested:

The Construction Management program is requesting a grade of 2.0 in each course listed in requirement 2. under the Admission as a Junior statement. These courses include MTH 124, PHY 231, STT 200 or STT 201 or STT 315 or STT 421, and EC 201 or EC 202. The rationale provided is that these courses are prerequisites to the construction management courses and students need a sound understanding in these courses in order to maximize their understanding of construction management concepts.

Please ask the UCAP to consider the request referenced above at its meeting on December 14, 2006. Please mail the related materials referenced under the heading Attachments at the end of this memorandum to the members of the UCAP.

The UCAP alone will consider this request.

If you have any questions about this memorandum or the attached materials, please call me at 5-8420.

Thank you for your help.

Attachments:

1. Request for Changes in an Academic Program form dated November 16, 2006; Bachelor of Science Degree in Construction Management and attachments.

s:\share\ucapcmpbs

UNIVERSITY CURRICULUM and CATALOG

Michigan State University
176 Administration Building
East Lansing, Michigan
48824-1046

PH: 517/355-8420
FAX: 517/353-1935

View a Program

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loy Speas, RO | Thursday, 11/16/2006

Program Name: Construction Management **Degree Name: BS** **Sequence Number: 2**

Effective Dates: Fall 2007 - Open **Status: Interim** **Initial Action: Change**

Requested Date: 11/10/2006 5:23:22 PM

1. Department/School/College:
02116 .... School of Planning, Design and Construction

2. Name of Program:
Construction Management

3. Name of Degree:
BS

4. Type of Program:
Major

5. Effective Start Semester:
Fall 2007

6. Target student audience for the program:

7. Enrollment:
What is the expected enrollment per year:
0
What is the minimum enrollment acceptable:
0

8. Source of budget for the program:
Internal

9. Projected Costs as compared to other programs in unit:
Same

10. Staff requirement:
How many additional staff will be required:
0
Who will provide the primary instruction. Describe any external linkages(industry, government, etc.):

11. Will additional equipment be required:
Approximate cost:
0
Source of funding:

12. Will additional library materials be required:
Approximate cost:
0
Source of funding:

13. Will additional space be required:
Type:

Approximate amount:

14. Detailed Description:

Part of the admission requirement as a junior should be to
Complete each of the following courses with a minimum grade of 2.0:
MTH 124
PHY 231
STT 200 or STT 201 or STT 315 or STT 421
EC 202
Answer to 14b:
These courses are prerequisite to CMP courses. Students need a sound understanding in these courses in order to maximize their understanding of CMP concepts.

15. Type(s) of change(s):
Change in requriements for admission to the major.

16. Students who will be affected by the proposed changes:
Students applying for admission to the major.

17. Will the proposed change(s) have a negative impact on students? If so, which ones?:
Students applying for admission to the major

Describe impact and explain what accomodations will be made:
Fewer students admitted to major. Will have advising about alternate majors

18. Reason(s) for change(s):
stated as part of 14B due to insufficient space here.

DEPARTMENT LEVEL APPROVAL STATUS

Approved by: School of Planning, Design and Construction
11/10/2006 5:48:40 PM by Eunice Foster for Robert von Bernuth, Director

COLLEGE LEVEL APPROVAL STATUS

Approved by: College of Agriculture and Natural Resources
11/10/2006 5:48:49 PM by Eunice Foster for Eunice F. Foster, Associate Dean

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Speas, Joy

From: Foster, E.F. [fosteref@anr.msu.edu]
Sent: Thursday, November 16, 2006 11:47 PM
To: Speas, Joy
Subject: RE: Construction Management BS

)y,
nat is correct. The only change is to have students achieve a grade of at least 2.0 or higher in each course list in # 2 under \dmission as a Junior" – 2a through 2d, including EC 201 or EC 202.

s an aside, I saw no way to attach the outcomes assessment form and not enough space was allocated for several of the esponses.

unice

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rom: Speas, Joy [mailto:Jlspeas@msu.edu]
ent: Thursday, November 16, 2006 4:28 PM
o: Foster, E.F.
ubject: Construction Management BS

unice,

:ould you please verify exactly what is changing in the Admission as a Junior statement in the Construction lanagement BS ? Is any of the text changing, and what about EC 201? Is that still a choice? I am assuming by ne brief statement that the change is a 2.0 in EACH course rather than an average.

\dmission as a Junior

:onstruction management builds upon a basic understanding of mathematics, physics, statistics, and economics to develop the kills necessary to manage construction projects. Prior to enrollment in the major, students must have demonstrated this basic nderstanding by a minimum performance in the courses listed and a minimum overall grade point average.

:nrollment in the construction management major is limited.

'hose seeking admission must at least meet the criteria listed below.

. Completion of at least 56 credits with a cumulative University grade-point average of at least 2.30.

:. Completion of the following courses with a minimum grade-point average of 2.00:

.. MTH 124 Survey of Calculus I 3

). PHY 231 Introductory Physics I 3

:. STT 200 Statistical Methods 3

)r

3TT 201 Statistical Methods 4

TT 315 Introduction to Probability and Statistics for Business 3

TT 421 Statistics I 3

EC 201 Introduction to Microeconomics 3

C 202 Introduction to Macroeconomics 3

/hile a cumulative University grade-point average of 2.30 is necessary to be considered for admission to the School, it does not uarantee admission. Admission decisions are based primarily on cumulative University grade-point average and grades in the ɔurses listed above. Other factors such as work experience, personal experience, performance in construction management ɔurses, and diversity may also be considered.

or additional information about admissions criteria and procedures, students should contact the Construction Management rogram in the School of Planning, Design, and Construction.

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DRAFT

CONSTRUCTION MANAGEMENT

The program is designed to provide a student with a background in managerial, technological, economic, social, political, and environmental aspects of residential and commercial construction. A systems approach is used and includes project management, construction science, land acquisition and development, real estate, finance, management, and marketing. Career opportunities include supervisory and managerial employment within commercial and residential contracting, land development, and real estate organizations; material distribution systems; financial institutions; and governmental agencies.

Admission as a Junior

Construction management builds upon a basic understanding of mathematics, physics, statistics, and economics to develop the skills necessary to manage construction projects. Prior to enrollment in the major, students must have demonstrated this basic understanding by a minimum performance in the courses listed and a minimum overall grade point average.

Enrollment in the construction management major is limited. Those seeking admission must at least meet the criteria listed below.

1. Completion of at least 56 credits with a cumulative University grade-point average of at least 2.30.
2. Completion of the following courses with a ~~minimum~~ grade ~~point average of~~ 2.00 in each course:

a.	MTH	124	Survey of Calculus I	3
b.	PHY	231	Introductory Physics I	3
c.	STT	200	Statistical Methods	3
	or			
	STT	201	Statistical Methods	4
	or			
	STT	315	Introduction to Probability and Statistics for Business	3
	or			
	STT	421	Statistics I	3
d.	EC	201	Introduction to Microeconomics	3
	or			
	EC	202	Introduction to Macroeconomics	3

While a cumulative University grade-point average of 2.30 is necessary to be considered for admission to the School, it does not guarantee admission. Admission decisions are based primarily on cumulative University grade-point average and grades in the courses listed above. Other factors such as work experience, personal experience, performance in construction management courses, and diversity may also be considered.

For additional information about admissions criteria and procedures, students should contact the Construction Management Program in the School of Planning, Design, and Construction.

Requirements for the Bachelor of Science Degree in Construction Management

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Construction Management.

   The University's Tier II writing requirement for the Construction Management major is met by completing Construction Management 385 or 435 or 436. Those courses are referenced in item 3. b. below.

   Students who are enrolled in the Construction Management major leading to the Bachelor of Science degree may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of Physics 231 and 251 *and* one of the following choices: Biological Science 110 *or* Biological Science 111 and 111L *or* Plant Biology 105 and 106 *or* Microbiology and Molecular Genetics 205 and 206. The com-

pletion of Physics 251 *and* Biological Science 110 *or* 111L *or* Plant Biology 106 *or* Microbiology and Molecular Genetics 206 satisfies the laboratory requirement. With adviser approval, for this laboratory requirement, Biological Science 111L, Plant Biology 106 and Microbiology and Molecular Genetics 206 may be waived if the student completes another chemistry laboratory course or a physics laboratory course beyond Physics 251.

Physics 231 and 251 and Biological Science 110 or 111 and 111L or Plant Biology 105 and 106 or Microbiology and Molcular Genetics 205 and 206 may be counted toward both the alternative track and the requirements for the major referenced in item 3. below.

The completion of the College of Agriculture and Natural Resources mathematics requirement may also satisfy the University mathematics requirement.

2. The requirements of the College of Agriculture and Natural Resources for the Bachelor of Science degree.

   Certain courses referenced in requirement 3. below may be counted toward College requirements as appropriate. The completion of Mathematics 124 satisfies the College's mathematics requirement.

3. The following requirements for the major:

		CREDITS
a.	All of the following courses:	70
	ACC 230 Survey of Accounting Concepts . . . 3	
	CMP 101 Principles of Building Construction Management . 2	
	CMP 124 Residential Construction Materials and Methods . 3	
	CMP 210 Commercial Construction Methods . . . 3	
	CMP 211 Building Codes . . . 3	
	CMP 222 Statics and Strengths of Materials . . . 3	
	CMP 230 Utility Systems . . . 4	
	CMP 305 Site Construction and Measurement . . . 3	
	CMP 315 Construction Quantity Surveying . . . 3	
	CMP 322 Structural Systems . . . 3	
	CMP 325 Real Estate Principles and Construction Finance . 4	
	CMP 328 Construction Presentation Graphics . . . 2	
	CMP 353 Land Development . . . 3	
	CMP 385 Construction Documents and Contracts (W) . . . 3	
	CMP 401 Construction Safety Management . . . 3	
	CMP 411 Construction Project Scheduling . . . 3	
	CMP 415 Cost Estimating and Analysis . . . 3	
	CMP 423 Construction Project Management . . . 3	
	COM 100 Human Communication . . . 3	
	CSE 101 Computing Concepts and Competencies . . . 3	
	GBL 323 Introduction to Business Law . . . 3	
	MTH 124 Survey of Calculus I . . . 3	
	PHY 231 Introductory Physics I . . . 3	
	PHY 251 Introductory Physics Laboratory I . . . 1	
	Students who pass a waiver examination will not be required to complete Computer Science and Engineering 101.	
b.	One of the following courses:	3
	CMP 435 Residential Building Projects (W) . . . 3	
	CMP 436 Commercial Building Projects (W) . . . 3	
	CMP 493 Professional Internship in Building Construction Management . . . 3	
c.	Complete four credits from the following courses:	4
	CEM 141 General Chemistry . . . 4	
	CEM 161 Chemistry Laboratory I . . . 1	
	FOR 419 Applications of Geographic Information Systems to Natural Resource Management . . . 4	
	PHY 232 Introductory Physics II . . . 3	
	PHY 252 Introductory Physics Laboratory II . . . 1	
d.	Complete one of the following courses:	3 or 4
	ADV 160 Media Relations for Professionals . . . 4	
	COM 225 An Introduction to Interpersonal Communication . 3	
	COM 240 Introduction to Organizational Communication . . . 4	
	ENG 226 Introduction to Creative Writing . . . 3	
	ENG 232 Writing as Exploration . . . 3	
e.	One of the following courses:	3 or 4
	STT 200 Statistical Methods . . . 3	
	STT 201 Statistical Methods . . . 4	
	STT 315 Introduction to Probability and Statistics for Business . . . 3	
	STT 421 Statistics I . . . 3	
f.	One of the following courses:	3
	EC 201 Introduction to Microeconomics . . . 3	
	EC 202 Introduction to Macroeconomics . . . 3	
g.	One of the following courses:	3
	FI 320 Introduction to Finance . . . 3	
	MSC 303 Introduction to Supply Chain Management . . . 3	
	MSC 327 Introduction to Marketing . . . 3	
h.	Complete the following course:	3
	MGT 325 Management Skills and Processes . . . 3	