

REQUEST TO COLLEGE CURRICULUM COMMITTEE FOR CURRICULAR IMPROVEMENTS

DEPARTMENT: EDMMS PROPOSED EFFECTIVE SEMESTER: Fall 2015 COLLEGE: CEAS

PROPOSED IMPROVEMENTS

Academic Program

- ☐ New degree*
- ☐ New major*
- ☐ New curriculum*
- ☐ New concentration*
- ☐ New certificate
- ☐ New minor
- ☐ Revised major
- ☐ Revised minor
- ☐ Admission requirements
- ☐ Graduation requirements
- ☐ Deletion ☐ Transfer
- ☐ Other (explain**)

Substantive Course Changes

- ☐ New course
- ☒ Pre or Co-requisites
- ☐ Deletion (required by others)
- ☐ Course #, different level
- ☐ Credit hours
- ☐ Enrollment restriction
- ☐ Course-level restriction
- ☐ Prefix ☐ Title and description
(attach current & proposed)
- ☐ General education (select one)
Not Applicable
- ☐ Other (explain**)

Misc. Course Changes

- ☐ Title
- ☐ Description (attach current & proposed)
- ☐ Deletion (not required by others)
- ☐ Course #, same level
- ☐ Variable credit
- ☐ Credit/no credit
- ☐ Cross-listing
- ☐ COGE reapproval
- ☐ Other (explain**)

**** Other:**

Title of degree, curriculum, major, minor, concentration, or certificate:

Existing course prefix and #: EDMM 3460 Proposed course prefix and #: Credit hours:

Existing course title: Programming for Computer-Aided Design

Proposed course title:

Existing course prerequisite & co-requisite(s): EDMM 2460 and CS 1110

Proposed course prerequisite(s): EDMM 2460 and CS 1110 or CS 1023

If there are multiple prerequisites, connect with "and" or "or". To remove prerequisites, enter "none."

Proposed course co-requisite(s)

If there are multiple corequisites, they are always joined by "and."

Proposed course prerequisite(s) that can also be taken concurrently:

Is there a minimum grade for the prerequisites or corequisites? "C"

The default grades are D for undergraduates and C for graduates.

Major/minor or classification restrictions: No Change

List the Banner 4 character codes and whether they should be included or excluded.

For 5000 level prerequisites & corequisites: Do these apply to: (circle one) undergraduates graduates both

Specifications for University Schedule of Classes:

a. Course title (maximum of 30 spaces):

b. Multi-topic course: ☐ No ☐ Yes

c. Repeatable for credit: ☐ No ☐ Yes

d. Mandatory credit/no credit: ☐ No ☐ Yes

e. Type of class and contact hours per week (check type and indicate hours as appropriate)

- | | | |
|---|--|--|
| 1. <input type="checkbox"/> Lecture | 3. <input type="checkbox"/> Lecture/lab/discussion | 5. <input type="checkbox"/> Independent study |
| 2. <input type="checkbox"/> Lab or discussion | 4. <input type="checkbox"/> Seminar or <input type="checkbox"/> studio | 6. <input type="checkbox"/> Supervision or practicum |

CIP Code (Registrar's use only):

Chair/Director

Date 10/22/14

Chair, College Curriculum Committee

Date 10/24/14

Dean

Date:

Graduate Dean:

Date

Curriculum Manager: Return to dean ☐ Date

Forward to:

Date

Chair, COGE/ PEB / FS President

Date

FOR PROPOSALS REQUIRING GSC/USC REVIEW:

* ☐ Approve ☐ Disapprove

Chair, GSC/USC

Date

* ☐ Approve ☐ Disapprove

Provost

Date

1. Explain briefly and clearly the proposed improvement.
When the Engineering Design Technology (EDT) program was created it called for CS 1023 which eliminated CS 1110. The intended prerequisite change for EDMM 3460 never occurred.

Therefore, the new prerequisite allows students to enter EDMM 3460 with either CS 1023 or CS 1110.

2. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.)
The faculty had run several trials to test the effectiveness of CS 1023 as preparation for the C++ skills used in EDMM 3460. The performance of students taking CS 1023 was found to be satisfactory. All students since spring of 2012 have taken CS 1023.
3. Effect on other colleges, departments or programs. If consultation with others is required, attach evidence of consultation and support. If objections have been raised, document the resolution. Demonstrate that the program you propose is not a duplication of an existing one.
Since the change has been in effect for over two years now, the change in enrollment is zero. The benefit to advisors and students will be reduced time, effort, and frustration in registering for classes.
4. Effect on your department's programs. Show how the proposed change fits with other departmental offerings.
None. This is the way the Engineering Design Technology program has been run for over two years now.
5. Effects on enrolled students: Are program conflicts avoided? Will your proposal make it easier or harder for students to meet graduation requirements? Can students complete the program in a reasonable time? Show that you have considered scheduling needs and demands on students' time. If a required course will be offered during summer only, provide a rationale.
The result for students is that they will now be able to register for EDMM 3460 when they have taken CS 1023 without having to make a special advising appointment. They end up taking this course sequence anyway.
6. Student or external market demand. What is your anticipated student audience? What evidence of student or market demand or need exists? What is the estimated enrollment? What other factors make your proposal beneficial to students?
The student demand over the last two years has proven to be around 26 students per year. Estimates are not needed.
7. Effects on resources. Explain how your proposal would affect department and University resources, including faculty, equipment, space, technology, and library holdings. Tell how you will staff additions to the program. If more advising will be needed, how will you provide for it? How often will course(s) be offered? What will be the initial one-time costs and the ongoing base-funding costs for the proposed program? (Attach additional pages, as necessary.)
None as stated above.
8. General education criteria. For a general education course, indicate how this course will meet the criteria for the area or proficiency. (See the General Education Policy for descriptions of each area and proficiency and the criteria. Attach additional pages as necessary. Attach a syllabus if (a) proposing a new course, (b) requesting certification for baccalaureate-level writing, or (c) requesting reapproval of an existing course.)
This has no effect on General education classes.
9. List the learning outcomes for the proposed course or the revised or proposed major, minor, or concentration. These are the outcomes that the department will use for future assessments of the course or program. **At this point, the intent is to deliver the program as it was accredited in the last TAC/ABET cycle.**
10. Describe how this curriculum change is a response to assessment outcomes that are part of a departmental or college assessment plan or informal assessment activities.
This change is not a response to recent outcomes assessments. However, the move from CS1023 to 1110 in the EDT curriculum reduced hours for students in response to the 124 credit hour ABET minimum.
11. (Undergraduate proposals only) Describe, in detail, how this curriculum change affects transfer articulation for Michigan community colleges. For course changes, include detail on necessary changes to transfer articulation from Michigan community college courses. For new majors or minors, describe transfer guidelines to be developed with Michigan community colleges. For revisions to majors or minors, describe necessary revisions to Michigan community college guidelines. Department chairs should seek assistance from college advising directors or from the admissions office in completing this section.
This has no effect on existing articulation agreements

OLD Catalog Copy:

EDMM 3460 - Programming for Computer-Aided Design

Modular software development for interactive CAD. Topics include human interface for interactive design, programming structure for modular entity creation, storing and retrieving object data, utilizing peripheral input and output devices, attribute regulation and control, and software transfer and documentation specifications.

Prerequisites & Corequisites: Prerequisites: EDMM 2460 and CS 1110.

Credits: 3 hours

Lecture Hours - Laboratory Hours: (2 - 3)

NEW Catalog Copy:

EDMM 3460 - Programming for Computer-Aided Design

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Prerequisites & Corequisites: Prerequisites: EDMM 2460 and CS 1110 or CS 1023.

Credits: 3 hours

Lecture Hours - Laboratory Hours: (2 - 3)

Subject: Re: Approval of Prerequisite change for IME 3460
From: Steven Carr <steve.carr@wmich.edu>
Date: 10/16/2014 2:54 PM
To: "Steven E. Butt" <steven.butt@wmich.edu>

I approve this change.

Steve

Dr. Steven M. Carr
Chair and Professor
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On Oct 16, 2014, at 12:40 PM, Steven E. Butt <steven.butt@wmich.edu> wrote:

Steve,

We are proposing to change the prereq for EDMM 3460 from IME 2460 and CS 1110 to EDMM 2460 and CS 1110 or CS 1023. This is what we have been doing, but we would like to formalize it. We have kept CS 1110, since some transfers come in with that number. If this is OK for CS, could you please return an email to that effect.

Thank you,

Steve

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Steven E. Butt
Professor and Chairman
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