



**1. Proposal Summary**

(Summary is generally less than one page. Briefly: state what is proposed with a summary of rationale and highlights. Additional rationale may be attached.)

**Revision of the Applied Mathematics Computer Science Concentration (AMCS) was approved during the 2008-2009 academic year. One of the changes in that revision, elimination of CPSC 244 from the curriculum, affects the Applied Mathematics (AMTH) program. Under the original AMTH program, students had choose one option of CPSC 200 or CPSC 244. With the elimination of CPSC 244, the “choose one” option will become a single course requirement, namely CPSC 200. The purpose of this proposal is to document this change.**

**2. Summary of All Course Action Required\***

**a. Newly Created Courses to FSU:**  
**Prefix            Number            Title**

**b. Courses to be Deleted From FSU Catalog:**  
**Prefix            Number            Title**

**c. Existing Course(s) to be Modified:**  
**Prefix            Number            Title**

**d. Addition of existing FSU courses to program**  
**Prefix            Number            Title**

**e. Removal of existing FSU courses from program**  
**Prefix            Number            Title**  
**CPSC            244            Scientific Programming with Fortran**



**3. Summary of All Consultations**

<b>Form Sent (B or C)</b>	<b>Date Sent</b>	<b>Responding Dept.</b>	<b>Date Received &amp; by Whom</b>
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**Not applicable**

**4. Will External Accreditation be Sought? (For new programs or certificates only)**

Yes                       No

**If yes, name the organization involved with accreditation for this program.**

**5. Program Checksheets affected by this proposal.**

Applied Mathematics



# GENERAL EDUCATION REQUIREMENTS

Courses which qualify in the Scientific Understanding (Z), Cultural Enrichment (C) and Social Awareness (S) categories are delineated in the General Education section of the FSU electronic catalog:

<http://www.ferris.edu/htmls/academics/gened/courses.html>

<b>I. GENERAL EDUCATION REQUIREMENTS</b>		
<b>A. COMMUNICATION COMPETENCE 12 Sem Credits</b>		
Course	Grade	Credit
ENGL 150		3
ENGL 250		3
ENGL 311 or 321 or 323 or 325		3
COMM 105 or 121		3
<b>TOTAL</b>		
<b>B. SCIENTIFIC UNDERSTANDING 7 Sem Credits</b>		
Only approved "Z" courses may count toward this category (one must be a lab course).		
Course	Grade	Credit
Lab		
<b>TOTAL</b>		
<b>C. QUANTITATIVE SKILLS</b>		
This requirement is satisfied through the program requirements area.		
<b>D. CULTURAL ENRICHMENT 9 Sem Credits</b>		
Only approved "C" courses may count toward this category. Requirements: 1) one course must be 200+ level, 2) maximum 5 credit hours of music and/or theater activities may apply		
Course	Grade	Credit
200+ level		
<b>TOTAL</b>		

<b>E. SOCIAL AWARENESS 9 Sem Credits</b>		
Only approved "S" courses may count toward this category. Requirements: 1) two different subject areas including at least one "foundation" course, 2) one 200+ level course		
Course	Grade	Credit
Foundation		
200+ level		
<b>TOTAL</b>		
<b>F. GLOBAL CONSCIOUSNESS</b>		
Each student must complete one course from the list of qualifying courses presented in the FSU catalog. This course may also count toward fulfilling the Cultural Enrichment or Social Awareness requirement.		
Course:		
<b>G. RACE/ETHNICITY/GENDER</b>		
Each student must complete one course from the list of qualifying courses presented in the FSU catalog. This course may also count toward fulfilling the Cultural Enrichment or Social Awareness requirement.		
Course:		

**SAMPLE COURSE SEQUENCE:** The following chart depicts one strategy to begin program requirements. In order to complete this program in four years, students must average 15 – 16 credit hours per semester. Students **MUST** consult their faculty advisor to develop a course sequence plan appropriate to their academic development and educational plans.

**FIRST YEAR Fall Semester**

MATH by placement	3-4
ENGL 150 English I	3
Cultural Enrichment elective	3-4
Social Awareness elective	3
CPC 200 or 244	3
	<b>15-17</b>

**FIRST YEAR Spring Semester**

Choose one: COMM 105 or COMM 121	3
MATH by placement	3-4
Scientific Understanding elective	3-5
Social Awareness	3
Cultural Enrichment	3
	<b>15-17</b>

**NOTICE REGARDING WITHDRAWAL, RE-ADMISSION AND INTERRUPTION OF STUDIES**

Students who return to the university after an interrupted enrollment (not including summer semester) must normally meet the requirements of the curriculum which are in effect at the time of their return, not the requirements which were in effect when they were originally admitted.



# GENERAL EDUCATION REQUIREMENTS

Courses which qualify in the Scientific Understanding (Z), Cultural Enrichment (C) and Social Awareness (S) categories are delineated in the General Education section of the FSU electronic catalog:

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ENGL 250		3
ENGL 311 or 321 or 323 or 325		3
COMM 105 or 121		3
<b>TOTAL</b>		
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Only approved "Z" courses may count toward this category (one must be a lab course).		
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Lab		
<b>TOTAL</b>		
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This requirement is satisfied through the program requirements area.		
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200+ level		
<b>TOTAL</b>		

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Course	Grade	Credit
Foundation		
200+ level		
<b>TOTAL</b>		
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Each student must complete one course from the list of qualifying courses presented in the FSU catalog. This course may also count toward fulfilling the Cultural Enrichment or Social Awareness requirement.		
Course:		
<b>G. RACE/ETHNICITY/GENDER</b>		
Each student must complete one course from the list of qualifying courses presented in the FSU catalog. This course may also count toward fulfilling the Cultural Enrichment or Social Awareness requirement.		
Course:		

**SAMPLE COURSE SEQUENCE:** The following chart depicts one strategy to begin program requirements. In order to complete this program in four years, students must average 16 – 17 credit hours per semester. Students **MUST** consult their faculty advisor to develop a course sequence plan appropriate to their academic development and educational plans.

**FIRST YEAR Fall Semester**

MATH by placement	3-5
ENGL 150 English 1	3
Cultural Enrichment elective	3-4
Social Awareness elective	3
CPSC 200 or 244	3
	<b>15-18</b>

**FIRST YEAR Spring Semester**

Choose one: COMM 105 or COMM 121	3
MATH by placement	3-5
Scientific Understanding elective	3-5
Social Awareness	3
Cultural Enrich.	3
	<b>15-19</b>

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02/11/2010 05:01 PM

**Course Curriculum Clean-up**  
Kirk Weller to: Donald Flickinger  
Cc: Gayle Driggers, Kirk Weller

Don,

Yesterday I started working on catalog updates. I discovered (with some help) that last-year's changes to the Applied Mathematics Computer Science Concentration affected the other applied mathematics concentrations. Specifically, I need to do a curriculum course clean-up for each of the concentrations (I also needed to do one for the Computer Science Certificate Program). I called Mo, who confirmed my hunch. However, in nearly every case, the change only involves removing a deleted course(s) from the checksheets. I am attaching all of the relevant paperwork, and hope you can expedite the process.

Kirk

AMAS:

    
FormA-AMAS-11Feb10.doc AMAS-ChecksheetCurrent.doc AMAS-ChecksheetRevised.doc

AMOR:

    
FormA-AMOR-11Feb10.doc AMOR-ChecksheetCurrent.doc AMOR-ChecksheetRevised.doc

AMST:

    
FormA-AMST-11Feb10.doc AMST-ChecksheetCurrent.doc AMST-ChecksheetRevised.doc

AMTH:

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Ferris State University  
1201 South State Street  
CSS 310  
Big Rapids, MI 49307  
Phone: 231.591.2553



FormA-AMTH-11Feb10.doc AMTH-ChecksheetCurrent.doc AMTH-ChecksheetRevised.doc



### Computer Science Certificate



FormA-CPSCCertificate-11Feb10.doc ComputerScienceCertificate-ChecksheetCurrent.doc ComputerScienceCertificate-ChecksheetRevised.doc



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**Revised Checksheets**  
Kirk Weller to: Donald Flickinger  
Cc: Kirk Weller

02/25/2010 08:43 PM

Don,

I think I addressed everything (I hope).

Kirk



AMAS-ChecksheetRevised-25Feb10.doc AMDR-ChecksheetRevised-25Feb10.doc AMST-ChecksheetRevised-25Feb10.doc AMTH-ChecksheetRevised-25Feb10.doc



ComputerScienceCertificate-ChecksheetRevised-25Feb10.doc ComputerScienceMinor-ChecksheetRevised-25Feb10.doc MATH-ChecksheetRevised-25Feb10.doc

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