To: Undergraduate Curriculum Committee  
Through: College of Engineering Academic Council  
Re: Prerequisites for CSE1001 and CSE1400

Changes to pre-calculus prompt us to revise prerequisites for CSE 1001 Fundamentals of Software Development 1 and CSE 1400 Applied Discrete Mathematics. Studies by the department have shown that those students taking pre-calculus while taking CSE 1001 and CSE 1400 get lower grades. In an effort to improve student performance in these classes, the department has tried to keep the prerequisites for CSE 1001 and CSE 1400 the same as those for MTH 1001 Calculus 1.

We wish to achieve the distinction between what we might call “calculus-ready” students and not “calculus-ready.” By “calculus-ready” we mean:

- A student passing MTH 1000 is calculus-ready.
- A student passing MTH 1012 is calculus-ready.
- A student passing MTH 1001, MTH 1002, MTH 2001 is calculus-ready.
- A student with AP, transfer credit, or the like for these courses is calculus-ready.
- A new student with a sufficient math placement score is calculus-ready.

Perhaps we overlooked something that might be equivalent and reasonable, but these seem to cover that majority of the cases we see. Also, we want to block register new students into either a “calculus-ready” block or another block for students who are not “calculus-ready.”

The current catalog description for CSE 1001 reads:

Requirement(s): Passing score on calculus placement test or prerequisite course  
Prerequisite: MTH 1000 or MTH 1001

Currently we are experiencing no problems, but in the past we have had to sign waivers for students passing MTH 1012 and students with MTH 1002 transfer credit, but were unable to enroll in CSE 1001. In order to prevent any possible future problems or misunderstanding, we propose to revise the prerequisites and use whatever wording is recommended to us. The wording for MTH 1001 reads:

Requirement(s): High school algebra and trigonometry, and a passing score on the placement test, or prerequisite course  
Prerequisite: MTH 1000, MTH 1012

Sincerely,

Ryan Stansifer  
Associate Professor
REQUEST TO CHANGE THE REQUIREMENTS FOR A COURSE

Any change, addition or removal of any restriction, or change in credit hours or availability for a course requires this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE: College of Engineering
DEPARTMENT: Computer Science and Cybersecurity

REQUEST IS FOR CHANGE IN COURSE
CSE 1001 Fundamentals in Software Development I

PREFIX NUMBER

TO BE INCLUDED IN 2016/2017 CATALOG
Course changes are effective beginning with the fall term in which they appear in the University Catalog.

IS REQUEST FOR A CHANGE IN THE NAME LISTED ABOVE?  Yes  No
If yes, requested name ____________________________

IS REQUEST FOR A CHANGE IN CREDITS FOR COURSE LISTED ABOVE?  Yes  No
If yes, current credits ____________________________ requested credits ____________________________

IS REQUEST TO CHANGE RESTRICTIONS FOR COURSE LISTED ABOVE?  Yes  No
If yes, please check all that apply:
Add  Remove  Prerequisite  Corequisite
MTTH 1012  or MTTH 1000  or

Add  Remove  Other Restrictions

*Other restrictions may include changing the grade mode (PF, S/N, A & C, EU), deactivating a course already in the system, majors or class levels restricted from registration, or other restrictions.

☐ Yes  ☐ No  Is this request for the course to be used to measure program-level student learning outcomes?

☐ Yes  ☐ No  Is this request for the course to satisfy the scholarly inquiry requirement? If yes, attach "Q" materials for review.

☐ Yes  ☐ No  Will this change impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

APPROVALS: Once appropriate department approvals are completed, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for signatures below and forward to the Catalog & Curriculum Manager.

1)  Ryan Stant  23 April 2015
   Originator  Date

2)  Chair, Graduate Council  4/27/15
   Date

3)  Chair, Undergraduate Curriculum Committee  4-30-15
   Date

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Florida Institute of Technology • Office of the Registrar
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REQUEST TO CHANGE THE
REQUIREMENTS FOR A COURSE

Any change, addition or removal of any restriction, or change in credit hours or availability for a course requires this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE: College of Engineering
DEPARTMENT: Computer Sciences and Cybersecurity

REQUEST IS FOR CHANGE IN COURSE

C S E 1 4 0 0
Applied Discrete Math
Course Title

Prefix Number

TO BE INCLUDED IN 20 16/20 17 CATALOG
Course changes are effective beginning with the fall term in which they appear in the University Catalog.

IS REQUEST FOR A CHANGE IN THE NAME LISTED ABOVE?  □ Yes   □ No
If yes, requested name ____________________________

IS REQUEST FOR A CHANGE IN CREDITS FOR COURSE LISTED ABOVE?  □ Yes   □ No
If yes, current credits ____________________________ requested credits ____________________________

IS REQUEST FOR CHANGES TO RESTRICTIONS FOR COURSE LISTED ABOVE?  □ Yes   □ No
If yes, please check all that apply:
□ Add  □ Remove   □ Prerequisite   □ Corequisite
Prefix Number

□ Add  □ Remove   □ Prerequisite   □ Corequisite
Prefix Number

□ Add  □ Remove   □ Other Restrictions*  □ Yes   □ No
If yes, please use box below:

*Other restrictions may include changing the grade mode (P/F, S/N), deactivating a course already in the system, majors or classes restricted from registration, or other restrictions.

□ Yes   □ No  Is this request for the course to be used to measure program-level student learning outcomes?

□ Yes   □ No  Is this request for the course to satisfy the scholarly inquiry requirement? If yes, attach "Q" materials for review.

□ Yes   □ No  Will this change impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program that is impacted.

APPROVALS: Once appropriate department approvals are completed, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for signatures below and forward to the Catalog & Curriculum Manager.

1) Orig:  Ryan Smith  23 April 2015
Date

2) Dept:  Dean/Program Chair  4/27/15
Date

3) Orig:  Dean of Associate Dean  4/30/15
Date

Chair, Graduate Council  Date

Chair, Undergraduate Curriculum Committee  Date

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