

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: _____ Keith Decker _____ phone number 831-1959 _____

Department: _____ CISC _____ email address _____decker@udel.edu_____

Date: _____ November 2010 _____

Action: _____ Revise major _____
(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term _____ 11F _____
(use format 04F, 05W)

Current degree _____ BA _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: _____ BA _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: _____ Computer Science _____
Proposed new name for revised or new major / minor / concentration / academic unit
(if applicable)

Revising or Deleting:

Undergraduate major / Concentration: _____
(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: _____
(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change: _____
(Must attach your Graduate Program Policy Statement)

Graduate Program of Study: _____
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: _____

Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.

List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter "None")

None.

Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education: <http://www.ugs.udel.edu/gened/>

This change only affects the wording of major's breadth requirements, and does not increase or decrease the number of credits involved in any breadth subarea.

Identify other units affected by the proposed changes:

(Attach permission from the affected units. If no other unit is affected, enter "None")

none

Describe the rationale for the proposed program change(s):

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

The Department of Computer and Information Sciences moved from the College of Arts & Sciences to the College of Engineering. The wording changes are to bring the catalog description into alignment with the new College.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and **include a side-by-side comparison** of the credit distribution before and after the proposed change.)

THERE IS NO CHANGE IN CREDIT DISTRIBUTION.

**DEGREE: BACHELOR OF ARTS
MAJOR: COMPUTER SCIENCE**

CURRICULUM

CREDITS

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing 3
(minimum grade C-)

First Year Experience (FYE) 0-4
University Breadth Requirement 12

These credits must be IN ADDITION TO the credits that satisfy the College of Engineering Breadth Requirements

Discovery Learning Experience (DLE) 3

COLLEGE OF ENGINEERING REQUIREMENTS**BREADTH**

[THIS SHOULD LINK TO THE COLLEGE OF ENGINEERING BREADTH REQUIREMENTS PAGE. REPEATED HERE FOR REFERENCE]

The College of Engineering requires 21 credits distributed as follows:

- Completion of 3 credits in each of the following University Breadth Requirement categories, with no more than one course taken from any single rubric (i.e., the four-letter subject code):
 - **Creative Arts and Humanities**
 - **History and Cultural Change**
 - **Social and Behavioral Sciences**
 - **Mathematics, Natural Sciences, and Technology**
 - 9 additional credits must be taken from the **University Breadth Requirement course list** in the **Creative Arts and Humanities**, **History and Cultural Change**, or **Social and Behavioral Sciences** categories and/or from the **College of Engineering Supplemental Course List**.
- Of the 21 credits, for timely progress toward degree completion, 3 credits must satisfy the **University Multicultural Requirement**
- Of the 21 credits, 6 must be at the upper level (usually a 300-level or above course) restricted to courses in the **Creative Arts and Humanities**, **History and Cultural Change**, and/or **Social and Behavioral Sciences** categories from the **University Breadth Requirement course list** and/or courses designated as upper level on the **College of Engineering Supplemental Course List**.
- All courses must be passed with a minimum grade of C-.

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- For the BA degree, none of the 21 College of Engineering breadth credits can overlap the 12 University breadth credits.
 - For the BA degree, an additional 4 credits in **Mathematics, Natural Sciences, and Technology** is required.

By completing both the University and College Breadth Requirements (a total of 37 credits), a candidate for a BA degree will have taken 9 credits total in each of **Creative Arts and Humanities**, **History and Cultural Change**, **Social and Behavioral Sciences**, and 10 credits total in **Mathematics, Natural Sciences, and Technology**, (of which the 10 credits are typically CISC 108, MATH 241, and MATH210).

MAJOR REQUIREMENTS

<u>CISC 108</u>	Introduction to Computer Science I	3
<u>CISC 181</u>	Introduction to Computer Science II	3
<u>CISC 220</u>	Data Structures	3
<u>CISC 260</u>	Machine Organization	3

CISC 275

and Assembly
Language
Introduction to 3
Software Engineering

Eighteen credits of Computer Science technical 18
electives numbered 301 or above, approved by
the student's advisor

MATH 210 Discrete Mathematics I 3
MATH 241 Analytic Geometry and 4
Calculus A

Minimum grade C- in the CISC courses. Minimum grade C- in **MATH 210** for students
who wish to take **CISC 303** or **CISC 304**.

SKILLS

Second Writing Requirement: (minimum 3
grade C-)

A second writing course involving significant writing experience including two papers
with a combined minimum of 3,000 words to be submitted for extended faculty critique
of both composition and content. This course must be taken after completion of 60
credit hours. Appropriate writing courses are designated in each semester's Registration
Booklet.

Foreign Language: (minimum grade D-) 0-12

Completion of the intermediate-level course (107 or 112 or 214) in an ancient or modern
language. The number of credits needed and initial placement will depend on the
number of years of high school study of foreign language. Students with four or more
years of high school work in a single foreign language, or who have gained proficiency
in a foreign language by other means, may attempt to fulfill the requirement in that
language by taking an **exemption examination** through the Foreign Languages and
Literatures Department.

ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet
the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 124

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson Daniel Chester Date 12/1/2010
Dean of College [Signature] Date 12/8/10
Chairperson, College Curriculum Committee [Signature] Date 12/6/2010

Chairperson, Senate Com. on UG or GR Studies _____ Date _____

Chairperson, Senate Coordinating Com. _____ Date _____

Secretary, Faculty Senate _____ Date _____

Date of Senate Resolution _____ Date to be Effective _____

Registrar _____ Program Code _____ Date _____

Vice Provost for Academic Affairs & International Programs _____ Date _____

Provost _____ Date _____

Board of Trustee Notification _____ Date _____

Revised 02/09/2009 /khs

