

Curriculum Proposal Process C: Change in General Education Requirements

I. Details

- A. Title (Program): BS in Computer Science
- B. Sponsors (Department): Stephen J. Hartley, Computer Science
- C. Relationship to Curriculum: **Change in General Education Requirements**
- D. Implementation: **Fall 2005**

Directions: Complete the following tables using these guidelines:

- All programs must have at least 42 semester hours of general education.
- Any bank can be expanded beyond the minimum required semester hours or range of semester hours in order to reach the required total of 42 semester hours.
- With the exception of the Non-Program Courses, at least two disciplines (or departments) should be represented in any bank requiring two or more courses. There is no limit on the number of courses from a discipline that can be in a bank as long as at least two disciplines are represented.
- Rowan Seminar, Writing Intensive, and Literature, Multicultural/Global courses may be completed as part of the General Education Requirements or as part of a major.
- Extending the General Education Requirements beyond 42 semester hours will require justification in terms of program learning goals, prerequisites for major coursework, or the need to reach a minimum of 120 semester hours for graduation.
- List the current requirements in the first column and the proposed requirements in the second column.
- List the number of semester hours required the proposed requirements in the third column.
- When specific courses are listed, include the Hegis number. When no specific course is required, list only 'Directed Electives' and the total number of semester hours required.

Communication Bank

Communication Current Required Courses and Semester Hours	Communication Proposed Required Courses and Semester Hours	Semester Hours (9-11 s.h. Minimum)*
1501.111 College Composition I 3sh	1501.111 College Composition I	3
1501.112 College Composition II 3sh	1501.112 College Composition II	3
1506.202 Public Speaking 3sh	1506.202 Public Speaking	3
	Total Semester Hours	9

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Mathematics and Science

Mathematics and Science Current Required Courses and Semester Hours	Mathematics and Science Proposed Required Courses and Semester Hours	Semester Hours (7-10 s.h. Minimum)
	(Math 4 sh): 1701.130 Calculus I	4
Lab Science Sequence I 4sh	(LAB, 4 sh): Lab Science Sequence I, chosen from Chemistry I, Biology I, and Physics with Calculus I	4
Lab Science Sequence II 4sh	Lab Science Sequence II, continuation of Lab Science Sequence I choice	4
Lab Science Choice 4sh	Lab Science Choice, chosen from a different discipline than Lab Science Sequence I and II and chosen from Chemistry I, Biology I, and Physics with Calculus I	4
	Total Semester Hours	16

Artistic and Creative Experience

Arts Current Required Courses and Semester Hours	Artistic and Creative Experience Proposed Required Courses and Semester Hours	Semester Hours (3 s.h. Minimum)
GE Arts 3sh	GE ACE	3
	Total Semester Hours	3

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History, Humanities, and Languages

History, Humanities, and Languages	History, Humanities, and Languages	Semester Hours (6 s.h. Minimum)
Current Required Courses and Semester Hours	Proposed Required Courses and Semester Hours	
Literature Choice 3sh	Literature Choice	3
GE HHL 3sh	GE HHL	3
GE HLL 3sh		
	Total Semester Hours	6

Social and Behavioral Sciences

Social and Behavioral Sciences	Social and Behavioral Sciences	Semester Hours (6 s.h. Minimum)
Current Required Courses and Semester Hours	Proposed Required Courses and Semester Hours	
4901.26x Computers and Society 3sh	4901.26x Computers and Society	3
GE SBS 3sh	GE SBS	3
GE SBS 3sh		
	Total Semester Hours	6

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Non-Program Courses

	Non-Program Courses *	Semester Hours (6 s.h. Minimum)
	Proposed Required Courses and Semester Hours	
	Student choice, must be Comm, ACE, HHL, or SBS to satisfy ABET accreditation	3
	Student choice, must be Comm, ACE, HHL, or SBS to satisfy ABET accreditation	3
	Total Semester Hours	6

Total Semester Hours Proposed General Education Requirements	46
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II. Rationale

1. How is the Rowan Seminar Requirement (RS) met?

Student choice (often a RS section of 0704.113 Introduction to Object-Oriented Programming).

2. How is the Writing Intensive Requirement (WI) met?

Student choice (often 4901.266 Computers and Society WI)

3. How is the Multicultural/Global Requirement (MC/G) met?

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Student choice.

4. Are there limits to the category “Non-Program Courses?” **YES**

If there are limits, what are they?

The 6 s.h. must be Comm, ACE, HHL, or SBS to satisfy ABET accreditation requirements.

5. Does the total of semester hours in each bank meet or exceed the minimum required hours?

YES

Yes.

6. Does the total number of semester hours meet the minimum 42 semester hours that are required?

YES

Yes.

7. Does the proposed general education requirements exceed 42 semester hours?

YES

If the proposed requirements exceed 42 semester hours, why are more than 42 semester hours necessary?

1701.130 Calculus I is a Program Requirement that we moved into the Math and Science bank to be in compliance. We do not want to remove the Lab Science Choice to compensate because of accreditation requirements.

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Moving Calculus I from the CS degree requirements into the Science and Math bank of the General Education requirements leaves the B.S. in Computer Science with 59 s.h. major requirements, 15 s.h. free electives, and 46 s.h. general education. Since a B.S. requires a minimum of 60 s.h., we will file a minor change curriculum proposal that reduces the free elective s.h. to 12 and increases the major requirements to 62 s.h. This will be accomplished by requiring an additional advanced restricted elective in the major, an increase from a total of three to four advanced restricted electives.