



UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

October 29, 2004

Mark A. Emmert, President

Dean Michael B. Eisenberg
The Information School
Box 352840

Dear Mike:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised requirements for the Bachelor of Science degree in Informatics. A copy of the change attached.

I am writing to inform you that the Information School is authorized to specify these requirements beginning winter quarter 2005.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Mark".

Mark A. Emmert
President

Enclosure

cc: Professor Harry Bruce (with enclosure)
✓ Mr. W. W. Washburn (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure) *INFORM-092909*



INFORM-092904

Creating & Changing Undergraduate Academic Programs*

After college/school review, send signed original and 8 copies to: FCAS, Box 351271

College: Information School Department or Unit: Informatics Date: Sept. 29, 2004

New Programs

- Leading to a Bachelor of _____ degree
- Leading to a Bachelor of _____ degree with a major in _____
- Leading to a _____ Option within the existing major in _____
- Leading to a Minor in _____

Changes to existing programs

- New Admission Requirements for the Major in _____ within the Bachelor of _____
- Revised Admission Requirements for the Major in _____ within the Bachelor of _____
- Revised Program Requirements for the Major in Informatics within the Bachelor of Science
- Revised Requirements for the Option in _____ within the major in _____
- Revised Requirements for the Minor in _____

Other Changes

- Change name of program from _____ to _____
- New or Revised Continuation Policy for _____
- Eliminate program in _____

Proposed Effective Date: (quarter/year) _____

Contact Person	Phone Number	Email
Mariko Navin	616-1197	mnavin@u.washington.edu

1. Explanation of and Rationale for Proposed Change: (Please use additional pages if necessary. For new programs, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support, and departmental handouts.)

The Informatics Program Committee approved in spring 2004 a new representation (or conceptualization) of the required coursework for majors. Specifically, the Informatics program used to be described as being comprised of two "strands" of core coursework, the "human-centered" and the "technical" strands. The faculty felt that it was important to articulate a third "strand" -- the Intragrated Strand -- to recognize and emphasize the set of courses that are unique to the Informatics approach, so the former 2-strand model was revised to become a 3-strand model. Major requirements will remain the same, but the degree audit will need to be revised to reflect the revised curriculum model.

As this change applies only to majors, it will not effect admission nor impact prospective students. It will also not impact graduation for major in any way as the required courses remain the same; the core courses will simply be reformatted under the 3 strand-model.

* For information about when and how to use this form please go to <http://www.washington.edu/faculty/facsenate/councils/fcas/1503/>.

Creating & Changing Undergraduate Academic Programs

2. Catalog Copy

A. Catalog Copy as Currently Written (*Include only sections/paragraphs that would be changed if your request is approved. Please cross out or otherwise highlight any deletions.*)

******Please note: The three strand model was submitted as part of the 2004-06 catalog revision. It appears below. The only changes required would be a correction in a word-processing error ("Integrative" to "Integrated.") ******

Major Requirements

92 credits as follows:

1. Courses required for admission to the program (see above)
2. *Human Centered Strand (20 credits):* INFO 310, INFO 311, INFO 320, and INFO 380
3. *Technical Strand (13 credits):* CSE 373, INFO 340, and INFO 341
4. Integrative Strand (23 credits): INFO 300, INFO 370, INFO 440, and INFO 490 or INFO 491
5. *Major Electives (12 credits minimum)* selected from upper-division electives from the Information School and approved courses from outside departments.

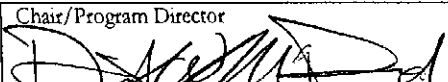
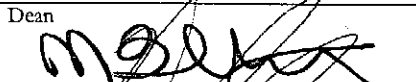
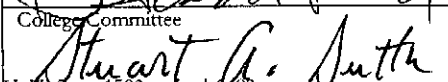
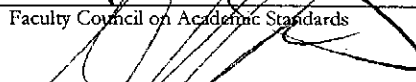
B. Proposed Catalog Copy, Reflecting Requested Changes (*Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications.*)

Major Requirements

92 credits as follows:

6. Courses required for admission to the program (see above)
1. *Human Centered Strand (20 credits):* INFO 310, INFO 311, INFO 320, and INFO 380
2. *Technical Strand (13 credits):* CSE 373, INFO 340, and INFO 341
3. Integrated Strand (23 credits): INFO 300, INFO 370, INFO 440, and INFO 490 or INFO 491
4. *Major Electives (12 credits minimum)* selected from upper-division electives from the Information School and approved courses from outside departments.

3. Signatures (required)

Chair/Program Director 	Date 9/30/04	Dean 	Date 10/1/04
College Committee 	Date 10/1/04	Faculty Council on Academic Standards 	Date 10-8-04

INFORMATICS PROGRAM REQUIREMENTS (92 CREDITS)**Program Prerequisites: Required for Admission (24 credits)**

- INFO 100 Fluency in Information Technology* (5 credits)
**INFO 100 is waived for those students who have already completed CSE 142, an equivalent or higher course.*
- CSE 142 Computer Programming for Engineers and Scientists I (4 credits)
- CSE 143 Computer Programming for Engineers and Scientists I (5 credits)
- STAT 311 Elements of Statistical Methods (5 credits)
- one English composition course selected from the University list (5 credits)

Major Coursework: After Admission (68 -73 credits)**Human-Centered Strand (20 credits)**

- INFO 310 Individual Perspectives on Information Systems (5 credits)
- INFO 311 Organizational, Societal, and Global Perspectives on Information Systems (5 credits)
- INFO 320 Information Needs, Searching, and Presentation (5 credits)
- INFO 380 Information Systems, Analysis, and Management (5 credits)

Technical Strand (13 credits)

- CSE 373 Data Structures and Algorithms (Prereq: CSE 143) (3 credits)
- INFO 340 Database Management and Information Retrieval (Prereq: CSE 373) (5 credits)
- INFO 341 Computer Networks and Distributed Applications (5 credits)

Integrated Strand (23 credits).

- INFO 300 Intellectual Foundations of Informatics (5 credits)
- INFO 440 Design Methods for Interaction and Systems (Prereq: CSE 373, INFO 300) (5 credits)
- INFO 470 Research Methods in Informatics (Prereq: STAT 311) (5 credits)
- Informatics Capstone (8 credits). One of the following:
 - INFO 490 Design and Development of Interactive Systems (Prereq: INFO 340, 341, INFO 380, and INFO 440)
 - INFO 491 Research in Informatics (Prereq: INFO 310, INFO 380, INFO 440, and INFO 470)

Major Electives (Minimum 12-17 credits*).

- Complete at least 12 additional credits from among upper-division Informatics electives or courses from outside departments as approved. (For more information, see <http://www.ischool.washington.edu/programs/informatics/majorelectives.aspx>.)
- * *Students admitted without INFO 100 must take a minimum of 17 Major Elective credits.*

PROGRAM REQUIREMENTS

PREREQUISITES

PREREQUISITES TOTAL: 24

English Composition (5)	CSE 142 (4)	INFO 100* (5)
STAT 311 (5)	CSE 143 (5)	

REQUIRED CORE COURSES

CORE TOTAL CREDITS: 56

<i>Human-Centered Strand</i>	<i>Technical Strand</i>	<i>Integrated Strand</i>
INFO 310 (5)	CSE 373 (3)	INFO 300 (5)
INFO 311 (5)	INFO 340 (5)	INFO 440 (5)
INFO 320 (5)	INFO 341 (5)	INFO 470 (5)
INFO 380 (5)		INFO 490/INFO 491 (8)
Human-Centered Total: 20	Technical Strand Total: 13	Integrated Strand Total: 23

MAJOR ELECTIVES

MAJOR ELECTIVES (MINIMUM 12 CR): 12

Selected from upper-division Informatics courses or approved outside department courses.

INFO 414 (5)	INFO 344 (5)	INFO 424 (5)
INFO 454 (5)	INFO 455 (5)	INFO 444 (5)
INFO 458 (2)	INFO 446 (5)	INFO 447 (5)
INFO 484 (5)	INFO 498 Special Topics (1-5)	INFO 498 Special Topics (1-5)
INFO 498 Special Topics (1-5)		

TOTAL REQUIRED CREDITS FOR MAJOR: 92

* INFO 100 will be waived for those students who have completed CSE 142 or a higher course.
Students admitted without INFO 100 will take 17 credits of Major Electives.

RECOMMENDED COURSEWORK

1ST-YEAR INFORMATICS COURSEWORK

<i>Autumn</i>	<i>Winter</i>	<i>Spring</i>
INFO 300 (5)	INFO 310 or INFO 311 (5)	INFO 311 or INFO 310 (5)
INFO 320 (5)	INFO 340 or INFO 341 (5)	INFO 341 or INFO 340 (5)
CSE 373 (or CSE 143) (3 or 5)	CSE 373 (3) or INFO 380 or Major Electives (5)	INFO 380 or Major Electives (5)

2ND-YEAR INFORMATICS COURSEWORK

<i>Autumn</i>	<i>Winter</i>	<i>Spring</i>
INFO 440 (5)	Capstone - 490 (8) or 491 (4)	Capstone - 491 (4)
INFO 470 (5)	Major Electives	Major Electives (5)
Electives, internships, or research involvement (optional)		

May: Capstone Presentation

INFORMATICS PROGRAM REQUIREMENTS (92 CREDITS)

Program Prerequisites: Required for Admission (24 credits)

- INFO 100 Fluency in Information Technology* (5 credits)
**INFO 100 is waived for those students who have already completed CSE 142, an equivalent or higher course.*
- CSE 142 Computer Programming for Engineers and Scientists I (4 credits)
- CSE 143 Computer Programming for Engineers and Scientists I (5 credits)
- STAT 311 Elements of Statistical Methods (5 credits)
- one English composition course selected from the University list (5 credits)

Major Coursework: After Admission (68 -73 credits)

Human-Centered Strand (30 credits)

- INFO 300 Intellectual Foundations of Informatics (5 credits)
- INFO 310 Individual Perspectives on Information Systems (5 credits)
- INFO 311 Organizational, Societal, and Global Perspectives on Information Systems (5 credits)
- INFO 320 Information Needs, Searching, and Presentation (5 credits)
- INFO 370 Research Methods in Informatics (Prereq: STAT 311) (5 credits)
- INFO 380 Information Systems, Analysis, and Management (5 credits)

Technical Strand (18 credits)

- CSE 373 Data Structures and Algorithms (Prereq: CSE 143) (3 credits)
- INFO 340 Database Management and Information Retrieval (Prereq: CSE 373) (5 credits)
- INFO 341 Computer Networks and Distributed Applications (5 credits)
- INFO 440 Design Methods for Interaction and Systems (Prereq: CSE 373, INFO 300) (5 credits)

Informatics Capstone (8 credits) One of the following:

- INFO 490 Design and Development of Interactive Systems (Prereq: INFO 340, 341, INFO 380, INFO 440)
- INFO 491 Research in Informatics (Prereq: INFO 310, 380, 440, 370)

Major Electives (Minimum 12-17 credits*).

- Complete at least 12 additional credits from among upper-division Informatics electives or courses from outside departments as approved. (For more information, see <http://www.ischool.washington.edu/programs/informatics/majorelectives.aspx>.)

* Students admitted without INFO 100 must take a minimum of 17 Major Elective credits.