



UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

Mark A. Emmert, President

June 20, 2008

Dean Harry Bruce
The Information School
Box 352840

Dear Harry:

Based on the recommendation of the Faculty Council on Academic Standards, the Faculty Council on Tri-Campus Policy has recommended approval of the revised admission and program requirements and the new options in Human-Computer Interaction and Information Architecture within the Bachelor of Science degree in Informatics. A copy of the change is attached.

I am writing to inform you that the Information School is authorized to specify these requirements beginning autumn quarter 2008.

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,

Mark A. Emmert
President

Enclosure

cc: Ms. Cris Mesling (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Todd Mildon, J.D. (with enclosure INFO-20080311)



UNIVERSITY OF WASHINGTON
**CREATING AND CHANGING UNDERGRADUATE
 ACADEMIC PROGRAMS**

MAR 03 2008

OFFICE USE ONLY
 Control #
INFO 20060311

After college/school review, send a signed original and 8 copies to FCAS, Box 355850.

For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College Information School	Department or Unit Information School Office of Academics	Date 3/11/08
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New Programs

- Leading to a Bachelor of _____ in _____ degree.
- Leading to a Bachelor of _____ degree with a major in _____
- Leading to a HCI or IA Option within the existing major in Informatics
- 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 Informatics within the Bachelor of Science
- 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: Autumn Winter Spring Summer **Year: 20_08**

Contact Person Cris Mesling	Contact's Phone 206 — 616 — 1154	Contact's Email crism@u.washington.edu
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EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new programs, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. (Use additional pages if necessary).

Please see attached.

CATALOG COPY

Catalogue Copy as currently written. Include only sections/paragraphs that would be changed if you request is approved. Please cross out or otherwise highlight any deletions.

Please see attached.

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)

Please see attached.

SIGNATURES (required)

Chair/Program Director	<i>Scott F. Barker</i>	Date	<i>3/12/08</i>
Dean	<i>MA J. AS</i>	Date	<i>3/12/08</i>
College Committee	<i>Cristal Mendez</i>	Date	<i>3/12/08</i>
Faculty Council on Academic Standards	<i>George Della</i>	Date	<i>4/18/08</i>

UoW 1503 (12/05) REVERSE

Sean Ziller (post transcript) 5/16/08



EXPLANATION AND RATIONALE FOR PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN INFORMATICS DEGREE

Over the past year the Information School has engaged in a major strategic planning effort that focused on all aspects of the school. As part of that effort we reviewed each of our academic programs with input from faculty, staff, students, alumni, employers, and other stakeholders.

Based on that review, the faculty of the Information School propose the following changes and improvements to our undergraduate Informatics program, effective for students who enter Fall 2008:

1. Change Program Admission Requirements – our existing foundations course, INFO 300 Intellectual Foundations of Informatics will be renumbered to INFO 200 (course change form submitted separately) and become a program pre-requisite (taken prior to admission). INFO 300 is currently taken after admission to the program.

This change allows us to target that course at sophomores who are considering the Informatics major. This gives students an opportunity to learn about the Information field and why they might want to major in Informatics before they apply. Our current pre-requisite courses are based in other schools or colleges (students are required to take a Computer Science class, a Statistics class etc.) so many have no real exposure to the Information School before applying to the program.

2. Change our program requirements to focus on areas of strength in the school and require that all students take at least one course in each of those areas. Those areas are Human Computer Interaction (new INFO 360 User-Centered Design course recently proposed), Information Architecture (new INFO 330 Information Structures course recently proposed), and Networks and Information Assurance (new INFO 343 Web Technologies course recently proposed).

In two of those areas, Human-Computer Interaction (HCI) and Information Architecture (IA), students will be able to obtain a transcriptable “option” by completing a set of additional courses (4 courses/16 credits minimum – details attached). The HCI and IA options allow students to gain additional depth in a focused area of study and highlight an area of knowledge that is well understood by employers. While each option is only 4 courses long, those four courses are building on at least one required course in the same area. As a result, there is more depth in each option area than may initially be apparent.

The HCI option is the result of a collaborative effort between faculty in the Information School, Computer Science and Engineering, School of Art Division of Design, and Technical Communication. A letter of support for the HCI option from the Chairs of those departments has been attached.

One challenge we currently face with Informatics is that the program is fairly new, broad in scope, and the name of the degree is not well understood. By having the terms “Human-Computer Interaction” or “Information Architecture” appear on their transcript, students will be better able to

explain and market their degree upon graduation.

Both the HCI and IA options are optional. Students who wish to take a more broad-based program will take additional major electives in place of the option requirements.

3. Many employers and alumni felt that project management was a major gap in our old curriculum. To address that, we propose that INFO 481 Project Management for Informatics (new course recently approved) be added as a program requirement.
4. To remove overlap in the existing curriculum we propose merging the existing INFO 311 and INFO 454 courses into a new required course INFO 450 Information Policy (new course recently proposed). INFO 311 and INFO 454 will be deleted from the curriculum at a later date.
5. With a change in emphasis, the following courses would no longer be required, and instead would be made electives:

INFO 310 Individual Perspectives on Information Systems
INFO 320 Information Needs, Searching, and Presentation
INFO 341 Computer Network and Distributed Applications

New requirements for the degree therefore would be the recently proposed/approved:

INFO 330 Information Structures
INFO 343 Web Technologies
INFO 360 User-Centered Design
INFO 450 Information Policy
INFO 481 Project Management for Informatics

as well as the following courses that continue as program requirements without modification:

CSE 143 Programming II
CSE 373 Data Structures/Algorithms
INFO 340 Database/IR
INFO 380 Information Systems Analysis and Management
INFO 470 Research Methods in Informatics
INFO 490 Design and Development of Interactive Systems (Capstone)

Notes: A color slide that summarizes the entire Informatics program after all of these changes are made is attached.

Currently enrolled students will not be penalized or negatively impacted in any way by the proposed changes. They will be able to complete their program under the old requirements

without issue by us simply allowing them to substitute INFO 450 for the old INFO 311 requirement. All other changes apply to new incoming students only.



March 6, 2008

MEMORANDUM

TO: University of Washington Curriculum Committee

FM: Harry Bruce, Dean, Information School *HWB*
 Hank Levy, Chair, Computer Science and Engineering *[Signature]*
 Christopher Ozubko, Director, School of Art *[Signature]*
 Judy Ramey, Chair, Technical Communications *[Signature]*

RE: Human-Computer Interaction (HCI)

According to the Association for Computing Machinery (ACM), "Human-Computer Interaction is a discipline concerned with the design, evaluation, and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them" [SIGCHI]. HCI is necessarily a multidisciplinary field – incorporating facets of information science, computer science, design, and technical communication among other fields.

At the University of Washington, we have faculty and students interested in HCI located within multiple schools and colleges who have come together and established a group known as the DUB group (design:use:build) to foster collaboration, community, and research.
<http://dub.washington.edu/>

Owing to the strong relationships that have developed as a result of these collaborations, the Information School, Department of Computer Science & Engineering, Department of Technical Communication, and the Division of Design within the School of Art recognize that in order for HCI to be strong at the University of Washington, it is critical that all of us work together. HCI as an area of study must incorporate the perspectives of our individual disciplines, but none of us can do it fully on our own.

A small group of faculty from each of our departments has been working on an undergraduate "concentration" in Human-Computer Interaction. That concentration will allow students to select courses from multiple participating departments. It is likely that the Information School

will be the first to bring this concentration to the UW Curriculum Committee for approval in Spring 2008. The iSchool will request that this become a transcriptable option within their undergraduate Informatics program and all of us support the Information School's request to approve a transcriptable option in HCI.

In the future, Technical Communication, Computer Science & Engineering, and the Division of Design may similarly come to the UW Curriculum Committee with a proposal related to the establishment of a concentration or transcriptable option in HCI within their units. Again, we are all fully supportive of any such initiative.

While academically speaking HCI is a new and developing field, the University of Washington is becoming a global leader. We already have exceptional faculty collaborating on world-class research and by working together we will be able to extend our collaboration directly to our students in the classroom. Students will be able to obtain first-class academic preparation in a variety of different forms ranging from individual courses all the way up to perhaps a new major one day.

We believe that this is just the beginning of a strong and growing partnership across our units and that this partnership will allow HCI to grow and flourish as an academic area of study at the University of Washington.

Undergraduate Program

Informatics students design, build, implement and secure information systems that meet human, organizational, and societal needs.

Students have a strong people focus and they excel as User Experience Designers, Business Analyst, Data Managers, Information Architects, Web Developers, and Information Assurance professionals.

Adviser
470 Mary Gates Hall
Box 352840
206-543-1794
informatics@ischool.washington.edu

The Information School offers a Bachelor of Science degree in informatics, with options in human-computer interaction and information architecture.

Bachelor of Science

Suggested First- and Second-Year College Courses: INFO 100, INFO 200, an English composition course (selected from the University list), CSE 142, CSE 143, and STAT 311 or Q METH 201, courses that develop strong analytical, qualitative and quantitative reasoning skills; courses that develop strong written and oral communication skills; courses that provide exposure to a variety of social science fields such as psychology, sociology, anthropology, or philosophy.

Program Admission Requirements

Regular Admission

1. INFO 100 (5); INFO 200 (5); CSE 142 (4); STAT 311 (5) or Q METH 201 (4); one English composition course selected from the University list (5), with a minimum grade of 2.0 in each course. Departmentally approved transfer equivalents may be used to substitute for prerequisite courses. Students with a previous technology background can request INFO 100 be waived. If INFO 100 is waived, students take an additional (5) elective credits in the major.
2. Minimum 2.00 cumulative college GPA.
3. Admission is competitive, based on the following criteria:
 - a. Overall academic performance
 - b. Grades in courses required for admission to the major
 - c. Personal statement reflecting an interest in and commitment to becoming a major in this field

- d. Other evidence of interest and commitment to the field (e.g., work experience, internships).

Meeting the above criteria does not guarantee admission.

4. Application deadline is April 15. Students apply online at www.ischool.washington.edu/informatics .

5. Admissions are done annually and new students enter the program in the autumn quarter. Most students apply the spring of their sophomore year and begin the program the following autumn quarter as a junior.

6. Transfer students should contact the Information School as soon as they become interested in the informatics major. The School will consider courses equivalent to INFO 100 and INFO 200 and may allow a student to be admitted provisionally on the condition that the student completes those classes or equivalent with a minimum grade of 2.0 early in the program.

Freshman Direct Admission Program (FDAP)

1. Designed to recruit top high school students to the program and to the UW. Students who indicate an interest in the Informatics program are automatically considered for FDAP participation upon application to the UW. They are evaluated based on careful review of qualitative and quantitative factors, including high school GPA, SAT scores, personal statement, and any additional information provided in their application file. Students selected for FDAP are involved in the academic and social life of the Information School, participating in courses, activities, and research opportunities as appropriate during their freshman and sophomore years.

2. The number of early admission (FDAP) students will not exceed 10% of the number of majors admitted each year.

Major Requirements

94-99 credits as follows:

1. Courses required for admission to the program (19-24 credits, as described above)
2. Core courses (53 credits): INFO 330 (5), INFO 340 (5), INFO 343 (5), INFO 360 (5), INFO 380 (5), INFO 450 (5), INFO 470 (5), INFO 481 (4), INFO 490 (8), CSE 143 (3), CSE 373 (3).
3. Areas of study (16-20 credits). Students can choose to obtain a transcriptable option in either Human-Computer Interaction (HCI) or Information Architecture (IA) (see

below). Alternatively, students can work with their advisor to select a minimum of four classes (16-20 credits) to create a custom program that is aligned with their personal interests or career goals. For example, networking and information assurance as well as social computing/social informatics are additional areas of strength within the school.

General Education and Areas of Knowledge Requirement. Students must satisfy the following:

- a. English composition (5 credits)
- b. Quantitative/Symbolic Reasoning (5 credits)
- c. Writing courses (10 credits)
- d. Natural World (20 credits)
- e. Individuals & Societies (20 credits)
- f. Visual, Literary, & Performing Arts (20 credits)

Up to 15 credits from designated informatics major courses may be counted towards the UW Areas of Knowledge requirement (Natural World, Individuals & Societies, Visual, Literary & Performing Arts).

Students must earn a minimum of 180 credits to graduate.

Options

Human-Computer Interaction (HCI) Option (16-20 credits). The notation "Human-Computer Interaction" will be transcribed as an option for a student who graduates with a degree in Bachelor of Science in Informatics and who completes the following requirements:

Take a minimum of four classes, totaling at least 16 credits, from the course areas listed below, with the following distribution:

1. At least one class must be taken in two of the four areas listed below besides Foundations (User Interface Software and Technology; Design; Usability and User Research; Social and Ethical Dimensions). Note: INFO 360 (User Centered Design), the Information School HCI Foundations course, is a requirement for all Informatics majors. Students can take additional HCI Foundations courses that do count toward the four class HCI requirement from the list below.
2. At least one class from the list below must be taken from a participating department outside the Information School (ART, CSE, or TC).

3. Special topics courses such as INFO 498, TC 490, and TC 496 (Directed Research in Technical Communication) may be approved as classes within any of the course areas below on an individual, per-course basis, depending on subject matter.

Course Areas:

Foundations

ART 383 Introduction to Interaction Design (5)

CSE 440 Introduction to HCI: User Interface Design, Prototyping Eval

TC 319 Survey of Concepts of Human-Computer Interaction (5)

User Interface Software and Technology

CSE 441 Advanced HCI: Advanced User Interface Design, Prototyping, and Eval(5)

INFO 344 Web Tools and Development (5)

TC 438 Web Technologies (5)

Design

ART 483 Fundamentals in Interface Design (5)

ART 484 Advanced Projects in Interaction Design (5)

INFO 424 Information Visualization and Aesthetics (5)

TC 455 User Interface Design (4)

Usability and User Research

INFO 310 Individual Perspectives on Information Systems (5)

TC 317 Survey of Usability Research Techniques (5)

TC 318 Survey of User Experience Design (5)

Social and Ethical Dimensions

INFO 444 Value Sensitive Design (5)

INFO 447 Computer Supported Cooperative Work (5)

Information Architecture (IA) Option (16-20 credits). The notation "Information Architecture" will be transcribed as an option for a student who graduates with a degree in Bachelor of Science in Informatics and who completes four classes from the following list:

INFO 320 Information Needs, Searching and Presentation (5)

INFO 344 Web Tools and Development (5)

INFO 431 Metadata Design (3)

INFO 432 Ontology Design (3)

INFO 445 Advanced Database Design, Management and Maintenance (5)

INFO 446 Advanced Search Engine Systems (5)

Note: The classes in the Information Architecture option build upon INFO 330 Information Architecture, INFO 340 Database Management and Information Retrieval,

and INFO 343 Web Technologies. INFO 330, 340, and 343 are required of all students in the major.

Continuation Policy

Students are expected to make satisfactory progress towards attainment of the Bachelor of Science in Informatics degree. Under normal circumstances, an informatics major attending full-time would make satisfactory progress by completing the major requirements in approximately two years after admission to the major, or within three years for students admitted to the major as sophomores. Lack of academic progress may be evidenced by low scholarship as well as excessive course repeats, course drops, or University withdrawals and cancellations. For more details, see adviser.

Student Outcomes

- *Learning Objectives and Expected Outcomes:* The Informatics program prepares students for a wide range of endeavors in the information field including information management and technology, research and information services, interactive system design, human-computer interaction, information architecture, information assurance, networking, and information science.

Graduates of the Informatics program are qualified for jobs in the information and technology industry and in business, public service, and other various professions. Possible job titles User Experience Designer, Business Analyst, Consultant, Usability Engineer, Data Manager, Information Architect, Web Developer, Network Manager, Project Manager, and Information Assurance Professional.

The program also provides strong preparation for graduate studies. Graduates are successfully placed in prestigious graduate schools and pursue a variety of programs, including information and management science, information science, biomedical informatics, business and accounting, and information technology.

Informatics student learning outcomes include the ability to assess people's information needs and behavior; ability to design information systems to meet people's information needs; ability to work with information technologies (e.g., database, networks, Internet-based, interface design); ability to evaluate the impact of information technologies on people; ability to communicate effectively; ability to manage projects; ability to build working systems; ability to organize and manage information; ability to work effectively individually and as part of a team; and ability to understand the research process and its implication for information systems design and use. All Informatics courses are designed to produce these outcomes through a rigorous experiential learning approach that emphasizes group work, research, writing, oral presentations, and technology.

- *Instructional and Research Facilities:* Located on the third and fourth floors of Mary Gates Hall, the School offers an extensive software collection, a state-of-the-art computer classroom, an innovative Technology Exploration (TE) Lab, and excellent network

connectivity. Students have access to software applications including titles for database and text management, programming, graphics, multimedia production, web development, Internet exploration, project management, group collaboration, and office productivity.

The School also has a dedicated information science research facility at the Roosevelt Commons Building. The research space comprises 7,000 square feet of offices, workstations, research labs, and meeting spaces.

- *Honors Options Available:* With College Honors; With Distinction (Departmental Honors). See adviser for requirements.
- *Research, Internships, and Service Learning:* Internships are encouraged, but not required. Students participate in a variety of internships, paid and non-paid. A significant number of students also work part-time in Informatics or technology-related positions, and participate in public service.

Informatics students are extensively engaged in faculty research and internships. A significant percentage of informatics students participate in the University's Undergraduate Research Symposium each year. Students have co-authored publications with faculty, had their research accepted for presentation at national conference poster sessions.

- *Departmental Scholarships:* The Henry Scholarships, in the amount of approximately \$1500 each, are awarded to three second-year majors in recognition for academic achievement, leadership, and service to the School and in professional/student activities. Students to be considered for the award are nominated by the Information School faculty and Undergraduate Program Committee members. The merit-based awards, named after the founder of the school and first director, William Henry, are intended to recognize and honor student achievement.
- *Student Organizations/Associations:* Undergraduates participate in a number of the School's many student organizations, including the UW Informatics Undergraduate Association (IUGA) and the student chapter of the American Society of Information Scientists and Technology (ASIST).

Of Special Note:

Capstone Projects: Students often use their capstone projects to identify interest areas, develop skills, and prepare for future pursuits. Through capstone projects, students demonstrate the skills, understandings and competencies they can successfully use to prepare for employment and graduate studies.

Information Sessions: Prospective students are encouraged to attend an Informatics information session. For a schedule of information sessions, visit the Web at www.ischool.washington.edu/informatics/.

BS in Informatics: Changes to major and new options

Existing Catalogy Copy

Undergraduate Program

~~Informatics refers to the study of information systems and technology from a human perspective. It features the Information School's emphasis on a human-centered approach to systems design.~~

~~Informatics students study a range of information constructs, from simple systems that support personal information management to complex systems that involve vast databases of distributed information manipulated in real-time by high-speed computer technologies. They analyze national and global information policy, the management of formal information systems in organizations, and the subtleties of everyday information behavior. Also, they invent methods for representing, classifying, and retrieving information and design new information systems responsive to people's needs and values.~~

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Bachelor of Science

~~*Suggested First- and Second-Year College Courses:* INFO 100, an English composition course (selected from the University list), CSE 142, CSE 143, and STAT 311, courses that develop strong analytical, qualitative and quantitative reasoning, and written and oral communication skills as well as courses that provide exposure to a variety of social science fields.~~

Proposed Catalog Copy

Undergraduate Program

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Program Admission Requirements

Regular Admission

1. INFO 100 (5 credits); CSE 142 (4); STAT 311 (5) or QMETH 201 (4); one English composition course selected from the University list (5), with a minimum grade of 2.0 in each course. Departmentally approved transfer equivalents may be used to substitute for prerequisite courses. ~~(Students may not receive credit for INFO 100 taken after CSE 142. Therefore, INFO 100 will be waived for students who have already completed CSE 142 or equivalent. If INFO 100 is waived, students make up the 5 credits by taking additional elective credits in the major.)~~
2. Minimum 2.00 cumulative college GPA.
3. Admission is competitive, based on the following criteria:
 - a. Overall academic performance
 - b. Grades in courses required for admission to the major
 - c. Personal statement reflecting an interest in and commitment to becoming a major in this field
 - d. Other evidence of interest and commitment to the field (e.g., work experience, internships).

Meeting the above criteria does not guarantee admission.

4. Application deadline is April 15. Students apply online at www.ischool.washington.edu. ~~Admission is for autumn quarter only.~~

Program Admission Requirements

Regular Admission

1. INFO 100 (5); INFO 200 (5); CSE 142 (4); STAT 311 (5) or QMETH 201 (4); one English composition course selected from the University list (5), with a minimum grade of 2.0 in each course. Departmentally approved transfer equivalents may be used to substitute for prerequisite courses. Students with a previous technology background can request INFO 100 be waived. If INFO 100 is waived, students take an additional (5) elective credits in the major.
2. Minimum 2.00 cumulative college GPA.
3. Admission is competitive, based on the following criteria:
 - a. Overall academic performance
 - b. Grades in courses required for admission to the major
 - c. Personal statement reflecting an interest in and commitment to becoming a major in this field
 - d. Other evidence of interest and commitment to the field (e.g., work experience, internships).

Meeting the above criteria does not guarantee admission.

4. Application deadline is April 15. Students apply online at www.ischool.washington.edu/informatics .

5. Admissions are done annually and new students enter the program in the autumn quarter. Most students apply the spring of their sophomore year and begin the program the following autumn quarter as a junior.

6.5 Transfer students should contact the Information School as soon as they become

- Transfer students should contact the Information School as soon as they become interested in the informatics major. The School will consider courses equivalent to ~~CSE-143~~ and may allow a student to be admitted provisionally on the condition ~~that the student completes CSE-143~~ or equivalent with a minimum grade of 2.0 ~~during the summer before matriculating in the program.~~

Freshman Direct Admission Program (FDAP)

- Designed to recruit top high school students to the program and to the UW. Students who indicate an interest in the Informatics program are automatically considered for FDAP participation upon application to the UW. They are evaluated based on careful review of qualitative and quantitative factors, including high school GPA, SAT scores, personal statement, and any additional information provided in their application file. Students selected for FDAP are involved in the academic and social life of the Information School, participating in courses, activities, and research opportunities as appropriate during their freshman and sophomore years.
- The number of early admission (FDAP) students will not exceed 10% of the number of majors admitted each year.

Major Requirements

92 credits as follows:

- Courses required for admission to the program (24 credits, as shown above)
- ~~Human Centered Strand (20 credits):~~

interested in the informatics major. The School will consider courses equivalent to INFO 100 and INFO 200 and may allow a student to be admitted provisionally on the condition that the student completes those classes or equivalent with a minimum grade of 2.0 early in the program.

Freshman Direct Admission Program (FDAP)

1. Designed to recruit top high school students to the program and to the UW. Students who indicate an interest in the Informatics program are automatically considered for FDAP participation upon application to the UW. They are evaluated based on careful review of qualitative and quantitative factors, including high school GPA, SAT scores, personal statement, and any additional information provided in their application file. Students selected for FDAP are involved in the academic and social life of the Information School, participating in courses, activities, and research opportunities as appropriate during their freshman and sophomore years.

2. The number of early admission (FDAP) students will not exceed 10% of the number of majors admitted each year.

Major Requirements

94-99 credits as follows:

- Courses required for admission to the program (19-24 credits, as described above)
- Core courses (53 credits): INFO 330 (5), INFO 340 (5), INFO 343 (5), INFO 360 (5), INFO 380 (5), INFO 450 (5), INFO 470 (5), INFO 481 (4), INFO 490 (8),

- ~~and INFO 380~~
- ~~3. Technical Strand (13 credits): CSE 143, CSE 373, INFO 340, and [redacted]~~
- ~~4. Integrated Strand (23 credits): [redacted], 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.~~

{Note: Courses highlighted in [redacted] here are no longer in the core; courses in [green] (other column) have been added.}

General Education: Beyond the 92 credits required for the major, students must also satisfy the following:

- a. English composition (5 credits)
- b. Quantitative/Symbolic Reasoning (5 credits)
- c. Writing courses (10 credits)
- d. Natural World (20 credits)
- e. Individuals & Societies (20 credits)
- f. Visual, Literary, & Performing Arts (20 credits)

~~With courses required for the major, students automatically satisfy requirements for English composition (pre-admission English composition requirement), Quantitative/Symbolic Reasoning (STAT 311), Writing (INFO 310, INFO 311, and INFO 320), and Natural World (CSE 142, CSE 143, and INFO 340, INFO 341, and INFO 440). In addition, students satisfy a good portion of the requirements for Individuals & Societies (INFO~~

- CSE 143 (3), CSE 373 (3).
- 3. Areas of study (16-20 credits). Students can choose to obtain a transcriptable option in either Human-Computer Interaction (HCI) or Information Architecture (IA) (see below). Alternatively, students can work with their advisor to select a minimum of four classes (16-20 credits) to create a custom program that is aligned with their personal interests or career goals. For example, networking and information assurance as well as social computing/social informatics are additional areas of strength within the school.

General Education and Areas of Knowledge Requirement. Students must satisfy the following:

- a. English composition (5 credits)
- b. Quantitative/Symbolic Reasoning (5 credits)
- c. Writing courses (10 credits)
- d. Natural World (20 credits)
- e. Individuals & Societies (20 credits)
- f. Visual, Literary, & Performing Arts (20 credits)

Up to 15 credits from designated informatics major courses may be counted towards the UW Areas of Knowledge requirement (Natural World, Individuals & Societies, Visual, Literary & Performing Arts).

Students must earn a minimum of 180 credits to graduate.

Options

Human-Computer Interaction (HCI) Option (16-20 credits). The notation

310, INFO 311, and possible electives). They satisfy requirements for Visual, Literary, and Performing Arts by taking courses outside the major. (INFO 424, an elective in the major, also counts towards the VLPA requirement.) Students must earn a minimum 180 credits to graduate.

N/A

"Human-Computer Interaction" will be transcribed as an option for a student who graduates with a degree in Bachelor of Science in Informatics and who completes the following requirements:

Take a minimum of four classes, totaling at least 16 credits, from the course areas listed below, with the following distribution:

1. At least one class must be taken in two of the four areas listed below besides Foundations (User Interface Software and Technology; Design; Usability and User Research; Social and Ethical Dimensions). Note: INFO 360 (User Centered Design), the Information School HCI Foundations course, is a requirement for all Informatics majors. Students can take additional HCI Foundations courses that do count toward the four class HCI requirement from the list below.
2. At least one class from the list below must be taken from a participating department outside the Information School (ART, CSE, or TC).
3. Special topics courses such as INFO 498, TC 490, and TC 496 (Directed Research in Technical Communication) may be approved as classes within any of the course areas below on an individual, per-course basis, depending on subject matter.

Course Areas:

Foundations

ART 383 Introduction to Interaction Design (5)

CSE 440 Introduction to HCI: User Interface Design, Prototyping Eval

TC 319 Survey of Concepts of Human-Computer Interaction (5)

User Interface Software and Technology

<p>N/A</p>	<p><u>CSE 441 Advanced HCI: Advanced User Interface Design, Prototyping, and Eval(5)</u> <u>INFO 344 Web Tools and Development (5)</u> <u>TC 438 Web Technologies (5)</u></p> <p><u>Design</u> <u>ART 483 Fundamentals in Interface Design (5)</u> <u>ART 484 Advanced Projects in Interaction Design (5)</u> <u>INFO 424 Information Visualization and Aesthetics (5)</u> <u>TC 455 User Interface Design (4)</u></p> <p><u>Usability and User Research</u> <u>INFO 310 Individual Perspectives on Information Systems (5)</u> <u>TC 317 Survey of Usability Research Techniques (5)</u> <u>TC 318 Survey of User Experience Design (5)</u></p> <p><u>Social and Ethical Dimensions</u> <u>INFO 444 Value Sensitive Design (5)</u> <u>INFO 447 Computer Supported Cooperative Work (5)</u></p> <p><u>Information Architecture (IA) Option (16-20 credits).</u> The notation "Information Architecture" will be transcribed as an option for a student who graduates with a degree in Bachelor of Science in Informatics and who completes four classes from the following list:</p> <p><u>INFO 320 Information Needs, Searching and Presentation (5)</u> <u>INFO 344 Web Tools and Development (5)</u> <u>INFO 431 Metadata Design (3)</u> <u>INFO 432 Ontology Design (3)</u> <u>INFO 445 Advanced Database Design, Management and Maintenance (5)</u> <u>INFO 446 Advanced Search Engine Systems (5)</u></p>
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Note: The classes in the Information Architecture option build upon INFO 330 Information Architecture, INFO 340 Database Management and Information Retrieval, and INFO 343 Web Technologies. INFO 330, 340, and 343 are required of all students in the major.

Continuation Policy

Students are expected to make satisfactory progress towards attainment of the Bachelor of Science in Informatics degree. Under normal circumstances, an informatics major attending full-time would make satisfactory progress by completing the major requirements in approximately two years after admission to the major, or within three years for students admitted to the major as sophomores. Lack of academic progress may be evidenced by low scholarship as well as excessive course repeats, course drops, or University withdrawals and cancellations. For more details, see adviser.

Student Outcomes

- *Learning Objectives and Expected Outcomes:* The Informatics program prepares students for a wide range of endeavors in the information field including information management and technology, research and information services, interactive system design, human-computer interaction, information architecture, information assurance, networking, and information science.

Graduates of the Informatics program are qualified for jobs in the information and technology industry and in business, public service, and other various professions. Possible job titles User Experience Designer, Business Analyst, Consultant, Usability

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Engineer, Data Manager, Information Architect, Web Developer, Network Manager, Project Manager, and Information Assurance Professional.

The program also provides strong preparation for graduate studies. Graduates are successfully placed in prestigious graduate schools and pursue a variety of programs, including information and management science, information science, biomedical informatics, business and accounting, and information technology.

Informatics student learning outcomes include the ability to assess people's information needs and behavior; ability to design information systems to meet people's information needs; ability to work with information technologies (e.g., database, networks, Internet-based, interface design); ability to evaluate the impact of information technologies on people; ability to communicate effectively; ability to manage projects; ability to build working systems; ability to organize and manage information; ability to work effectively individually and as part of a team; and ability to understand the research process and its implication for information systems design and use. All Informatics courses are designed to produce these outcomes through a rigorous experiential learning approach that emphasizes group work, research, writing, oral presentations, and technology.

- *Instructional and Research Facilities:* Located on the third and fourth floors of Mary Gates Hall, the School offers an extensive software collection, a state-of-the-art computer classroom, an innovative Technology Exploration (TE) Lab, and excellent network connectivity. Students have access to software applications including titles for database and text management, programming, graphics, multimedia production, web development, Internet exploration, project management, group collaboration, and office productivity.

	<p>The School also has a dedicated information science research facility at the Roosevelt Commons Building. The research space comprises <u>7,000</u> square feet of offices, workstations, research labs, and meeting spaces.</p> <ul style="list-style-type: none"> • <i>Honors Options Available:</i> With College Honors; With Distinction (Departmental Honors). See adviser for requirements. • <i>Research, Internships, and Service Learning:</i> Internships are encouraged, but not required. Students participate in a variety of internships, paid and non-paid. A significant number of students also work part-time in Informatics or technology-related positions, and participate in public service. <p>Informatics students are extensively engaged in faculty research and internships. <u>A significant percentage of informatics students participate in the University's Undergraduate Research Symposium each year.</u> Students have co-authored publications with faculty, had their research accepted for presentation at national conference poster sessions.</p> <ul style="list-style-type: none"> • <i>Departmental Scholarships:</i> The Henry Scholarships, in the amount of approximately \$1500 each, are awarded to three second-year majors in recognition for academic achievement, leadership, and service to the School and in professional/student activities. Students to be considered for the award are nominated by the Information School faculty and Undergraduate Program Committee members. The merit-based awards, named after the founder of the school and first director, William Henry, are intended to recognize and honor student achievement. • <i>Student Organizations/Associations:</i> Undergraduates participate in a number of the School's many student organizations, including the UW Informatics Undergraduate Association (IUGA) and the student chapter of the American Society of Information Scientists and Technology (ASIST).
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	<p><i>Of Special Note:</i></p> <p><i>Capstone Projects:</i> Students often use their capstone projects to identify interest areas, develop skills, and prepare for future pursuits. <u>Through capstone projects, students demonstrate the skills, understandings and competencies they can successfully use to prepare for employment and graduate studies.</u></p> <p><i>Information Sessions:</i> Prospective students are encouraged to attend an Informatics information session. For a schedule of information sessions, visit the Web at www.ischool.washington.edu/informatics/.</p>
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UNIVERSITY CAMPUSES UNDERGRADUATE PROGRAM REVIEW PROCEDURES**

CHECKLIST

Title of Proposal: Options in Human-Computer Interaction and Information

Architecture (INFO-20080311)

Proposed by (unit name): Information School

Originating Campus:

UW, Seattle

UW, Bothell

UW, Tacoma

I. Phase I. Developed Proposal Review (to be completed by Originating Campus' Academic Program Review body)

A. Review Completed by: (list name of program review body)

Chaired by:

04/18/08 Date proposal received by originating campus's review body

04/21/08 Date proposal sent to University Registrar

04/21/08 Date proposal posted & email sent to standard notification list

05/16/08 Date of originating campus's curriculum body approval

(Note: this date must be 15 business days or more following date of posting)

B. 0 Number of comments received. Attach the comments and a summary of the

consideration and responses thereof : (1-2 paragraphs)

II. Phase II. Final Proposal Review (to be completed by FCTCP)

A. Review Completed by:

6/5/08 FCTCP subcommittee

6/5/08 FCTCP full council

Chaired by: Janet Primomo

5/27/08 Date request for review received from University Registrar

6/5/08 Date of FCTCP report

B. Review (attached)

YES NO

- Was notice of proposal posted on UW Website for 15 business days?
- Was notice of proposal sent to standard mailing list 15 business days in advance of academic program review?
- Were comments received by academic program review body?
- Was response to comments appropriate? (explain, if necessary)
- Was final proposal reviewed by FCTCP within 14 days of receipt?
- Was there adherence to the University Campuses Undergraduate Program Review Process? (explain, if necessary)

Summary: At its meeting on June 5, 2008, the full FCTCP completed the Phase II review of this proposal. The Council noted that all procedures were followed.

The FCTCP is pleased to have the Registrar forward the final proposal to the President for final action and transmit the information to the Dean. Thank you.

Janet Primomo, Chair, FCTCP

C. Recommendation

- Forward for final approval
- Forward to Provost because of University issues (Explain)
- Return to campus council because of insufficient review (Explain).

**Endorsed by Faculty Senate Executive Committee, 1/10/05, modified 1/31/06; These procedures apply to new undergraduate degrees, majors, minors (and certificates) and substantive changes to same