UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

March 7, 2013

Vice Chancellor J.W. Harrington
University of Washington, Tacoma
Box 358430

Dear J.W.:

Based upon the recommendations of the Faculty Council on Academic Policy, the Faculty Assembly has recommended approval of the revised program requirements for the Bachelor of Science degree in Information Technology and Systems. A copy of the change is attached.

I am writing to inform you that the Office of Academic Affairs is authorized to specify these requirements beginning autumn quarter 2013.

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,

Michael K. Young
President

Enclosure

cc: Dr. Sam Chung (with enclosure)
Ms. Zaide Chavez (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Ms. Virjean Edwards (with enclosure TINST-20130128)

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FEB 26 2013

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UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS

After college/school/campus review, send a signed original and 1 copy to the Curriculum Office/FCAS, Box 355850.

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

College/Campus : UW Tacoma	**Department/Unit:** Institute of Technology	**Date:** 1/28/2013

New Programs

- ☐ Leading to a Bachelor of _____ in _____ 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 **Information Technology and systems** 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 _____.
- ☐ Change delivery method or location of program.
- ☐ New or Revised Continuation Policy for _____.
- ☐ New Honors Requirements for _____.
- ☐ Eliminate program in _____.

Proposed Effective Date: **Quarter:** ☒ Autumn ☐ Winter ☐ Spring ☐ Summer **Year:** 20 13

Contact Person: **Dr. Sam Chung**	Phone: **2-5860**	Email: **chungsa@uw.edu**	Box: **358426**

EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

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

The Information Technology and Systems (ITS) program has developed new courses, and made changes to the curriculum in response to internal and external demands. The current ITS curriculum was developed in 2009 by heavily adopting the ACM IT Curricula guidelines from 2005.

Externally

The new proposed ITS curriculum was developed in response to the Curriculum Revision Guidelines for Undergraduate Degree Programs in Information Technology which were proposed by the Association for Computing Machinery (ACM) and IEEE Computer Society in 2008 (file attached). With the emergence of new concepts and technologies in Information Technology, ACM SIGITE revised the curricula and proposed a new IT Curricula in 2008. To be consistent with our professional society's current curricular guidelines (Association of Computing Machinery 2008), we are adding courses in two areas – Human Computer Interaction (T INFO 220), and Managing Technical Team Management (T INFO 370).

Internally

Internally, the UW Tacoma has grown with an increase number of lower-division undergraduate students. The sophomore students have demanded to study their majors early. For this demand, the ITS faculty have designed five 200 level ITS courses (one or two courses per quarter) to encourage the early exposure of the ITS program to the UWT sophomore students.

Course renumbering (TINFO 300 to 200 T INF 310 to 210, TINFO 330 to 230, and TINFO 350 to 250) is

in response to two drivers. When the program was originally proposed, we thought that our primary applicant pool would be from community and technical colleges that offer transfer degree options. Enrollment data suggest that our assumption was incorrect. Most ITS applicants are native UWT students, and the second largest group consists of students who completed course work or complete terminal AAS degrees. In an effort to provide an increasing freshman population the clearest, most understandable pathway forward, we are renumbering courses that are fundamental and pre-requisite to junior-level courses and senior electives. In anticipation of seeking ABET accreditation for the ITS program in 2016, we seek to align our curriculum with the ACM guidelines from 2008. In response to ABET's student learning outcome of being able to work productively within a team we have created T INFO 370. These courses align both with the content level and provide for Community and Technical College transferability. The renumbering downward also provides a clearer path for course-to-course articulation with our CTC partners.

The math pre-req needs to be TMATH 120 (Precalculus), not TMATH 124 (Calculus).

OTHER DEPARTMENTS AFFECTED

List all departments/units/ or co-accredited programs affected by your new program or changes to your existing program and acquire the signature of the chair/director of each department/unit listed. Attach additional page(s) if necessary. *See online instructions.

Department/Unit:	Chair/Program Director:	Date:
Department/Unit:	Chair/Program Director	Date:

CATALOG COPY

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.

Program Prerequisites

- TCSS 142 Introduction to Object-Oriented Programming (Java) (5)
- TMATH 124 Calculus (5) or Pre-Calculus I & II at a community college

Core Courses (40 credits)

- TINFO 230 Foundations of Web Design and Programming (5)
- TINFO 250 Foundations of Information Networking (5)
- TINFO 300 Programming II for Information Technology and Systems (5)
- TINFO 310 Foundations of Information Management (5)
- TINFO 320 Foundations of Hardware and Software Systems (5)
- TINFO 340 Foundations of Information Assurance (5)
- TINFO 360 Foundations of Information Systems Analysis and Design (5)
- TINFO 370 Foundations of Business for Information Professionals (5)

Senior Electives (30 credits)

Internship and Senior Project (10 credits)

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 note:** all copy will be edited to reflect uniform style in the General Catalog.

Program Prerequisites

- TCSS 142 Introduction to Object-Oriented Programming (Java) (5)
- TMATH 120 Precalculus (5) or Pre-Calculus I & II at a community college

Core Courses (40 credits)

- TINFO 200 Programming II for Information Technology and Systems (5)
- TINFO 210 Foundations of Information Management (5)
- TINFO 220 Foundations of Human Computer Interaction for Information Technology & Systems (5)
- TINFO 230 Foundations of Web Design and Programming (5)
- TINFO 250 Foundations of Information Networking (5)
- TINFO 320 Hardware and Software Systems (5)
- TINFO 360 Information Systems Analysis and Design (5)
- TINFO 370 Managing Technical Teams (5)

Senior Electives (30 credits)

Internship and Senior Project (10 credits)

APPROVALS	
Chair/Program Director: **Robert Friedman**	Date: **01/29/2013**
College/School/Campus Curriculum Committee:	Date: 2/15/2013
Dean/Vice Chancellor:	Date: 2/21/2013
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:	Date: 2/15/2013
POST TRI-CAMPUS APPROVAL (when needed)	
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:	Date:

UWT – Institute of Technology
Information Technology and Systems Program
Current Catalog 2012/2013

Program Prerequisites

- TCSS 142 Introduction to Object-Oriented Programming (Java) (5)

Mathematics requirement (5)
One of the following:

- TMATH 124 Calculus (5)
- Pre-Calculus I & II at a community college

Core Courses (40 credits)

- TINFO 230 Foundations of Web Design and Programming (5)
- TINFO 250 Foundations of Information Networking (5)
- TINFO 300 Programming II for Information Technology and Systems (5)
- TINFO 310 Foundations of Information Management (5)
- TINFO 320 Foundations of Hardware and Software Systems (5)
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Senior Electives (30 credits)

Internship and Senior Project (10 credits)

UWT – Institute of Technology
Information Technology and Systems Program
Proposed Catalog Changes
Curriculum 2013/2014

Program Prerequisites

- TCSS 142 Introduction to Object-Oriented Programming (Java) (5)
- TMATH 120 Precalculus (5) or Pre-Calculus I & II at a community college

Core Courses (40 credits)

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