



UNIVERSITY of WASHINGTON

Michael K. Young
President

July 17, 2013

Vice Chancellor Susan Jeffords
University of Washington, Bothell
Box 358522

Dear Susan:

Based upon the recommendations of the Executive Council, the General Faculty Organization has recommended approval of revised program requirements for the Bachelor of Arts degree in Science, Technology, and Society. A copy of the change is attached.

I am writing to inform you that the Education program is authorized to specify these requirements beginning autumn quarter 2014.

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 "Michael K. Young".

Michael K. Young
President

Enclosure

cc: Ms. Rachel Foote (with enclosure)
Mr. Robert Corbett (with enclosure)
Ms. Virjean Edwards (with enclosure)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS

OFFICE USE ONLY	
Control #	BIS-201201

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-Bothell	Department/Unit	School of Interdisciplinary Arts and Sciences	Date	12/1/12
New Programs					
<input type="checkbox"/> Leading to a Bachelor of _____ in _____ degree. <input type="checkbox"/> Leading to a Bachelor of _____ degree with a major in _____. <input type="checkbox"/> Leading to a _____ Option within the existing major in _____. <input type="checkbox"/> Leading to a minor in _____.					
Changes to Existing Programs					
<input type="checkbox"/> New Admission Requirements for the Major in _____ within the Bachelor of _____. <input type="checkbox"/> Revised Admission Requirements for the Major in _____ within the Bachelor of _____. <input checked="" type="checkbox"/> Revised Program Requirements for the Major in <u>Science, Technology, and Society</u> within the Bachelor of <u>Arts</u> . <input type="checkbox"/> Revised Requirements for the Option in _____ within the major in _____. <input type="checkbox"/> Revised Requirements for the Minor in _____.					
Other Changes					
<input type="checkbox"/> Change name of program from _____ to _____. <input type="checkbox"/> New or Revised Continuation Policy for _____. <input type="checkbox"/> Eliminate program in _____.					
Proposed Effective Date: Quarter: <input checked="" type="checkbox"/> Autumn <input type="checkbox"/> Winter <input type="checkbox"/> Spring <input type="checkbox"/> Summer Year: 20 14					

Contact Person:	Rachel Foote	Phone: 2-3280	Email: rfoote@uwb.edu	Box: 358530
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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. <i>(Use additional pages if necessary).</i>
<p>Science, Technology, and Society is an interdisciplinary academic field that uses the tools of social science, cultural studies, and the humanities to understand science, technology, mathematics, and medicine as human accomplishments and social forces. To better reflect that orientation in our curriculum, we propose:</p> <ul style="list-style-type: none"> To add to the major's methods requirements (currently statistics and scientific methods) one course covering methods in the behavioral sciences. Students will be able to choose between BIS 340: Approaches to Cultural Research, and BIS 312: Approaches to Social Research; To add the requirement that students wishing to graduate with a major in STS earn a minimum grade of 2.0 in the three methods classes, BES 301: Method and Practice of Science, BIS 315: Understanding Statistics, and BIS 340 or 312. To replace the current STS Course requirement (25 units) with requirements in two new categories: "Social and Cultural Studies of Science" Courses (15 units) and "STEMM Practice" Courses (10 units). Social and Cultural Studies of Science Courses will familiarize students with the ways that theories and methods from the social sciences and humanities are used to understand science, technology, mathematics, and/or medicine; they will also give students the opportunity explore how artistic practice can be informed by scientific concepts or technological forms. STEMM Practice Courses will give students the opportunity to experience the processes through which scientific knowledge and technological innovations are made, by involving them in science, engineering, mathematics, or medical research, or by asking them to apply scientific theory or methods to understanding and solving real-world problems.

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:
5-16-14		

Department/Unit:	Chair/Program Director	Date:
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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.

Science, Technology and Society (STS) Requirements:

BIS 300 Interdisciplinary Inquiry (5 credits)

BISSTS 307 (5 credits)

BIS 315 (5 credits)

BES 301 (5 credits)

~~STS Courses (25 credits)~~

BIS 499 Portfolio Capstone (3 credits, min grade 2.5)

Additional IAS Coursework (20 credits)

General Electives (22 credits)

Completion of the IPR requirement and a minimum of 25 credits in each Area of Knowledge (with 10 credits in each Area completed at UW Bothell).

TOTAL= 90 credits

Science, Technology and Society (STS) Courses:

A. STS Core Course

BISSTS 307 Science, Technology and Society

B. STS Methods Courses

BES 301 Science Methods and Practice

BIS 315 Understanding Statistics

~~C. STS Courses~~

~~Mathematical Sciences~~

~~BIS 230 Mathematical Thinking for the Liberal Arts~~

~~BIS 231 Linear Algebra with Applications~~

~~BIS 232 Using, Understanding, and Visualizing Quantitative Data~~

... ← Subsequent list of courses by name and number to be deleted in its entirety

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.

Science, Technology and Society (STS) Requirements:

BIS 300 Interdisciplinary Inquiry (5 credits)

BISSTS 307 (5 credits)

BIS 315 (5 credits, min grade 2.0)

BES 301 (5 credits, min grade 2.0)

BIS 312 or BIS 340 (5 credits, min grade 2.0)

Social and Cultural Studies of STEMM Courses (15 credits)

BIS 499 Portfolio Capstone (3 credits, min grade 2.5)

Additional IAS Coursework (15 credits)

General Electives (22 credits)

Completion of the IPR requirement and a minimum of 25 credits in each Area of Knowledge (with 10 credits in each Area completed at UW Bothell).

TOTAL= 90 credits

Science, Technology and Society (STS) Courses:

A. STS Core Course

BISSTS 307 Science, Technology and Society

B. STS Methods Courses

BES 301 Science Methods and Practice

BIS 315 Understanding Statistics

BIS 312 Approaches to Social Research

BIS 340 Approaches to Cultural Research

C. Social and Cultural Studies of Science Courses

Courses which apply the theories and/or methods of one or more disciplines in the social sciences and humanities to the study of science, technology, engineering, mathematics, or medicine, or which explore how artistic practice can be informed by scientific concepts or technological forms. Such courses include:

BIS 302

BIS 307

BIS 346

BIS 355

BIS 382

BIS 388

BIS 391

BIS 395

BIS 411

BIS 421

BIS 446

BIS 458

BIS 459

D. STEMM Practice Courses

Courses which give students the opportunity to experience the processes through which scientific knowledge and technological innovations are made, by involving them in science, engineering, mathematics, or medical research, or by asking them to apply scientific theory or methods to understanding and solving real-world problems. Such courses include:

B CLIM 320

BES 302

BES 303

BES 315

BES 316

BES 362

BES 415

BES 430

BES 439

BES 459

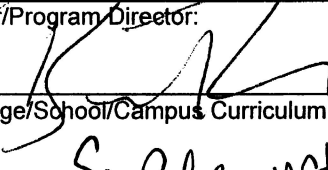

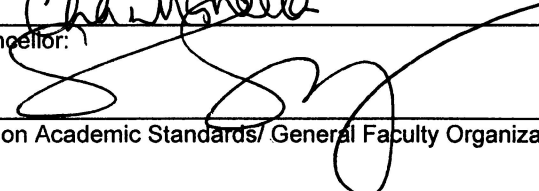
BES 462

BES 463

BES 464

BES 485

BES 486
BES 487
BES 489
BIS 232
BIS 240
BIS 241
BIS 242
BIS 244
BIS 250
BIS 251
BIS 306
BIS 342
BIS 381
BIS 395
BIS 442
BIS 459
BISSTS 231
BISSTS 232
BST 200
BST 446

APPROVALS	
Chair/Program Director: 	Date: 5-16-13
College/School/Campus Curriculum Committee: 	Date: 5-20-13
Dean/Vice Chancellor: 	Date:
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:	Date:
POST TRI-CAMPUS APPROVAL (when needed)	
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:	Date:

Proposed Changes to STS Degree Requirements

Rationale

An interdisciplinary institutionalized in degree-granting programs across the U.S. and around the world, Science, Technology, and Society (a.k.a. Science and Technology Studies) applies the methods of the social sciences, cultural studies, history, and philosophy to understanding how science and technology are produced as part of larger social processes, and how these human activities contribute to shaping our social world. Currently, the requirements for students majoring in STS at UW-Bothell do not reflect the fact that the field's intellectual core is in the humanities and social sciences. In order to do so, we propose to add to the requirements a social or cultural research methods course, and to make a distinction between "STS courses" that take a social scientific or humanities-based approach to the study of science and technology, on the one hand, and courses whose aims are to teach technical subject matter, particularly with an eye to exposing students to how science is practiced or applied. The resulting requirements are very much in keeping with those of other undergraduate degree programs in STS, whose core classes in the social science and humanities are typically complemented by significant coursework in STEM fields. The addition of a minimum grade in methods courses makes the STS major in line with other majors in the School of IAS.

Summary of Changes

	Current	Proposed
Skills and Methods Coursework	BIS 315 BES 301 <i>No min. grade</i>	BIS 315 BES 301 BIS 312 (Approaches to Social Research) OR BIS 340 (Approaches to Cultural Research) <i>All with required 2.0 minimum grade</i>
STS Coursework	25 credits	15 credits – Social and Cultural Studies of Science and Technology courses
		10 credits – STEMM (Science, Technology, Engineering, Mathematics, and Medicine) Practice courses
Additional IAS Coursework	20 credits	15 credits
General Electives	22 credits	22 credits