



## 1. Overview

### A. Description

#### *Provide a brief description of the proposed minor.*

The new School for the Future of Innovation in Society (SFIS) is proposing to launch a series of undergraduate programs in Fall of 2016. The minor in Innovation in Society is designed to provide access to SFIS for students who do not have the time to pursue an entire bachelor's degree. A minor in innovation in society provides students with an understanding of how new and emerging technologies can connect with the social needs and values of our communities to provide the best possible local and global futures. The minor is intended to equip students with tools and concepts from the social sciences, humanities, natural sciences, and engineering in order to prepare to build more inclusive futures. It will enable students to understand the broader context of their major and help them to bridge those studies with other disciplines to develop more encompassing solutions to important problems.

### B. Why should this be a minor rather than a concentration?

The minor format allows students outside of the School for the Future of Innovation in Society to engage in topics in Innovation in Society without pursuing a bachelor's degree option. We expect to attract students from the natural sciences, engineering and social sciences among others to this minor.

### C. Affiliation

If the minor is affiliated with a degree program, include a brief statement of how it will complement the program. If it is not affiliated with a degree program, incorporate a statement as to how it will provide an opportunity for a student to gain knowledge or skills not already available at ASU.

The minor will be affiliated with the BA in innovation in society and the BS in innovation in society that the School for the Future of Innovation in Society is also proposing at this time. The minor will add value to these undergraduate degree programs by providing a pathway for students pursuing other majors to join the core courses of the BA and BS. This will further the school's emphasis on facilitating cross-disciplinary conversations and sharing of expertise. Those enrolled in the minor will be able to connect the expertise they gain through their major with discussions about our collective future and will be challenged to think critically about innovation and the future of society.

### D. Demand

Explain the need for the new minor (e.g., market, student demand, interdisciplinary considerations).

The modern world is faced with a number of complex problems that can only be solved through bringing disparate sets of expertise together. The establishment of the new School for the Future of Innovation in Society (SFIS) and the proposed launch of the undergraduate degree program of innovation in society are designed to facilitate interdisciplinary conversations about our collective future. This interdisciplinary minor is designed to have broad appeal across disciplines and programs and offer a way for students trained in specific disciplines to join the conversation.

### E. Projected Enrollment

What are enrollment projections for the first three years?

	<b>1<sup>st</sup> Year</b>	<b>2<sup>nd</sup> Year</b> (Yr. 1 continuing + new entering)	<b>3<sup>rd</sup> Year</b> (Yr. 1 & 2 continuing + new entering)
Number of Students <i>(Headcount)</i>	10	15	25

## 2. Support and Impact

### A. Faculty governance

Provide a supporting letter from the chair of the academic unit verifying that the proposed minor has received faculty approval through appropriate governance procedures in the unit and that the unit has the resources to support the minor as presented in the proposal, without impacting core program resources.

Please see attached letter.

**B. Other related programs**

Identify other related ASU programs and outline how the new minor will complement these existing ASU programs. (If applicable, statements of support from potentially-affected academic unit administrators need to be included with this proposal submission.)

This minor does not duplicate any existing ASU programs. Rather it offers an opportunity for students in any degree program at ASU to supplement their studies through a series of classes focused on innovation and the future. Students in the natural sciences, social sciences, engineering, and math, may choose to take the minor to help them think through the social and political implications of their core disciplines so that they are better prepared to promote the change they want to see in the world. The School for the Future of Innovation in Society has reached out to the deans and directors of a number of these programs including CLAS, FSE, Sustainability, and the New College.

**C. Letter(s) of support**

Provide a supporting letter from each college/school dean from which individual courses are taken.

Please see attached

**3. Student Learning Outcomes and Assessment Methods****A. Knowledge, competencies, and skills**

List the knowledge, competencies, and skills students should have when they graduate from the proposed degree program. You can find examples of program Learning Outcomes at (<https://uoeee.asu.edu/plan-outcomes>).

When students graduate with a minor in innovation in society, they will have the ability to: 1) think critically about innovation and the relationship between changes in technology and society; and 2) Demonstrate knowledge of the influences, origins, histories, values, and risks across innovation systems.

**B. Assessment**

Describe the plan and methods to assess whether students have achieved the knowledge, competencies and skills identified in the Learning Outcomes. You can find examples of assessment methods at (<https://uoeee.asu.edu/creating-plan>).

Outcome 1: This measure will be met if at least 70% of the students enrolled in the minor receive grades of B- or better on the final research paper in FIS 305 Ways of Knowing.

Outcome 2: This measure will be met if at least 70% of the students enrolled in the minor receive grades of B- or better on the Charismatic Leadership paper that will assess how well students understand how the power dynamics play out in the technological world in FIS 201 Innovation in Society.

**4. Academic Curriculum and Requirements**

- A. Provide a description of the curricular requirements for the minor. Be specific in listing required courses as well as electives and specify the total minimum number of hours required for the minor. Please attach one or more model programs of study to illustrate the choices students might make, if appropriate.

**Required Minor Courses**

Prefix	Number	Title	Is this a new course?	Credit Hours
FIS	111	Welcome to the Future	Yes	3
FIS	201	Innovation in Society	Yes	3
FIS	305	Ways of Knowing	Yes	3
Section Sub-total				9

**Elective Minor Courses**

Prefix	Number	Title	Is this a new course?	Credit Hours
FIS	307	Navigating Futures	Yes	3
FIS	308	Politics, Markets and Innovation	Yes	3
FIS	331	Technology and the Modern World	Yes	3
FIS	332	Risk and the Future	Yes	3
FIS	333	Governing Emerging Technologies	Yes	3
FIS	334	Science, Technology and Inequality	Yes	3
FIS	335	Designing Knowledge	Yes	3
FIS	336	Science and Technology Policy	Yes	3
FIS	337	Innovation and Global Development	Yes	3
FIS	431	Technology, Security and Insecurity in Global Politics	Yes	3
Section Sub-total				6

**Other Minor Requirements**

E.g. – Capstone experience, internship, clinical requirements, field studies, foreign language skills as applicable	Credit Hours	
N/A	0	
Section Sub-total		0

**Total minimum credit hours required for the Minor 15**

**B. Minimum residency requirement**

How many hours of the minor must be ASU credit? 9

**C. New Courses**

Provide prefix, number and a brief course description for each new course.

We are proposing several new undergraduate programs simultaneously. The following new courses will also be submitted as part of the BA and the BS in innovation in society. There are no unique and new courses for the minor beyond those courses.

FIS 111 – Welcome to the Future (3 credit) - This course will explore the ways in which the future inspires, shapes, and motivates the present. It will illustrate how “possible futures” are used by people and institutions to advance agendas, shape conversations, and sell products. It will examine how science, technology, and other forces are mobilized to create change. It will empower students to play a role in shaping our collective future.

FIS 201 – Innovation in Society (3 credits) - The modern age, governments, multinational corporations, and civil society movements have rallied around the idea that innovation is necessary for the maintenance of health, prosperity, and the good life in general. This course will examine the vast implications of this promise, the reasons why it is so powerful, and explanations for why it falls short. We will examine what innovation is, who funds it, and why some innovations succeed while others fail. In doing so we will link innovation with society to see how change happens differently in different places and how diverse populations are impacted.

FIS 305 – Ways of Knowing (3 credits) - A core requirement in the BS and BA in Innovation in Society, this course introduces students to research, beginning with the concept of research itself and its various purposes, highlighting knowledge and how it is created in different disciplinary approaches. Students will be exposed to historical and philosophical underpinnings of how research is conceptualized, presented, and implemented, including what constitutes information, knowledge and evidence. While material that would be in a traditional research design and methodology course will be introduced in this course, the emphasis will uniquely focus on knowledge creation, innovation, the nature of disciplinary knowledge, and its impact on society. The epistemological differences in problem identification and approaches to inquiry will be explored in the disciplinary perspectives of engineering, the sciences, and in the social sciences.

Note: All new required courses should be submitted in Curriculum Changemaker and ready for Provost’s Office approval before this minor is put on Curriculum and Academic Programs Committee (CAPC) agenda

**5. Administration and Resources****A. Describe the procedures and any qualifications for enrollment in the minor.**

The minor will be open to ASU degree seeking students in any major that carry at least a 2.0 GPA.

**B. Describe the advising procedures as well as measures for verification of completion of the minor.**

Students will be advised by SFIS's Academic Programming Coordinator. DARS will be used to verify completion of minor requirements

**C. What are the resource implications for the proposed minor, including any projected budget needs? Will new books, library holdings, equipment, laboratory space and/or personnel be required now or in the future? If multiple units/programs will collaborate in offering this minor, please discuss the resource contribution of each participating program. Letters of support must be included from all academic units that will commit resources to this minor.**

The instructors for this minor will be drawn from the existing SFIS faculty. SFIS staff, including the Academic Programming Coordinator will provide additional support for the foreseeable future. Additional staff may need to be added as enrollment increases.

**D. Primary Faculty**

List the primary faculty participants regarding this proposed minors. For interdisciplinary minors, please include the relevant names of faculty members from across the University.

<b>Name</b>	<b>Title</b>	<b>Area(s) of Specialization as they relate to proposed minor</b>
Jameson M. Wetmore	Associate Professor	technology and society; engineering ethics
Gregg Zachary	Professor of Practice	interplay of technology, culture, and politics
Mary Jane Parmentier	Clinical Associate Professor	social science methods; role of technology in social and political development
David Guston	Professor	research and development policy
Jennifer Richter	Assistant Professor	justice, equity, and democracy in innovation
Andrew Maynard	Professor	risk innovation

**6. Additional Materials**

- A. Appendix**  
Complete and attach the Appendix document.
- B. Program of study**  
Provide one or more model programs of study (if appropriate).
- C. Attach other information that will be useful to the review committees and the Office of the University Provost.**

**APPENDIX  
OPERATIONAL INFORMATION FOR MINORS**

(This information is used to populate the Degree Search/catalog website.

Please consider the student audience in creating your text.)

**1. Proposed Minor Name:** Innovation in Society

**Description (150 words maximum)**

A minor in innovation in society provides students with an understanding of how new and emerging technologies can connect with the social needs and values of our communities to provide the best possible local and global futures. The minor is intended to equip students with tools and concepts from the social sciences, humanities, natural sciences, and engineering in order to prepare to build more inclusive futures. It will enable students to understand the broader context of their major and help them to bridge those studies with other disciplines to develop more encompassing solutions to important problems.

**2. Contact and Support Information**

Building Name, code and room number: ( <a href="#">Search ASU map</a> )	INTDSB 366
Program office telephone number: ( <i>i.e.</i> 480/965-2100)	480/727-8787
Program Email Address:	sfisadvising@asu.edu
Program Website Address:	<a href="https://sfis.asu.edu/">https://sfis.asu.edu/</a>

**3. Program Requirements:** Provide applicable information regarding the program such as curricular restrictions or requirements, specific course lists, or academic retention requirements.

This minor is comprised of 15 credit hours.

In order to complete the minor in innovation in society, students will have to successfully complete three core courses.

Core (9 credit hours):

FIS 111 Welcome to the Future (3)  
FIS 201 Innovation in Society (3)  
FIS 305 Ways of Knowing (3)

Additionally students must take six credit hours from the following list of FIS electives:

FIS 307 Navigating Futures (3)  
FIS 308 Politics, Markets and Innovation (3)  
FIS 331 Technology and the Modern World (3)  
FIS 332 Risk and the Future (3)  
FIS 333 Governing Emerging Technologies (3)  
FIS 334 Science, Technology and Inequality (3)  
FIS 335 Designing Knowledge (3)  
FIS 336 Science & Technology Policy (3)  
FIS 337 Innovation and Global Development (3)  
FIS 431 Technology, Security and Insecurity in Global Politics (3)

Depending upon a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**4. Additional Enrollment Requirements** If applicable list any additional enrollment requirements students must complete.

Students in most majors may pursue at least one minor and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

**5. Delivery/Campus Information Delivery:** On-campus only (ground courses and/or iCourses)

*Note: Once students elect a campus or On-line option, students will not be able to move back and forth between the on-campus and the ASU Online options. Approval from the Office of the University Provost and Philip Regier (Executive Vice Provost and Dean) is required to offer programs through ASU Online.*

**6. Campus/Locations:** indicate all locations where this program will be offered.

- Downtown Phoenix     Polytechnic     Tempe     West    Other:



**Subject:** RE: School for the Future of Innovation in Society impact statement  
**Date:** Friday, October 30, 2015 8:50:36 AM Mountain Standard Time  
**From:** Kyle Squires  
**To:** David Guston  
**CC:** James Collofello

Dave,

Thanks for the note and update concerning the degrees – looks like you all have come up with a solid set of initial offerings.

I shared your note with Jim Collofello (Sr. Associate Dean for Academic and Student Affairs) and we also do not currently see any large overlap with Fulton majors and minors, and do agree that some of these could be of interest to Engineering majors.

Concerning courses for your students, it is true that we tend to be quite full these days and that makes it challenging to accommodate non-majors. We continue to brainstorm and work on plans to better address our enrollments and if successful that will make it easier to accommodate non-majors. Let's keep the communication channels open.

Thanks again for looping me in – good luck!

-- Kyle

**From:** David Guston  
**Sent:** Thursday, October 29, 2015 5:14 PM  
**To:** Kyle Squires <[squires@asu.edu](mailto:squires@asu.edu)>  
**Subject:** School for the Future of Innovation in Society impact statement  
**Importance:** High

Kyle,

As you know, the School for the Future of Innovation in Society was launched just a few months ago. One of our first big steps in the process of turning a research center into a school is the development of a number of undergraduate programs, and I wanted to give you a heads up on some of our plans as we develop a BA, a BS, a Minor, and a Certificate. We're a little off-sequence in our proposals, but we're working with the Provost's office in an effort to get the programs on the books in time for the 2016-2017 school year.

I wanted to discuss the potential impact on FSE. I don't foresee any large overlap between any of the FSE majors or minors. In fact I think we may be able to offer some programs that could benefit your students. Our certificate on "Innovation for Impact," for instance, would certainly be open to engineering students who want practice working to ensure that ideas can translate into real-world change. The minor in "Innovation in Society" would also be available for students who want to know more about the social and political aspects of science and technology in their studies.

In many ways we see our programs as a bridge between the social sciences, natural sciences and engineering. As part of this vision, we intent to require our BS students to take three courses in natural science, math, engineering, or quantitative social science beyond their university distribution

**Subject:** RE: School for the Future of Innovation in Society Undergraduate Programs  
**Date:** Thursday, October 29, 2015 6:49:19 AM Mountain Standard Time  
**From:** Duane Roen  
**To:** Nalini Chhetri  
**CC:** David Guston, Jameson Wetmore, Judith Weeks

Nalini,

Thanks for the note about your proposals for these exciting degrees.

I am happy to support them.

Best,  
Duane

Duane Roen  
Vice Provost, Polytechnic campus  
Dean, College of Letters and Sciences  
Dean, University College  
Arizona State University | Undergraduate Academic Services Building, Room 228  
Box 871901 | Tempe, AZ 85287-1901  
Voice: 480-727-6513 | Fax: 480-727-6344 | Email: [duane.roen@asu.edu](mailto:duane.roen@asu.edu)

**From:** Nalini Chhetri  
**Sent:** Wednesday, October 28, 2015 11:31 PM  
**To:** Duane Roen <Duane.Roen@asu.edu>  
**Cc:** David Guston <David.Guston@asu.edu>; Jameson Wetmore <Jameson.Wetmore@asu.edu>; Judith Weeks <Judith.Weeks@asu.edu>  
**Subject:** School for the Future of Innovation in Society Undergraduate Programs

Dear Duane;

As you know, the School for the Future of Innovation in Society (SFIS) was launched just a few months ago. One of our first big steps in the process of turning a research center (CSPO) into a School is the development of undergraduate programs, and I wanted to brief you on some of our plans. We're a little off-sequence in our proposals, but we're working with the Provost's office in an effort to get the programs on the books in time for the 2016-2017 academic year. I am part of the undergraduate committee which Associate Professor Jamey Wetmore is chairing and we are planning our BA, BS, Minor, and Certificate programs that we and the senior administration hope will be ready for fall 2016.

We wanted to discuss any potential impact on CLS. Mark Searle and Fred also advised us to touch base with you on this matter. We do not foresee any significant overlap between the SFIS offerings and any of the CLS undergraduate programs. Still with the STS minor, we have been quite cognizant of potential overlaps and have been very careful to ensure our core courses do not do so. The courses we have proposed are at different levels and cover different topics in STS. So in looking at what we're proposing we do not think there is a single course that overlaps between the two. In fact we think, given its interdisciplinary sensibilities we expect that CLS students could benefit from our course offerings, our minor and our certificate program. Our certificate on "Innovation for Impact," for instance, would certainly be open to CLS students who want practice working to ensure that ideas can translate into real-world change. The minor in "Innovation in Society" would also be available for students who want to know more about the role of

**Subject:** RE: SFIS course impact statements  
**Date:** Thursday, October 29, 2015 8:32:49 PM Mountain Standard Time  
**From:** Duane Roen  
**To:** David Guston  
**CC:** Jameson Wetmore, Nalini Chhetri, Judith Weeks

I have no objections, Dave.

Good luck with the new courses and degree.

Best,  
Duane

Duane Roen  
Vice Provost, Polytechnic campus  
Dean, College of Letters and Sciences  
Dean, University College  
228 Undergraduate Academic Services Building  
Arizona State University  
P.O. Box 871901, Tempe, AZ 85287-1901  
Phone: 480-727-6513 | duane.roen@asu.edu

**From:** David Guston  
**Sent:** Thursday, October 29, 2015 5:10 PM  
**To:** Duane Roen <Duane.Roen@asu.edu>  
**Cc:** Jameson Wetmore <Jameson.Wetmore@asu.edu>; Nalini Chhetri <Nalini.Chhetri@asu.edu>; Judith Weeks <Judith.Weeks@asu.edu>  
**Subject:** SFIS course impact statements  
**Importance:** High

Dear Duane,

Thank you again for your prompt response about the proposed undergraduate programs in SFIS.

We wanted to give you a heads up on two points of possible overlap as far as specific courses.

As part of our proposed courses we'd like to offer two that are similar to offerings in your STS major. The first, FIS 311 "Politics, Markets, and Innovation" may have some similarities with STS 260 "Politics of Science and Technology." It will differ from your offering in two important ways: First, we will be teaching it as an upper division course and second we will be spending a significant amount of the course focusing on markets and the role of corporations. The second course, FIS 337 "Innovation and Global Development" may have some similarities with your STS 110 "Global Technology and Development." In this case as well, our offering will be at the upper division and the course will examine science as well as technology. You should find short descriptions of these courses below.

These courses may be options for your students to take if they would like to build on their work in your degree program and examine these areas in more detail.

We will be submitting these courses shortly and would like to include your input on the impact of adding these courses.

**Subject:** Re: School for the Future of Innovation in Society impact statement  
**Date:** Friday, October 30, 2015 7:55:56 AM Mountain Standard Time  
**From:** Alexandra Brewis Slade  
**To:** David Guston  
**CC:** Jameson Wetmore, Nalini Chhetri, Judith Weeks, Alissa Ruth  
**Priority:** High

SHESC is delighted to support all.

Is we haven't already, we might want a permanent FIS crosslist for ASB 344 — so can can add it to your new program mix and directly schedule as makes sense to you folks.

Alex

Alexandra Brewis Slade, President's Professor, Director, and AVP  
<https://webapp4.asu.edu/directory/person/855688>

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**From:** David Guston <[David.Guston@asu.edu](mailto:David.Guston@asu.edu)>  
**Date:** Thursday, October 29, 2015 at 5:26 PM  
**To:** Alex Brewis <[alex.brewis@asu.edu](mailto:alex.brewis@asu.edu)>  
**Cc:** Jameson Wetmore <[Jameson.Wetmore@asu.edu](mailto:Jameson.Wetmore@asu.edu)>, Nalini Chhetri <[Nalini.Chhetri@asu.edu](mailto:Nalini.Chhetri@asu.edu)>, Judith Weeks <[Judith.Weeks@asu.edu](mailto:Judith.Weeks@asu.edu)>  
**Subject:** School for the Future of Innovation in Society impact statement

Alex,

As you know, the School for the Future of Innovation in Society was launched just a few months ago. One of our first big steps in the process of turning a research center into a school is the development of a number of undergraduate programs, and I wanted to give you a heads up on some of our plans as we develop a BA, a BS, a Minor, and a Certificate. We're a little off-sequence in our proposals, but we're working with the Provost's office in an effort to get the programs on the books in time for the 2016-2017 school year.

I wanted to discuss the potential impact on SHESC. I don't foresee any large overlap between SFIS plans and any of the SHESC majors or minors. In fact I think we may be able to offer some programs your students could benefit from. Our certificate on "Innovation for Impact," for instance, would certainly be open to SHESC students who want practice working to ensure that ideas can translate into real-world change. The minor in "Innovation in Society" would also be available for students who want to know more about the social and political aspects of science, technology and innovation in their studies.

The one course that would be similar is FIS 331 "Technology and the Modern World." That course would have some overlap with ASB 344 "Technology and Society. Our 331 course would be a bit different because it would focus explicitly on systems rather than artifacts, but there is enough similarity that we would be happy to crosslist the courses if you would like.

We also believe that our students would benefit greatly from some of the courses offered in your

## Judith Weeks

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**From:** Christopher Boone  
**Sent:** November 02, 2015 9:29 AM  
**To:** Jameson Wetmore  
**Cc:** Christopher Boone (cgboone@asu.edu); Nalini Chhetri; David Guston; Judith Weeks  
**Subject:** Re: School for the Future of Innovation in Society undergraduate programs  
**Categories:** IMPACT

Jamey,

I support the courses, degrees, minor, and certificate you outline below.

Chris  
Christopher Boone  
Dean, School of Sustainability  
Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability



P.O. Box 875502 | Tempe, Arizona | 85287-5502  
PH: 480-965-2236 | Main: 480-965-2975  
<http://cgboone.personal.asu.edu> | Twitter: @cgboone  
Dean's Executive Assistant: [Lorraine.Protocollo@asu.edu](mailto:Lorraine.Protocollo@asu.edu)  
Stay connected! [Website](#) | [Facebook](#) | [Twitter](#)

On Oct 29, 2015, at 6:03 PM, Jameson Wetmore <[Jameson.Wetmore@asu.edu](mailto:Jameson.Wetmore@asu.edu)> wrote:

Hi Chris,

I tried to get this to you yesterday, but for some reason I couldn't get it to your e-mail. I forwarded it to Lorraine, but I thought I'd try resending it to you today.

Hope you are well!

Jamey

Jameson M. Wetmore  
*Associate Professor, School for the Future of Innovation in Society*  
*Co-director, Center for Engagement and Training in Science & Society*  
Arizona State University

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**From:** Jameson Wetmore  
**Sent:** Wednesday, October 28, 2015 6:28 PM  
**To:** 'Christopher Boone'  
**Cc:** Nalini Chhetri; David Guston; Judith Weeks  
**Subject:** School for the Future of Innovation in Society undergraduate programs

Dear Chris,

## Judith Weeks

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**To:** Jameson Wetmore  
**Subject:** RE: School for the Future of Innovation in Society Undergraduate Programs

**From:** Paul LePore  
**Sent:** Wednesday, November 04, 2015 11:11 AM  
**To:** Jameson Wetmore  
**Cc:** Elizabeth Wentz; Laura Hanish  
**Subject:** FW: School for the Future of Innovation in Society Undergraduate Programs

Hi Jamie,

See note from SSFD. Thanks Laura and Libby.

PL

**PAUL C. LEPORE, Ph.D.**  
Associate Dean  
**College of Liberal Arts and Sciences**  
Foundation Building, Suite 110  
Arizona State University | P.O. Box 876605 | Tempe, Arizona 85287-6605  
480.965.6506 | Fax: 480.965.2110 | e-mail: [paul.lepore@asu.edu](mailto:paul.lepore@asu.edu)

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**From:** Elizabeth Wentz  
**Sent:** Wednesday, November 04, 2015 10:27 AM  
**To:** Paul LePore; Laura Hanish  
**Cc:** Patrick Kenney  
**Subject:** FW: School for the Future of Innovation in Society Undergraduate Programs

Dear Paul,

Laura and SSFD can provide input.

Libby

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**From:** Laura Hanish <[Laura.Hanish@asu.edu](mailto:Laura.Hanish@asu.edu)>  
**Date:** Tuesday, November 3, 2015 at 4:24 PM  
**To:** Elizabeth Wentz <[wentz@asu.edu](mailto:wentz@asu.edu)>  
**Subject:** RE: School for the Future of Innovation in Society Undergraduate Programs

Hi Libby,

We are happy to work with the School for the Future of Innovation in Society to cross list SOC 334 and are able to work with the School regarding other issues as needed.

Thanks,

Laura

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Laura D. Hanish, Ph.D.  
Professor and Interim Director, T. Denny Sanford School of Social and Family Dynamics  
Executive Director, Lives of Girls and Boys Enterprise  
Co-Director, Dion Initiative

Arizona State University | P.O. Box 873701 | Tempe, Arizona 85287-3701  
Phone: 480-965-8133 | E-mail: [Laura.Hanish@asu.edu](mailto:Laura.Hanish@asu.edu)

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**From:** Elizabeth Wentz  
**Sent:** Monday, November 02, 2015 7:30 PM  
**To:** DL.WG.LA.DEAN.SS.ACD  
**Cc:** Gregory Freye  
**Subject:** FW: School for the Future of Innovation in Society Undergraduate Programs

Dear chairs/directors,

As you know, units are asked to weigh in on new degree programs. The new School for the Future of Innovation in Society is planning several new degrees. Please respond by the end of this week if you want to comment on the proposed degrees.

Libby

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**From:** Jameson Wetmore  
**Sent:** Wednesday, October 28, 2015 6:34 PM  
**To:** Paul LePore  
**Cc:** David Guston; Nalini Chhetri; Judith Weeks  
**Subject:** School for the Future of Innovation in Society Undergraduate Programs

Dear Paul,

As you know, the School for the Future of Innovation in Society was launched just a few months ago. One of our first big steps in the process of turning a research center into a school is the development of a number of undergraduate programs, and I wanted to reach out to you to give you a heads up on some of our plans. Right now I'm leading the committee that is developing a BA, a BS, a Minor, and a Certificate. We're a little off-sequence in our proposals, but we're working with the Provost's office in an effort to get the programs on the books in time for the 2016-2017 school year.

I wanted to touch base with you to discuss the potential impact on CLAS. I don't foresee any large overlap between any of the CLAS majors or minors. The Biology and Society program has some similarities, but in looking at what we're proposing I don't think there is a single course that overlaps between the two. In fact I think we may be able to offer some programs your students could benefit from. Our certificate on "Innovation for Impact," for instance, would certainly be open to CLAS students who want practice working to ensure that ideas can translate into real-world change. The minor in "Innovation in Society" would also be available for students who want to know more about the role of science and technology in their studies.

There would be some overlap in a few courses in our program. For instance we'd like to offer a 300 level course in "Technology in the Modern World" that would be similar to the ASB 344 / SOC 334 Technology and Society course. We could possible crosslist those courses if you like.

We would like to support our students being heavily involved in CLAS courses as well. For instance all our majors would be required to take two "upper division related area electives" and we'd like that list to include a number of courses from majors such as Global Health, Justice, Biology and Society, and Women's Studies. And we would also like to send a number of our BS students to take courses in CLAS by requiring them to take three courses in natural science, math,

## Judith Weeks

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**From:** David Guston  
**Sent:** November 04, 2015 2:45 PM  
**To:** Richard Fabes  
**Cc:** Jameson Wetmore; Nalini Chhetri; Judith Weeks  
**Subject:** Re: School for the Future of Innovation in Society impact statement

**Importance:** High

Thanks, Rick!

David H. Guston  
Founding Director and Professor, School for the Future of  
Innovation in Society  
Director, Center for Nanotechnology in Society at ASU  
Co-director, Consortium for Science, Policy & Outcomes  
Director, Virtual Institute for Responsible Innovation

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I am now the editor-in-chief of the Journal of Responsible Innovation, published by Taylor & Francis.

---

**From:** Richard Fabes <[rfabes@asu.edu](mailto:rfabes@asu.edu)>  
**Date:** Wednesday, November 4, 2015 2:15 PM  
**To:** David Guston <[david.guston@asu.edu](mailto:david.guston@asu.edu)>  
**Subject:** Re: School for the Future of Innovation in Society impact statement

Hi Dave,

We have no problems with any of this. We would like to have FIS 331 cross-listed.

Rick

On 10/30/15, 11:25 AM, David Guston wrote:

Rick

Thanks!



## Judith Weeks

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**From:** Nalini Chhetri  
**Sent:** November 09, 2015 9:45 PM  
**To:** Judith Weeks  
**Cc:** Jameson Wetmore  
**Subject:** FW: School for the Future of Innovation in Society Undergraduate Programs

**Importance:** High

Wrong Judith copied.

Yeah ! We have everyone's, it seems.

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**From:** Marlene Tromp <[Marlene.Tromp@asu.edu](mailto:Marlene.Tromp@asu.edu)>  
**Date:** Monday, November 9, 2015 at 6:16 PM  
**To:** David Guston <[David.Guston@asu.edu](mailto:David.Guston@asu.edu)>  
**Cc:** Jameson Wetmore <[Jameson.Wetmore@asu.edu](mailto:Jameson.Wetmore@asu.edu)>, Nalini Chhetri <[Nalini.Chhetri@asu.edu](mailto:Nalini.Chhetri@asu.edu)>, Judith Guston <[jmguston@comcast.net](mailto:jmguston@comcast.net)>  
**Subject:** Re: School for the Future of Innovation in Society Undergraduate Programs

Dear Dave,

My apologies for the delay. I was waiting to hear back from one Director. New College has no concerns about these programs and wishes you all the best in launching!

Sincerely,  
Marlene

--

Dr. Marlene Tromp, Vice Provost and Dean  
New College of Interdisciplinary Arts and Sciences  
4701 W. Thunderbird Rd., Glendale, AZ 85306-4908  
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**From:** David Guston <[David.Guston@asu.edu](mailto:David.Guston@asu.edu)>  
**Date:** Monday, November 9, 2015 at 3:12 PM  
**To:** Marlene Tromp <[marlene.tromp@asu.edu](mailto:marlene.tromp@asu.edu)>  
**Cc:** Jameson Wetmore <[Jameson.Wetmore@asu.edu](mailto:Jameson.Wetmore@asu.edu)>, Nalini Chhetri <[Nalini.Chhetri@asu.edu](mailto:Nalini.Chhetri@asu.edu)>, Judith Guston <[jmguston@comcast.net](mailto:jmguston@comcast.net)>  
**Subject:** Re: School for the Future of Innovation in Society Undergraduate Programs

Merlene

## Judith Weeks

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**From:** Jameson Wetmore  
**Sent:** November 10, 2015 5:22 PM  
**To:** Judith Weeks  
**Subject:** FW: Response to Innovation Studies proposals

Hi Judy,

Not sure if I forwarded this to you yet or not.

This is SST. We should have this listed with Jen's Inequality course.

jamey

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**From:** Kathryn Nakagawa  
**Sent:** Monday, November 09, 2015 8:30 AM  
**To:** Jameson Wetmore  
**Cc:** Mary Fonow; Jenny Smith  
**Subject:** Response to Innovation Studies proposals

Dear Jamey,

Thank you for the opportunity to review your proposed undergraduate programs in Innovation in Society. The focus on preparing students to “build more inclusive societies” and “analyze the diverse local and global futures” that innovation will enable is an exciting area of study!

As the program develops, we would encourage you to think very broadly about what is meant by inclusion and diversity and more systematically and thoughtfully include the study of race, gender, class and disability into your curriculum. Although we noted that a few of our JUS and WST courses are listed as potential electives, there are a number of other courses that might also be helpful to your program development. These are listed below. Please let me know if you need additional information.

Sincerely,  
Kathy

Kathy Nakagawa  
Associate Professor & Associate Director of Undergraduate Studies  
School of Social Transformation  
Arizona State University  
[nakagawa@asu.edu](mailto:nakagawa@asu.edu)

### List of SST suggested courses for Innovation Studies degrees, minor and certificate

AFR 317	Genes, Race & Society
AFR 380	Health Issues in the African American Society
APA 210	Introduction to Ethnic Studies in the U.S.
APA 352	Race, Space and the Production of Inequality
JUS 325	Global Politics and Human Rights

JUS 370 Cultural Diversity and Justice  
JUS 415 Gender and International Development  
SST 235 Disability, Justice and Advocacy  
WST 340 Gender, Science and Technology  
WST 365 Women and International Health  
WST 447 Gender, Culture and Development