

This form should be used by programs seeking to establish a new graduate certificate. All sections should be completed.

The graduate certificate is a programmatic or linked series of courses in a single field or in one that crosses disciplinary boundaries. The graduate certificate facilitates professional growth for people who already hold the baccalaureate degree. The graduate certificate enables the university to respond to societal needs while promoting university cooperation with corporate, industrial, and professional communities.

This proposal template should be completed in full and submitted to the University Provost's Office [mail to: curriculumplanning@asu.edu]. It must undergo all internal university review and approval steps including those at the unit, college, and university levels. A program **may not** be implemented until the Provost's Office notifies the academic unit that the program may be offered.

GRADUATE CERTIFICATE

College/School: School of Sustainability (CSS)

Note: Program ownership is coded at the College/School level first and may not be a center, department or division apart from it.

Department/Division/School: Dean's Office

Proposing faculty group (if applicable): N/A

Name of proposed graduate certificate: Sustainability

Is a program fee required? No, a program fee is not required.

Note: for more information about program fee requests, visit <https://provost.asu.edu/curriculum-development/changemaker/form-instructions#fees>

Is the unit willing and able to implement the program if the fee is denied? N/A

Requested effective term and year: Fall 2020

(The first semester and year for which students may begin applying to the certificate)

Delivery method and campus or location options: *select all locations that apply*

Downtown Phoenix Polytechnic Tempe West Other: _____

Both on-campus and ASU Online* - (check applicable campus(es) from options listed above)

ASU Online only (all courses online and managed by ASU Online)

Note: Once students elect a campus or Online option, students will not be able to move 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. Please complete the ASU Online Offering form in [Curriculum ChangeMaker](#) to begin this request. Prior to completing the online Curriculum ChangeMaker form, please contact EdPlus at asuonline@asu.edu who can provide you with additional information regarding the online request process.


Do Not Fill in this information: Office Use Only	CIP Code:
Plan Code:	

PROPOSAL CONTACT

Name: Caroline J. Harrison **Title:** Curricula and Academic Programs

Phone number: 480-965-8645

Email: Caroline.Harrison@asu.edu

DEAN APPROVAL(S)	
<p>This proposal has been approved by all necessary unit and college/school levels of review, and the college/school(s) has the resources to offer this degree program. I recommend implementation of the proposed certificate program.</p> <p><i>Note: An electronic signature, an email from the dean or dean's designee, or a PDF of the signed signature page is acceptable.</i></p>	
<p>College/School/Division Dean name: Christopher G. Boone</p> <p style="font-size: small; margin-left: 100px;">DocuSigned by:</p>	<p>Signature: </p> <p style="font-size: x-small; margin-left: 100px;">1B3050E266EE4E9</p>
<p align="right">Date: January 27, 2020</p>	

Please note: Proposals for new certificates also require the review and recommendation of approval from the University Graduate Council, Curriculum and Academic Programs Committee (CAPC), the Academic Senate (two readings), and the Office of the Provost before they can be put into operation.

The final approval notification will come from the Office of the Provost.

1. OVERVIEW

Below, please provide a brief overview of the certificate, including the rationale and need for the program, potential size and nature of the target audience, information on comparable programs (at ASU and/or peer institutions), how this program would relate to existing programs at ASU, and any additional appropriate information.

Established in 2006, the School of Sustainability was the first to offer degrees not only at Arizona State University but in the nation. Since then the inclusion of sustainability in academic courses and programs has grown exponentially. On the undergraduate level, students can add sustainability to their course of study through the Sustainability Undergraduate Minor. Currently, there is nothing available for graduate students who would like to explore Sustainability and how it applies to their preferred area of study at the graduate level. A graduate certificate in Sustainability will allow students at the graduate level to explore and incorporate these important concepts. Students will be able to pursue the certificate while concurrently enrolled in a graduate degree program at ASU or as a stand-alone certificate that can benefit them professionally.

Currently there are more than 20 graduate programs that incorporate sustainability in some way at Arizona State University, outside of the 10 plus programs offered by the School of Sustainability. In addition, courses offered by the school are used as a core part of specializations and draw students from across the university including W. P. Carey School of Business, Herberger Institute for Design and the Arts, Watts College of Public Service and Community Solutions, The College of Liberal Arts and Sciences, and Ira A. Fulton Schools of Engineering. Other programs such as the Thunderbird's Master of Global Management and the Master of Science in Global Technology and Development from the School for the Future of Innovation in Society have expressed interest in incorporating graduate sustainability courses. An existing Graduate Certificate in Sustainability will make this interdisciplinary cooperation easier to achieve.

Sustainability is a major area of job growth. Many organizations, businesses, governments, and agencies are searching for potential employees with some knowledge of sustainability and how to apply it. The target audience for the graduate certificate is any existing graduate student that would like to add a more in-depth study of Sustainability to their existing program. Students who would like to understand the concepts and techniques and how to incorporate those into their areas of specialization will also find this certificate beneficial. Non-degree seeking students will also be interested as it provides them an opportunity to understand the field before embarking on a full degree program. They would also find it useful if they need to add sustainability knowledge as part of their professional development.

The two core courses as well as many of the potential sustainability electives will be designed and offered fully online as both oCourses and iCourses. There will be no significant difference in the courses between those taking them through ASUOnline and those taking them from any of the ground campuses. Students in the ground immersion will take a combination of ground and iCourses as electives to provide some flexibility with the program. This will make the certificate easily accessible to graduate students at all of the current ASU campuses as well as to students through ASUOnline. The potential audience may be difficult to assess but, based on the experience with the

undergraduate sustainability minor, it is expected to achieve high growth as students become aware of it and how it can fit into their current plan of study. There is a demand for employees and leaders who know what sustainability is and understand its complexity, understand how to approach problems and solutions, and know how to work with and draw from different disciplines. By engaging a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, sustainability students prepare themselves for a variety of careers. Recent interest in sustainability within business and government has created new employment opportunities – in positions like sustainability coordinators, directors, and managers. Adding a sustainability certificate to their educational portfolio may allow graduates to assume positions in industry, consultancy, utilities, regulatory agencies, nonprofits, governmental agencies and nongovernmental organizations.

2. ADMINISTRATION AND RESOURCES

A. Administration

How will the proposed certificate be administered (including recommendations for admissions, student advisement, retention etc.)? Describe the administering body in detail, especially if the proposed certificate is part of a larger interdisciplinary agenda. How will the graduate support staffing needs for this proposed certificate program be met?

Admission and oversight will be done through the processes already established for handling of students and overseeing graduate education in the School of Sustainability. Specifically, SOS's Graduate Committee, which oversees graduate academic programs, will be responsible for reviewing applicants, advising them on course selection, and reviewing and approving course petitions. The chair of the graduate committee will be overseeing the program.

There is adequate support to launch and maintain the certificate. Course content will be delivered by existing faculty.

B. Resource requirements needed to launch and sustain the program

Describe any new resources required for this program's success such as new staff, new facilities, new library resources, new technology resources, etc. If multiple units/programs will collaborate in offering this certificate, 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 certificate program.

The proposed certificate is built upon existing courses taught by current ASU faculty and offered on their established schedules. Therefore, no additional personnel hours, materials, space or equipment is needed.

C. Projected Enrollment:

How many new students do you anticipate enrolling in this program each year for the next three years?

3-YEAR PROJECTED ANNUAL ENROLLMENT			
Please utilize the following tabular format	1st Year	2nd Year <small>(Yr. 1 continuing + new entering)</small>	3rd Year <small>(Yr. 1 & 2 continuing + new entering)</small>
Number of students in certificate (Headcount)	20	40	60

3. STUDENT LEARNING OUTCOMES AND ASSESSMENT

A. List the knowledge, competencies and skills students should have attained by graduation from the proposed degree program. (Examples of program Learning Outcomes can be found at <https://uoeee.asu.edu/>. Go to the Assessment accordion dropdown and select Assessment Plan to view sample outcomes.)

Assessment Plan approved by University Office of Evaluation and Educational Effectiveness has been added. See Appendix III.

- B. Describe the plans and methods to assess** whether students have achieved the knowledge, competencies and skills identified in the Learning Outcomes listed above. Please list measures and scales for each outcome. (You can find examples of assessment methods at <https://uoeee.asu.edu/>. Go to the Assessment accordion dropdown and select Assessment Plan to view sample measures.)

Assessment Plan approved by University Office of Evaluation and Educational Effectiveness has been added. See Appendix III.

4. ACADEMIC REQUIREMENTS

- A. Minimum credit hours required for certificate** (15 credit hour minimum)

15

- B. As applicable, please describe culminating experience if required** (e.g., applied project, portfolio, capstone course, etc.)

No culminating experience required

- C. Please state the satisfactory student academic progress standards and** guidelines (including any time limits for completion). All coursework used to complete an ASU graduate certificate must be completed within a six-year time limit, maintaining continuous enrollment.

The certificate may be completed in 18-24 months. All coursework used to complete an ASU graduate certificate must be completed within a six-year time limit. Students must abide by all policies set forth by Graduate College and the School of Sustainability. In addition, they must maintain a 3.0 GPA to remain in good standing. Students must complete the certificate program within six years, maintaining continuous enrollment. Students who are deemed unsatisfactory may be recommended to Graduate College for dismissal from the certificate program.

- D. Will this proposed certificate program allow sharing of credit hours from another ASU degree program to be used as part of this certificate program?** (Please note that a maximum of 12 graduate-level credit hours taken as a non-degree student at ASU, including as a part of a certificate program, may be used towards a future graduate degree at ASU. No more than 40% of coursework towards the requirements of a graduate certificate can be completed prior to admission to the certificate program.)

Yes. The certificate allows the sharing of hours based on Graduate College policy and the policy of the programs with which the credits may be shared.

- E. Below, please list all required and elective courses in the appropriate boxes** (you may attach additional pages if necessary).

Please ensure that all *new* core course proposals have been submitted to the Provost’s office through the Curriculum ChangeMaker online course proposal submission system before this initiative is put on the University Graduate Council and CAPC agendas.

Note: a minimum of 2/3 of the courses required for a graduate certificate must be at the 500-level or above.

Required Core Courses for the Certificate			
Prefix and Number	Course Title	New Course?	Credit Hours
SOS 508	Pathways to Sustainability	No	3

SOS 509	Leading Sustainability Transitions	No	3
<i>Section sub-total:</i>			6
Electives <i>(as deemed necessary by supervisory committee)</i>			
Prefix and Number	Course Title	New Course?	Credit Hours
EMS, SFS, SOS	Sustainability Focused Electives from EMS, SFS, SOS or other as approved by the sustainability graduate committee	No	6
	Other Elective related to Sustainability and the student's plan of study	No	3
<i>Section sub-total:</i>			9
Total required credit hours			15

1. List all required core courses and total credit hours for the core (required courses other than internships, capstone course, etc.).
2. Omnibus numbered courses cannot be used as core courses.
3. Permanent numbers must be requested by submitting a course proposal to Curriculum ChangeMaker for approval.

F. Current Faculty: Complete the table below for all current faculty members who will teach in the program.

Name	Rank	Highest Degree	Area of Specialization/Expertise	Estimated Level of Involvement
Rob Melnick	Presidential Professor of Practice	PhD	public policy, urban development, economic development, scenarios, strategic planning, corporate relations, policy and governance, Partnerships for the Goals, Sustainable Cities and Communities,	Teaching 1 to 2 courses
Shirley-Ann Behravesh	Lecturer	PhD	corporate sustainability, social/environmental enterprise, hybrid organizations, sustainability index, industrial standards, organizational theory, green business practices, Peace, Justice and Strong Institutions, Responsible Consumption and Production, Industry, Innovation and Infrastructure, Decent Work and Economic Growth,	Teaching 1 to 2 courses
Marty Anderies	Professor	PhD	human ecology, mathematical bioeconomics, modeling and simulation, resource management, agrarian societies, bioeconomics, dynamical systems, economic development, natural resource management, environmental humanities, humanism, Peace, Justice and Strong Institutions,	Graduate Director, Teaching 1 to 2 courses
Josh Abbott	Associate Professor	PhD	ecosystem services, environmental economics, land	Teaching 1 to 2 courses

			use and land cover, fisheries, bioeconomics, econometrics, economic valuation, Decent Work and Economic Growth, Life Below Water, statistics, climate change, ecology,	
George Basile	Professor of Practice	PhD	green business practices, biotechnology, strategic leadership, emerging technologies, strategic sustainability, entrepreneurship, environmental humanities, humanism, Industry, Innovation and Infrastructure,	Teaching 1 to 2 courses
Kelli Larsen	Professor	PhD	human dimensions of science and technology, Partnerships for the Goals, Life on Land, Sustainable Cities and Communities, Clean Water and Sanitation, urban social-ecological systems, socioecology, natural resource management, multicultural perspectives, landscape studies, water resource management, environmental policy, ecosystem services, decision making, culture, communities, climate change impacts, citizen actions, boundary spanning organizations, urban ecology,	Teaching 1 or 2 courses
Arnim Wiek	Professor	PhD	sustainability science, urban development, emerging technologies, scenarios, sustainability assessment, policy and governance, decision making, participatory research methods, intervention research, transition research, climate change and adaptation, Quality Education,	Teaching 1 or 2 courses

5. COURSES

A. New Courses Required for Proposed Certificate: Provide course prefix, number, title, credit hours and brief description for any new courses required for this certificate program.

None

6. REQUIRED SUPPORTING DOCUMENTS

(Please label accordingly, i.e., Appendix or Attachment A, B, etc.)

Please include the following with your proposal:

- A. Statements of support from all deans (see Appendix II)

APPENDIX I

OPERATIONAL INFORMATION FOR GRADUATE CERTIFICATES

(This information is used to populate the [Graduate Programs Search](#) website.)

1. **Proposed name of certificate:** Graduate Certificate in Sustainability

2. **Marketing description** *(Optional - 50 words maximum. The marketing description should not repeat content found in the program description.)*

In a connected world facing increasing challenges, leaders need to understand the relationships between humans, the environment, and the economy. The School of Sustainability allows people from diverse backgrounds to collaborate through innovative, solutions-based thinking. The school has an established track record addressing critical issues facing this planet.

3. **Provide a brief program description** *(Catalog type (i.e. will appear in Degree Search) – no more than 150 words. Do not include any admission or curriculum information)*

Developing sustainable solutions depends on interdisciplinary collaboration. The graduate certificate in sustainability provides the foundational knowledge required to integrate sustainable thinking into any academic or professional field. The skills developed in this program, like systems thinking and solutions-based problem solving, are essential to addressing sustainability challenges across disciplines. Students in the program will learn to communicate and collaborate with faculty and peers from varied backgrounds, preparing them to lead teams in the future.

The courses in the certificate program introduce students to the foundations of sustainability through a disciplinary overview and problem-solving methodology. Through electives, students can explore specific areas that are of greatest interest. Subjects include policy, international development, clean air and water, sustainable food systems, corporate social responsibility, waste reduction, human rights, climate transformation, and clean energy. The certificate is designed to be taken independently or as a supplement to another graduate degree program.

4. **Delivery/Campus Information Options:** Both, On-Campus and ASU Online

5. **Campus(es) where program will be offered:**

ASU Online curriculum consists of courses that have no face-to-face content. iCourses are online courses for students in on-campus programs. iCourses may be included in a program, but may not comprise the entirety of a program. On-campus programs must have some face-to-face content

Note: Office of the Provost approval is needed for ASU Online campus options.

ASU Online only (all courses online and managed by ASU Online)

All other campus or location options (please select all that apply):

Downtown Phoenix Polytechnic Tempe West Other: _____

Both on-campus and ASU Online* - (check applicable campus(es) from options listed above)

**Note: Once students elect a campus or Online option, students will not be able to move 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. Please complete the ASU Online Offering form in [Curriculum ChangeMaker](#) to begin this request. Prior to completing the online Curriculum ChangeMaker form, please contact EdPlus at asuonline@asu.edu who can provide you with additional information regarding the online request process*

If the certificate program is ground only, it will only be open to international students who are already enrolled in a degree program at ASU and they must complete the certificate before the degree is awarded. If this certificate is ground only, please indicate this in the additional application information below.

6. Admission Requirements

An applicant must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

1. graduate admission application and application fee
2. official transcripts
3. proof of English proficiency

Additional Application Information

Applicants whose native language is not English must provide proof of English proficiency regardless of current residency.

7. Application Review Terms (if applicable session):

Indicate the first term and year in which applications will be opened for admission. Applications will be accepted on a rolling basis after that time.

Note: It is the academic unit's responsibility to display program deadline dates on their website.

Terms	Years	University Late Fee Deadline
<input checked="" type="checkbox"/> Fall (regular) <input checked="" type="checkbox"/> Session B	(year): 2020 (year): 2020	July 1st October 1st
<input checked="" type="checkbox"/> Spring (regular) <input checked="" type="checkbox"/> Session B	(year): 2021 (year): 2021	December 1st February 8th
<input checked="" type="checkbox"/> Summer (regular)	(year): 2021	May 14th
<p><i>Note: Session B is only available for approved online programs.</i></p>		

Program admission deadlines website address: <https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/>

8. Curricular Requirements:

Curricular Structure Breakdown for the Academic Catalog:
(To be completed by the Graduate College)

15 credit hours

Required Core (6 credit hours)
 SOS 508 Pathways to Sustainability (3)

SOS 509 Leading Sustainability Transitions (3)

Electives (9 credit hours)

Additional Curriculum Information

Students will select six credit hours of sustainability focused electives from EMS, SFS, and SOS course prefixes. Other coursework may be used with approval of the sustainability graduate committee.

In addition, students will take three credit hours of other elective coursework related to sustainability.

9. Keywords: List all keywords that could be used to search for this certificate. Keywords should be specific to the proposed certificate – limit 10 keywords.

Organizational Transformation, Sustainable Solutions, Interdisciplinary

10. Area(s) of Interest

A. Select one (1) primary area of interest from the list below that applies to this program.

- | | |
|--|---|
| <input type="checkbox"/> Architecture & Construction | <input type="checkbox"/> Interdisciplinary Studies |
| <input type="checkbox"/> Arts | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Business | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Communication & Media | <input type="checkbox"/> Psychology |
| <input type="checkbox"/> Education & Teaching | <input type="checkbox"/> STEM |
| <input type="checkbox"/> Engineering & Technology | <input type="checkbox"/> Science |
| <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> Social and Behavioral Sciences |
| <input type="checkbox"/> Health & Wellness | <input checked="" type="checkbox"/> Sustainability |
| <input type="checkbox"/> Humanities | |

B. Select one (1) secondary area of interest from the list below that applies to this program.

- | | |
|--|---|
| <input type="checkbox"/> Architecture & Construction | <input type="checkbox"/> Interdisciplinary Studies |
| <input type="checkbox"/> Arts | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Business | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Communications & Media | <input type="checkbox"/> Psychology |
| <input type="checkbox"/> Education & Teaching | <input type="checkbox"/> STEM |
| <input type="checkbox"/> Engineering & Technology | <input type="checkbox"/> Science |
| <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> Social and Behavioral Sciences |
| <input type="checkbox"/> Health & Wellness | <input type="checkbox"/> Sustainability |
| <input type="checkbox"/> Humanities | |

11. Contact and Support Information:

Office Location - Building Code & Room: <i>(Search ASU map)</i>	Wrigley Hall, 108
Campus Telephone Number: (may not be an individual's number)	480-727-6963
Program Email Address: (may not be an individual's email)	SOSGradSunDevil@asu.edu
Program Website Address: (if one is not yet created, use unit website until one can be established)	https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/

Program Director (Name):	Marty Anderies
Program Director (ASURITE):	janderie
Program Support Staff (Name):	Melissa Dengler
Program Support Staff (ASURITE):	mdengle1
Admissions Contact (Name):	Melissa Dengle
Admissions Contact (ASURITE):	mdengle1

12. Application and iPOS Recommendations: List the Faculty and Staff that will input admission/POS recommendations to Gportal **and** indicate their approval for Admissions and/or POS:

NAME	ASURITE	ADMSN	POS
Melissa Dengler	mdengle1	Yes	Yes
Ivy Gerbis	bohnlein	Yes	Yes
Lisa Murphy	leesed	Yes	Yes

APPENDIX II

Statements of Collaboration and Impact

School of Sustainability – Official Submission

From: [Caroline Harrison](#)
To: ["curriculumplanning@asu.edu"](mailto:curriculumplanning@asu.edu)
Cc: [Amanda Morales-Calderon](#); [Erin Froncek](#)
Subject: RE: Proposal for Graduate Certificate in Sustainability
Date: Monday, January 27, 2020 12:34:27 PM
Attachments: [establishing-graduate-certificates Sustainability V2.docx.pdf](#)
[Tepper Herberger Support.pdf](#)

Attached is the signed pdf of the proposal as well as the statement of support from Herberger.

Thanks.

Caroline

From: Caroline Harrison
Sent: Friday, January 24, 2020 3:20 PM
To: 'curriculumplanning@asu.edu' <curriculumplanning@asu.edu>
Cc: Amanda Morales-Calderon <AMANDA.MORALES-CALDERON@asu.edu>; Erin Froncek <Erin.Froncek@asu.edu>
Subject: Proposal for Graduate Certificate in Sustainability

Attached is the Word version of our Proposal for a Graduate Certificate in Sustainability. I will forward the pdf with our Dean's signature by early next week (he is currently travelling). I have also attached a zip file with the letters of support we currently have. I will forward the remaining ones when they come in. I have also attached the memo of support from ASUOnline. I am sending it now that we have most of the support so that it can get into the queue for review as soon as possible.

Let me know if you have any questions.

Thanks.

Caroline J. Harrison, PhD
Curricular and Academic Programs



P.O. Box 875502 | Tempe, Arizona | 85287-5502
PH: 480-965-8645 | Main: 480-965-2975
SchoolOfSustainability.asu.edu

EdPlus – ASU Online Support



MEMORANDUM

To: Caroline Harrison
From: Carolyn Culley
Date: 1/7/2020
Subject: Sustainability (Graduate Certificate)

Dear Caroline,

Congratulations!

The Sustainability Graduate Certificate program has received support from Dean Phil Regier to be offered through ASU Online. This program must complete university governance reviews for formal approval. Please include this support memo along with your proposal submission when it is submitted formally to the university (to curriculumplanning@asu.edu) by your dean or their designee.

Please note that in order to proceed with implementation, final approval must be supplied by the university provost.

Once again, congratulations! We are excited to work with you on your new program.

Thank you!

Carolyn Culley
Associate Director, Academic Program Management
EdPlus at ASU
Arizona State University
Phone: (480) 884-0156
Carolyn.Culley@asu.edu

CC: Jennifer Griffin
CurriculumPlanning@asu.edu

Mary Lou Fulton Teachers College

Caroline Harrison

From: Christopher Boone
Sent: Thursday, January 16, 2020 4:56 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone

Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

The School of Sustainability embraces ASU's mission as being a comprehensive public research university, measured not by whom it excludes, but rather by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves. We support and foster a culture of inclusiveness, tolerance, and respect that promotes equal opportunity and diversity among SOS faculty, staff, and students and through our engagement with diverse communities within and beyond the University.

From: Carole Basile (Dean) <Carole.Basile@asu.edu>
Sent: Thursday, January 16, 2020 4:26 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: Re: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

This looks great Chris! I am very happy to support this program!

Best—cb

Carole G. Basile
Dean
Arizona State University
Mary Lou Fulton Teachers College
[P.O. Box 871811, Tempe, AZ 85281-1811](http://P.O.Box.871811.Tempe.AZ.85281-1811)
O: [480.965.3463](tel:480.965.3463) | M: [480.310.6887](tel:480.310.6887)

On Jan 16, 2020, at 11:20 AM, Christopher Boone <Christopher.G.Boone@asu.edu> wrote:

Dear Carole,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone

Dean and Professor

<image001.jpg>

P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2238 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

The School of Sustainability embraces ASU's mission as being a comprehensive public research university, measured not by whom it excludes, but rather by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves. We support and foster a culture of inclusiveness, tolerance, and respect that promotes equal opportunity and diversity among SOS faculty, staff, and students and through our engagement with diverse communities within and beyond the University.

<establishing-graduate-certificates Sustainability V2.docx>

Walter Cronkite School of Communication and Mass Journalism

Caroline Harrison

From: Christopher Boone
Sent: Monday, January 20, 2020 6:17 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502
PH: 480-965-2236 | Main: 480-965-2975

Executive Assistant: Lorraine.Protocollo@asu.edu
SchoolOfSustainability.asu.edu

The School of Sustainability embraces ASU's mission as being a comprehensive public research university, measured not by whom it excludes, but rather by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves. We support and foster a culture of inclusiveness, tolerance, and respect that promotes equal opportunity and diversity among SOS faculty, staff, and students and through our engagement with diverse communities within and beyond the University.

From: Christopher Callahan <Christopher.Callahan@asu.edu>
Sent: Monday, January 20, 2020 6:15 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Cc: Rebecca Blatt <Rebecca.Blatt@asu.edu>
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Chris,

On behalf of the Cronkite School, I pleased to support this proposal for a Graduate Certificate in Sustainability.

This proposed certificate offers opportunity for collaboration and deep learning for our graduate students. As you know, news coverage of sustainability issues is a key priority for the Cronkite School and for news organizations across the country. Many of our graduate journalism students report for the sustainability team in our Cronkite News capstone experience, but most do not come to the team with subject-matter expertise.

This certificate would allow them to develop specialization in advance of the capstone. The coursework would prepare them to produce deeper reporting, more nuanced storytelling and more marketable skills. Some of our Cronkite School alumni may even return for this graduate certificate later in their careers.

I am pleased to offer our students these opportunities, and I do not anticipate any negative impact of this proposal.

Sincerely,

Chris

Christopher Callahan
Dean and Professor, Walter Cronkite School of Journalism and Mass Communication
Vice Provost, Arizona State University
CEO, Arizona PBS
555 N. Central Ave.
Phoenix, Ariz. 85004
602.496.5012
ccallahan@asu.edu
<http://cronkite.asu.edu>
<http://facebook.com/CronkiteSchool>
[http://twitter.com/Cronkite ASU](http://twitter.com/Cronkite_ASU)

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Sent: Thursday, January 16, 2020 11:18 AM
To: Christopher Callahan <Christopher.Callahan@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Chris,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor

 **School of Sustainability**
Arizona State University

P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

The School of Sustainability embraces ASU's mission as being a comprehensive public research university, measured not by whom it excludes, but rather by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves. We support and foster a culture of inclusiveness, tolerance, and respect that promotes equal opportunity and diversity among SOS faculty, staff, and students and through our engagement with diverse communities within and beyond the University.

School for the Future of Innovation in Society

Caroline Harrison

From: Christopher Boone
Sent: Thursday, January 16, 2020 3:51 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502
PH: 480-965-2238 | Main: 480-965-2975
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Executive Assistant: Lorraine.Protocollo@asu.edu

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From: David Guston <David.Guston@asu.edu>
Sent: Thursday, January 16, 2020 3:21 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: Re: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Chris

I am happy to support the establishment of a Graduate Certificate in Sustainability.

Regards,

Dave

David H. Guston
Foundation Professor
Director
School for the Future of Innovation in Society (SFIS)
Co-director
Consortium for Science, Policy and Outcomes (CSPO)
Interim Co-director
Institute for the Future of Innovation in Society (IFIS)

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Date: Thursday, January 16, 2020 at 11:15 AM
To: David Guston <David.Guston@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Dave,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor



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College of Health Solutions

Caroline Harrison

From: Christopher Boone
Sent: Tuesday, January 21, 2020 7:07 AM
To: Caroline Harrison
Subject: Fwd: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Sent from my mobile
Christopher Boone
Dean and Professor
School of Sustainability
Arizona State University

From: Deborah Helitzer (Dean) <Deborah.Helitzer@asu.edu>
Sent: Monday, January 20, 2020 9:59:27 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: Re: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Hi Chris – my team reviewed this and found that there is no overlap. However, they commented that Chris Wharton's NTR 533 course could be a good fit as an elective.

Thanks!

Deborah

DEBORAH L. HELITZER, Sc.D.

Dean and Professor
College of Health Solutions
Arizona State University
Email: deborah.helitzer@asu.edu
Phone: 602.496.2511
For information or appointments, please contact Daniel Eckstrom (Daniel.Eckstrom@asu.edu)



From: Christopher Boone <Christopher.G.Boone@asu.edu>
Date: Thursday, January 16, 2020 at 11:16 AM
To: "Deborah Helitzer (Dean)" <Deborah.Helitzer@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Deborah,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

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W. P. Carey School of Business

Caroline Harrison

From: Christopher Boone
Sent: Thursday, January 16, 2020 12:37 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone

Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

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Executive Assistant: Lorraine.Protocollo@asu.edu

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From: Amy Hillman (DEAN) <AMY.HILLMAN@asu.edu>
Sent: Thursday, January 16, 2020 11:58 AM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: Re: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Hello Chris,

The W. P. Carey School of Business is supportive of your new graduate certificate in Sustainability. I'm hoping once it launches to get MBAs into it.

Thanks,
Amy

Amy J. Hillman, PhD
Dean and
Charles J. Robel Dean's Chair
W. P. Carey School of Business
Arizona State University
amy.hillman@asu.edu
480.965.3402

On Jan 16, 2020, at 11:12 AM, Christopher Boone <Christopher.G.Boone@asu.edu> wrote:

Dear Amy,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor
<image001.jpg>

P.O. Box 875502 | Tempe, Arizona | 85287-5502
PH: 480-965-2236 | Main: 480-965-2975
SchoolOfSustainability.asu.edu
Executive Assistant: Lorraine.Protocollo@asu.edu

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<establishing-graduate-certificates Sustainability V2.docx>

The College of Liberal Arts and Sciences

Caroline Harrison

From: Christopher Boone
Sent: Thursday, January 16, 2020 11:23 AM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone

Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

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Executive Assistant: Lorraine.Protocollo@asu.edu

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From: Patrick Kenney <pkenney@asu.edu>
Sent: Thursday, January 16, 2020 11:21 AM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: RE: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

This is fine, thanks Chris. Pat

Patrick J. Kenney

Dean, The College of Liberal Arts and Sciences

Foundation Professor, School of Politics and Global Studies

Arizona State University

From: Christopher Boone
Sent: Thursday, January 16, 2020 11:17 AM
To: Patrick Kenney <pkenney@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Pat,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,

Chris

Christopher Boone

Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

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Watts College of Public Service and Community Solutions

Caroline Harrison

From: Christopher Boone
Sent: Friday, January 24, 2020 7:53 AM
To: Caroline Harrison
Subject: Fwd: Graduate Certificate in Sustainability Proposal and Request for Letter of Support
Attachments: establishing-graduate-certificates Sustainability V2.docx

Sent from my mobile
Christopher Boone
Dean and Professor
School of Sustainability
Arizona State University

From: William Terrill <wcterrill@gmail.com>
Sent: Friday, January 24, 2020 5:31:52 AM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: Fwd: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Good Morning Chris,

The Watts College of Public Service and Community Solutions is supportive of the School of Sustainability's proposed Graduate Certificate in Sustainability.

Best regards,

Bill

William Terrill, PhD

Arizona State University

Interim Associate Dean, Watts College of Public Service and Community Solutions

Professor, School of Criminology & Criminal Justice

Co-Editor, *Policing: A Journal of Policy & Practice*

----- Forwarded message -----

From: Jonathan Koppell <koppell@asu.edu>
Date: Thu, Jan 16, 2020 at 4:55 PM
Subject: Fwd: Graduate Certificate in Sustainability Proposal and Request for Letter of Support
To: william.terril@asu.edu <william.terril@asu.edu>

tnks

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Sent: Thursday, January 16, 2020 11:20:10 AM
To: Jonathan Koppell <koppell@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Jonathan,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

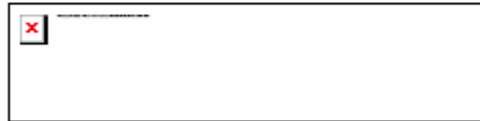
I would be grateful if you could provide a letter to me by January 31.

Thanks,

Chris

Christopher Boone

Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

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College of Integrative Sciences and Arts

Caroline Harrison

From: Christopher Boone
Sent: Sunday, January 19, 2020 2:47 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502
PH: 480-965-2236 | Main: 480-965-2975
Executive Assistant: Lorraine.Protocollo@asu.edu
SchoolOfSustainability.asu.edu

From: Duane Roen (Dean) <Duane.Roen@asu.edu>
Sent: Saturday, January 18, 2020 8:39 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: RE: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Chris,

CISA is delighted to support your proposal for a graduate certificate in sustainability. It looks great!

Let us know how we can help with anything.

Best,
Duane

Duane Roen
Vice Provost, Polytechnic campus
Dean, College of Integrative Sciences and Arts
Arizona State University
Mail Code: 2780
7271 E Sonoran Arroyo Mall
Mesa, AZ 85212-6415
P: 480-727-1415

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Sent: Thursday, January 16, 2020 11:17 AM
To: Duane Roen (Dean) <Duane.Roen@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Duane,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

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New College of Interdisciplinary Arts and Sciences

Caroline Harrison

From: Christopher Boone
Sent: Wednesday, January 22, 2020 9:34 AM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502
PH: 480-965-2236 | Main: 480-965-2975
Executive Assistant: Lorraine.Protocollo@asu.edu

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From: Todd Sandrin (DEAN) <Todd.Sandrin@asu.edu>
Sent: Tuesday, January 21, 2020 3:29 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: RE: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Very comfortable with that, Chris.

New College anticipates no negative impacts on its programs and looks forward to opportunities to support and enhance this innovative certificate.

Best,
Todd

Todd R. Sandrin, Ph.D.
Dean, [New College of Interdisciplinary Arts and Sciences](#)
Vice Provost, [West campus](#)
Professor, [School of Mathematical and Natural Sciences](#)
Senior Sustainability Scientist - [Julie Ann Wrigley Global Institute of Sustainability](#)



From: Christopher Boone <Christopher.G.Boone@asu.edu>
Sent: Thursday, January 16, 2020 12:38 PM
To: Todd Sandrin (DEAN) <Todd.Sandrin@asu.edu>
Subject: RE: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Thanks Todd. Even a couple of lines from you would suffice if you are comfortable with that.

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

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Executive Assistant: Lorraine.Protocollo@asu.edu

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From: Todd Sandrin (DEAN) <Todd.Sandrin@asu.edu>
Sent: Thursday, January 16, 2020 11:46 AM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: RE: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

No problem, Chris. Looks great. I'll connect with my team and be in touch with a more formal statement in a week or so.

Todd

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Sent: Thursday, January 16, 2020 11:19 AM
To: Todd Sandrin (DEAN) <Todd.Sandrin@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Todd,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor

Ira A. Fulton Schools of Engineering

Caroline Harrison

From: Christopher Boone
Sent: Saturday, January 18, 2020 10:01 AM
To: Caroline Harrison
Subject: Fwd: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Sent from my mobile
Christopher Boone
Dean and Professor
School of Sustainability
Arizona State University

From: Kyle Squires <squires@asu.edu>
Sent: Friday, January 17, 2020 9:59:50 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: RE: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Hi Chris,

We have reviewed the proposal and are supportive. This particular proposal is a nice addition to the current portfolio of graduate offerings in sustainability. Further, we foresee synergistic possibilities with the potential future offerings in this area that we may desire to create in Engineering. Thanks, and good luck!

-- Kyle

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Sent: Thursday, January 16, 2020 11:15 AM
To: Kyle Squires <squires@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Kyle,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor

The logo for the ASU School of Sustainability, featuring the ASU sun and mountain icon, the text "ASU School of Sustainability", and "Arizona State University" below it.

P.O. Box 875502 | Tempe, Arizona | 85287-5502

Herberger Institute for Design and the Arts

Caroline Harrison

From: Christopher Boone
Sent: Sunday, January 26, 2020 5:24 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone
Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502
PH: 480-965-2238 | Main: 480-965-2975

Executive Assistant: Lorraine.Protocollo@asu.edu
SchoolOfSustainability.asu.edu

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From: Steven Tepper (Dean) <Steven.Tepper@asu.edu>
Sent: Sunday, January 26, 2020 3:36 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Cc: Marcos Voss <Marcos.Voss@asu.edu>
Subject: Re: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Note: Chris, if you need the below on letterhead, please let Marcos know.

Chris:

I enthusiastically support the proposed graduate certificate in sustainability. We have significant numbers of graduate students who incorporate sustainability into their thesis and capstone projects – especially in the School of Art (MFA candidates) and across all the design disciplines (architecture, landscape architecture, interior architecture, visual and graphic design, industrial design).

I believe the certificate will be popular among Herberger Institute graduate students and I look forward to having HIDA classes with a sustainability focus included in the curriculum.

Sincerely,

Steven

Steven Tepper
Dean and Director
Foundation Professor

Herberger Institute for Design and the Arts

See our recent annual magazine – [Disrupt](#) – to learn more about how the Herberger Institute is transforming how artists and designers work in the world.

From: Christopher Boone <Christopher.G.Boone@asu.edu>
Date: Thursday, January 16, 2020 at 11:13 AM
To: Steven Jay Tepper <Steven.Tepper@asu.edu>
Subject: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Steven,

The School of Sustainability has proposed to establish a Graduate Certificate in Sustainability. I would appreciate it very much if you could review the proposal and provide a letter of support. Of course, I am happy to answer any questions.

I would be grateful if you could provide a letter to me by January 31.

Thanks,
Chris

Christopher Boone
Dean and Professor



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Executive Assistant: Lorraine.Protocollo@asu.edu

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Thunderbird School of Global Management

To be provided prior to University Graduate Council support to proceed.

Edson College of Nursing and Health Innovation

From: Christopher Boone
Sent: Friday, February 07, 2020 3:40 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Christopher Boone
Dean and Professor



Arizona State University

P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

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Executive Assistant: Lorraine.Protocollo@asu.edu

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From: Katherine Kenny <Katherine.Kenny@asu.edu>
Sent: Friday, February 7, 2020 3:25 PM
To: Judith Karshmer (DEAN) <Judith.Karshmer@asu.edu>; Christopher Boone <Christopher.G.Boone@asu.edu>
Cc: Susan Draughn <Susan.Draughn@asu.edu>
Subject: RE: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Chris –

Thank you for asking us to review the Graduate Certificate in Sustainability. This certificate does not conflict with nor impact any of our programs offered in the Edson College. On behalf of the Edson College of Nursing and Health Innovation we support this certificate. Good luck moving through the University approval processes.

Kathy

Katherine (Kathy) Kenny, DNP, RN, ANP-BC, FAANP, FAAN
Associate Dean of Academic Affairs
Clinical Professor



Sandra Day O'Connor College of Law

From: Christopher Boone
Sent: Friday, February 7, 2020 1:35 PM
To: Caroline Harrison
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support
Attachments: establishing-graduate-certificates Sustainability V2.docx

Christopher Boone

Dean and Professor



P.O. Box 875502 | Tempe, Arizona | 85287-5502

PH: 480-965-2236 | Main: 480-965-2975

SchoolOfSustainability.asu.edu

Executive Assistant: Lorraine.Protocollo@asu.edu

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From: Adam Chodorow <Adam.Chodorow@asu.edu>
Sent: Friday, February 7, 2020 1:34 PM
To: Christopher Boone <Christopher.G.Boone@asu.edu>
Subject: FW: Graduate Certificate in Sustainability Proposal and Request for Letter of Support

Dear Chris,

Doug forwarded me the email below. Sorry for the delay. The law school supports the proposal. Please let me know if you need anything else.

Adam

Adam Chodorow
Associate Dean for Academic Affairs
Jack E. Brown Professor of Law
Sandra Day O'Connor College of Law, Arizona State University
Mail Code 9520, 111 E. Taylor St, Phoenix, AZ 85004

APPENDIX III

Assessment Plan approved by University Office of Evaluation and Educational Effectiveness

University Office of Evaluation and Educational Effectiveness02-12-2020

Academic Program Assessment Plan

Cert in Sustainability

Status: UOEEE Provisional Approval

Comments: While ASU looks for more detail in descriptions in general, and pedagogy levels could be higher for a graduate program, minimum requirements for approval are met for this certificate plan.

Element Outcome Measure Description

AP_2Goal	0		The skills developed in this program, like systems thinking and solutions-based problem solving, are essential to addressing sustainability challenges across disciplines. Students in the program will learn to communicate and collaborate with faculty and peers from varied backgrounds, preparing them to lead teams in the future
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Outcome	1		Students with the Graduate Certificate in Sustainability will be able to summarize the basic concepts and principles of Sustainability.
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Plan_2Concepts	1		Students will learn systems, futures, values, strategic thinking and collaboration.
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Plan_3Competencies	1		Students will be able to define and discuss sustainability.
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AP_1Process	1	1	Data on student achievement from two key assignments in the initial core class will be used to assess this outcome.
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Measure	1	1	Sustainability Definitions Paper in SOS 508: Pathways to Sustainability.
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PC	1	1	80% if students will receive a B or better using a faculty approved rubric.
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Measure	1	2	Final Paper in SOS 508: Pathways to Sustainability
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PC	1	2	80% if students will receive a B or better using a faculty approved rubric.
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Outcome	2		Students with the Graduate Certificate in Sustainability will be able to apply the five key competencies of a sustainability profession to specific, contemporary sustainability challenges.
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Plan_2Concepts	2		Students will be able to apply systems, futures, values, strategic thinking and collaboration.
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Plan_3Competencies	2		Students will apply and define the sustainability competencies.
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AP_1Process	2	1	Data on student achievement from key assignments in the initial core class will be used to assess this outcome.
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Measure	2	1	Cumulative score on five competency papers in SOS 508: Pathways to Sustainability
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PC	2	1	80% if students will receive a B or better using a faculty approved rubric.
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Measure	2	2	Final Paper in SOS 508: Pathways to Sustainability
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PC	2	2	80% if students will receive a B or better using a faculty approved rubric.
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Element Outcome Measure Description

Outcome	3		Students with the Graduate Certificate in Sustainability will be able to develop strategies to initiate sustainability changes within an organization
Plan_2Concepts	3		Students will be able to understand and initiate change using systems, futures, values, strategic thinking and collaboration.
Plan_3Competencies	3		Students will understand and apply frameworks to initiate change.
AP_1Process	3	1	Data on student achievement from two key assignments in the second core class will be used to assess this outcome.
Measure	3	1	Module 6 Discussion Assignment: Relevancy of Frameworks in SOS 509 Leading Sustainability Transitions.
PC	3	1	80% if students will receive a B or better using a faculty approved rubric.
Measure	3	2	Final Exam in SOS 509: Leading Sustainability Transitions
PC	3	2	80% if students will receive a B or better using a faculty approved rubric.

If you have questions, please e-mail assessment@asu.edu or call UOEEE at (480) 727-1731.

(NEW GRADUATE INITIATIVES)

PROPOSAL PROCEDURES CHECKLIST

Academic units should adhere to the following procedures when requesting new curricular initiatives (degrees, concentrations or certificates).

Obtain the required approval from the Office of the Provost to move the initiative forward for internal ASU governance reviews/approvals. Please see the academic strategic plan website at: <https://provost.asu.edu/curriculum-development>.

Submit any new courses that will be required for the new curricular program to the Curriculum ChangeMaker online course approval system for review and approval.

- Additional information can be found at the Provost's Office Curriculum Development website: [Courses link](#)
- For questions regarding proposing new courses, send an email to: courses@asu.edu

Prepare the applicable proposal template and operational appendix for the proposed initiative.

Obtain letters or memos of support or collaboration (if applicable).

- When resources (faculty or courses) from another academic unit will be utilized
- When other academic units may be impacted by the proposed program request
- if the program will have an online delivery option support will be required from the Provost's office and ASU Online. *(Please complete the ASU Online Offering form in [Curriculum ChangeMaker](#) to begin this request.)*

Obtain the internal reviews/approvals of the academic unit.

- Internal faculty governance review committee(s)
- Academic unit head (e.g. Department Chair or School Director)
- Academic unit Dean (will submit approved proposal to the curriculumplanning@asu.edu email account for further ASU internal governance reviews (as applicable, University Graduate Council, CAPC and Senate)

Additional Recommendations

All new graduate programs require specific processes and procedures to maintain a successful program. Below are items that Graduate College strongly recommends that academic units establish after the program is approved for implementation.

Establish satisfactory academic progress policies, processes and guidelines – Check within the proposing academic unit and/or college to see if there are existing academic progress policies and processes in place. If none have been established, please go to http://graduate.asu.edu/faculty_staff/policies and scroll down to the **academic progress review and remediation processes** (for faculty and staff) section to locate the reference tool and samples for establishing these procedures.

Establish a Graduate Student Handbook for the new degree program – Students need to know the specific requirements and milestones they must meet throughout their degree program. A Graduate Student Handbook provided to students when they are admitted to the degree program and published on the website for the new degree gives students this information. Include in the handbook the unit/college satisfactory academic progress policies, current degree program requirements (outlined in the approved proposal) and provide a link to the Graduate Policies and Procedures website. Please go to http://graduate.asu.edu/faculty_staff/policies to access Graduate Policies and Procedures.