



**1. Overview**

**A. Description**

Provide a brief description of the proposed minor.

The minor in environmental science provides students with a fundamental understanding of how the natural world functions as a system, how changes in this system influence organisms and humans, and in turn how this system is impacted by humans. Students who complete an environmental science minor will then have the foundation to apply environmental concepts and awareness to their future careers. Many career fields have environmental applications, including business and entrepreneurship, health industry, economics, nonprofit and/or nongovernmental organizations, private consulting firms, and academic research careers. An understanding of human-environment interactions gained through this minor will augment students' major field of study and empower them to leverage their future careers to address environmental issues. To accommodate broad interests and provide applied experience for students from a variety of majors, the curriculum is designed to allow students to explore their interests by choosing from categories of scientific coursework and skill-based curricula to provide applied experiences for students from a variety of majors.

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

The environmental science minor is potentially of interest to students from a variety of majors, including those in other sciences such as biology, health-related fields, engineering fields, applied science, forensic science, as well as the social sciences and humanities such as ethics, education, economics, and business fields. Thus, being a concentration within just one major would limit access to students from diverse programs.

**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.

Students enrolled in the minor in environmental science are exposed to the same level of information as students in the major, but with less comprehensive coverage of all topics. Many students come into college with an interest in environmental issues, though they are majoring in another field that is specific to their career aspirations. This minor will allow those students to still take the desired coursework to build an understanding of the natural world and environmental issues, which increases their ability to leverage that knowledge in their future careers in diverse fields.

**D. Demand**

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

According to the U.S. Department of Labor's Occupational Outlook Handbook (<http://www.bls.gov/ooh/life-physical-and-social-science/environmental-scientists-and-specialists.htm>), job opportunities for Environmental Scientists are expected to increase by 15% over the next 10 years, which is faster than the national average, due to increased public interest in environmental hazards and increasing human demands on the environment. Humans rely on the environment; by understanding how it functions and changes, students minoring in environmental science can apply environmental science principles to their future careers, helping them leverage their training within their major field of study to be applicable to the job growth in the environmental sciences. The target audience will be students from any major interested in increasing their knowledge of the natural world with a desire to apply that knowledge to their future careers.

**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 (Headcount)	10	30	50

2. Support and Impact

A. Faculty governance

Attach 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.  
Attached.

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.)

Minor in Environmental and Resource Management (Ira A. Fulton Schools of Engineering)

The minor in Environmental and Resource Management focuses more on regulations, policies, and management of resources and waste in municipal or industrial settings, whereas our minor in Environmental Science focuses on understanding the biology and chemistry of how natural ecosystems function. For example, the Environmental and Resource Management courses cover topics on wastewater treatment, hazardous waste management, remediation techniques, and problems that require engineering as a solution, whereas the minor in Environmental Science includes science courses that cover organismal biology, ecosystem-level science, and skills in environmental science that fall outside of the engineering fields. The Environmental and Resource Management and Environmental Science curricula are complementary, but do not significantly overlap.

Certificate in Environmental Education (Mary Lou Fulton Teachers College)

The certificate in Environmental Education focuses on the pedagogy of environmental education while increasing environmental literacy in the future teachers, whereas the minor in Environmental Science includes courses that focus only on scientific content to increase students' understanding of the environment. Thus, the courses in our Environmental Science minor do not cover pedagogy of environmental education, but instead are designed to build scientific understanding of environments and developing professional skills in the environmental sciences.

Certificate in Environmental Humanities (College of Liberal Arts and College of Integrative Science and Arts)

The certificate in Environmental Humanities focuses on the humanities, such as how humans historically interact with their environment, environmental ethics and justice, and literacy. Whereas our minor in Environmental Science focuses on the development of in-depth scientific content to understand how the natural environment functions. These curricula are complementary, and as such our minor requires one course in environmental ethics, but the rest of the minor credits are dedicated towards understanding scientifically how the environment functions, rather than how the environment influences human culture.

Minor in Sustainability (College of Liberal Arts and Sciences) – The minor in Sustainability similarly combines an understanding of coupled human-natural interactions with a students' major field of study. However, it incorporates much more social science and humanities, whereas our minor in Environmental Science focuses on upper-level science content.

C. Letter(s) of support

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

N/A

**3. Academic Curriculum and Requirements**
**A. Knowledge, competencies, and skills**

List the knowledge, competencies, and skills (learning outcomes) students should have when they complete this proposed minor. Examples of program learning outcomes can be found at (<http://www.asu.edu/oue/assessment.html>).

Outcome 1: Be able to demonstrate knowledge in relevant areas of environmental science including pertinent topics in biology, chemistry, and ecology.

Outcome 2: Be able to demonstrate proficiency in relevant skills and techniques covered in required laboratory and technique classes.

**B. Program Map**

Attach a copy of the “proposed” map for this minor program. Instructions on how to create a “proposed minor map” in [BAMM](#) can be found in the [Build a Major Map Training Guide](#).

**C. Curricular structure**

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.

<b>Required Minor Courses</b>				
<b>Prefix</b>	<b>Number</b>	<b>Title</b>	<b>Is this a new course?</b>	<b>Credit Hours</b>
ENV	201	Fundamentals of Environmental Science	No	3
IAS/PHI	407	Environmental Philosophy and Policy <u>OR</u>	No	3
IAS/PHI	409	Eco-Community Ethics <u>OR</u>		
PHI	310	Environmental Ethics		
<i>Section sub-total:</i>				6
<b>Elective Minor Courses</b>				
<b>Prefix</b>	<b>Number</b>	<b>Title</b>	<b>Is this a new course?</b>	<b>Credit Hours</b>
		<b>Global/Ecosystem Focus</b>		
BIO	422	Ecosystem Ecology	No	3
CHM	302	Environmental Chemistry	No	3
ENV	410	Soil Science	No	4
LSC	434	Marine Ecology	No	3
MIC	443	The Microbial Universe <u>AND</u>	No	4
MIC	444	The Microbial Universe Laboratory		
		<b>Organismal Focus</b>		
BIO	370	Vertebrate Zoology	No	4
BIO	385	Comparative Invertebrate Zoology	No	4
BIO	410	Techniques in Conservation Biology and Ecology	No	3
BIO	412	Conservation in Practice	No	3
BIO	474	Herpetology	No	4
PLB		Any Upper Division PLB course	No	3-4

<b>Skills in Environmental Science</b>				
ENV	345	Spatial Analysis in the Environmental Sciences	No	3
ENV	385	Environmental Impact Assessment	No	3
ENV	388	Research Fundamentals for the Natural Sciences	No	3
ENV	499	Individualized Instruction	No	1-3
<i>Section sub-total:</i>				9
<b>Other Minor Requirements</b>				
<b>E.g.</b> – Capstone experience, internship, clinical requirements, field studies, foreign language skills as applicable				<b>Credit Hours</b>
<i>Section sub-total:</i>				
<b>Total minimum credit hours required for the minor</b>				<b>15</b>

D. Minimum residency requirement  
How many hours of the minor must be ASU credit?

9

E. New courses  
Provide a brief course description for each new course.

No new courses will be required.

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

**4. Administration and Resources**

A. Enrollment criteria  
Describe the procedures and any qualifications for enrollment in the minor.

Prerequisites for ENV 201 include BIO 181, BIO 182 and CHM 116.

B. Administration  
How will the proposed minor be administered (including enrollment, student advisement, retention, minor completion verification, etc.)?

The program will be administered by the School of Mathematical and Natural Sciences in the New College of Interdisciplinary Arts and Sciences. Regular oversight will be the responsibility of the Environmental Science Program Lead, who manages the well-being of our Environmental Science BS and BA. Admissions will be handled by the usual ASU admissions procedures. Advising for this program will be provided by academic advisors in our School (currently, there are three). These advisers currently serve all of the degree programs in our School. Teaching schedules and course offerings by semester are determined by the School Director in consultation with the Associate Director, faculty, and advisers. Technology support will be provided by ASU’s UTO office and the New College technology support staff.

**C. Resources**

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.

No new resources (including facilities, technology, library, or support) will be required. The curriculum is already in place as part of the Environmental Science BS and BA.

**D. Primary faculty**

List the primary faculty participants regarding this proposed certificate. For interdisciplinary certificates, 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 certificate</b>
Dr. Becky Ball	Associate Professor	Terrestrial ecology, soil science, biogeochemistry
Dr. Beth Polidoro	Associate Professor	Environmental chemistry, marine biodiversity
Dr. Cara Thompson	Clinical Assistant Professor	Geology
Dr. Susie Sandrin	Clinical Associate Professor	Soil and hydrology, engineering
Dr. Kerrie Anne Loyd	Lecturer	Wildlife biology, urban ecology

**5. 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 Provost.**

**PROVOST OFFICE APPROVAL(S)**

**This proposal has been approved by all necessary Provost office levels of review. I recommend implementation of the proposed organizational change.**

**Office of the University Provost**

**Signature** \_\_\_\_\_ **Date:** / /20

*Note: An electronic signature, email, or a PDF of the signed signature page is acceptable.*

**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:** Environmental Science

2. **Marketing Description**

*Optional. 50 words maximum. The marketing description should not repeat content found in the program description.*

N/A

3. **Program Description (150 words maximum)**

The environmental science minor provides students with a fundamental understanding of how the natural world functions as a system, how changes in this system influence organisms and humans, and in turn, how this system is impacted by humans. Students who complete this minor have the foundational knowledge to apply environmental concepts and awareness to their future careers. Many career fields have environmental applications including business and entrepreneurship, the health industry, economics, and academic research careers.

An understanding of human-environment interactions gained through this minor will augment students' major field of study and empower them to leverage their future careers to address environmental issues. To accommodate broad interests for students from a variety of majors, the curriculum is designed to allow students to explore their interests by choosing from categories of scientific coursework and skill-based curricula to provide applied experiences for students from a variety of majors.

4. **Contact and Support Information**

Building code and room number: ([Search ASU map](#))

FAB N100

Program office telephone number: (*i.e.* 480/965-2100)

602/543-3000

Program Email Address:

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

Program Website Address:

<https://newcollege.asu.edu/environmental-science-minor>

5. **Program Requirements**

Remember to attach a copy of the “proposed” map for this minor program. Instructions on how to create a “proposed minor map” in [BAMM](#) can be found in the [Build a Major Map Training Guide](#).

Attached.

6. **Enrollment Requirements**

If applicable, list any special enrollment requirements applicable to this minor in addition to the standard text. Enrollment requirements for all minors include the following text.

**GPA Requirement:** 2.00

**Majors Ineligible to Add This Minor:** BS and BA environmental science

**Other Enrollment Requirements:** This first course in this minor (ENV 201) has prerequisites of BIO 181, BIO 182 and CHM 116.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.



**7. Delivery/Campus Information Options:** On Campus Only (ground courses and/or iCourses)

*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 contact Ed Plus then complete the ASU Online Offering form in Curriculum ChangeMaker to begin this request.*

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

- Downtown Phoenix     Polytechnic     Tempe     Thunderbird     West     Other: Lake Havasu

**9. Keywords**

List all keywords used to search for this program (limit 7). Keywords should be specific to the proposed program.  
Environmental science, conservation, ecology, nature, ethics, climate change, global ecosystem



# 2019 - 2020 MINOR Map

## Environmental Science (Proposed)

### Program Requirements

The minor in environmental science consists of 15 credit hours, of which 12 credit hours must be upper-division. A minimum of nine credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

#### **Core Requirement -- 6 credit hours**

ENV 201: Fundamentals of Environmental Science (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 409 / PHI 409: Eco-Community Ethics (HU) or PHI 310: Environmental Ethics (HU) (3)

#### **Upper Division Electives -- 9 credit hours**

Choose a minimum of nine credit hours from the following categories. Students may choose freely from among the categories; it is not necessary to take one from each or all from one category.

Global/Ecosystem Focus:

BIO 422: Ecosystem Ecology (3)

CHM 302: Environmental Chemistry (3)

ENV 410: Soil Science (4)

LSC 434: Marine Ecology (3)

MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

Organismal Focus:

BIO 370: Vertebrate Zoology (4)

BIO 385: Comparative Invertebrate Zoology (4)

BIO 410: Techniques in Conservation Biology and Ecology (L) (3)

BIO 412: Conservation in Practice (3)

BIO 474: Herpetology (4)

PLB Upper Division Elective (3-4)

Skills in Environmental Science:

ENV 345: Spatial Analysis in the Environmental Sciences (3)

ENV 385: Environmental Impact Assessment (3)

ENV 388: Research Fundamentals for the Natural Sciences (L) (3)

ENV 499: Individualized Instruction (1-3)

January 25, 2019

To: Todd Sandrin, Dean and Professor  
New College of Interdisciplinary Arts and Sciences

From: Stephen Wirkus, Interim Director and Professor  
School of Mathematics and Natural Sciences

Subject: Proposal to Establish Minor – Environmental Science

Attached please find the Proposal to Establish the Minor in Environmental Science, prepared by faculty members from the School of Mathematics and Natural Sciences (MNS).

This proposal, approved for planning in December 2015, has been approved by the MNS Curriculum Committee and the New College Undergraduate Curriculum Committee.

MNS has the resources to support the minor without impacting core program resources. We ask that you review and approve this proposal and forward it for further approvals.

## Stacey Kimbell

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**From:** Jeffery Kennedy  
**Sent:** Thursday, January 24, 2019 8:36 PM  
**To:** Stacey Kimbell  
**Cc:** Kimberly Kobjek; Allan Colbern; Patricia Friedrich  
**Subject:** RE: Proposal to Establish - Environmental Science Minor

Stacey:

The committee has no objections or issues with this Environmental Science Minor submission and, in fact, supports it enthusiastically.

Jeff

Dr. Jeffery Kennedy  
Assistant Professor of Interdisciplinary Arts and Performance  
School of Humanities, Arts and Cultural Studies  
New College of Interdisciplinary Arts and Performance  
Arizona State University  
602-543-6025 (office)  
602-543-3006 (fax)  
[jtkennedy@asu.edu](mailto:jtkennedy@asu.edu)  
[www.provincetownplayhouse.com](http://www.provincetownplayhouse.com)  
<https://isearch.asu.edu/profile/306375>

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**From:** Stacey Kimbell <kimbell@asu.edu>  
**Sent:** Thursday, January 24, 2019 4:44 PM  
**To:** Jeffery Kennedy <jtkennedy@asu.edu>  
**Cc:** Patricia Friedrich <Patricia.Friedrich@asu.edu>  
**Subject:** FW: Proposal to Establish - Environmental Science Minor

Hi Jeff,

Just following up on this proposal. If it was ok, would it be possible to get an brief email of support from the committee (from you as Chair) that can be attached to the proposal?

Many thanks,  
Stacey

### Stacey Kimbell

Executive Admin Support Specialist and Curriculum Coordinator  
Academic Administration and Curriculum Planning  
ASU New College of Interdisciplinary Arts and Sciences  
Voice: (602) 543-6150 Fax: (602) 543-4565

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**From:** [Caroline Harrison](#)  
**To:** [Stacey Kimbell](#)  
**Cc:** [Katie Jensen Ord](#)  
**Subject:** RE: CAPC Meeting - April 25, 2019  
**Date:** Thursday, April 11, 2019 11:55:16 AM

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The School of Sustainability is happy to give our support to this program. At some future point we may want to discuss whether any of these courses might be appropriate as electives in our minor and vice versa.

Thanks.

**Caroline J. Harrison, PhD**  
Curricular and Academic Programs  
Senior Sustainability Scholar



P.O. Box 875502 | Tempe, Arizona | 85287-5502  
PH: 480-965-8645 | Main: 480-965-2975  
[SchoolOfSustainability.asu.edu](http://SchoolOfSustainability.asu.edu)

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**From:** Stacey Kimbell <kimbell@asu.edu>  
**Sent:** Thursday, April 11, 2019 11:26 AM  
**To:** Caroline Harrison <Caroline.Harrison@asu.edu>  
**Cc:** Katie Jensen Ord <Katherine.Jensen@asu.edu>  
**Subject:** FW: CAPC Meeting - April 25, 2019

Good morning Caroline,

Thank you so much for bringing this oversight to our attention. Attached is a copy of our proposal to establish the minor in environmental science. Please let me know if you have any questions.

Sincerely,  
Stacey

**Stacey Kimbell**  
Curriculum Coordinator and Executive Admin Support Specialist  
Academic Administration and Curriculum Planning  
ASU New College of Interdisciplinary Arts and Sciences  
Voice: (602) 543-6150 Fax: (602) 543-4565

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## FW: Impact statements request for ENV minor proposal

Patricia Friedrich

Tue 3/5/2019 7:45 PM

To: Stacey Kimbell <kimbell@asu.edu>

FYI

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**From:** Nancy Gonzales <nancy.gonzales@asu.edu>

**Date:** Tuesday, March 5, 2019 at 6:47 PM

**To:** Patricia Friedrich <Patricia.Friedrich@asu.edu>

**Subject:** Re: Impact statements request for ENV minor proposal

Dear Dr. Friedrich, We are fine with this.

Nancy

Nancy A. Gonzales

Dean of Natural Sciences

Foundation Professor of Psychology

### College of Liberal Arts and Sciences

Foundation Building, Suite 110

Arizona State University | P.O. Box 876605 | Tempe, AZ 85287-6605

480-965-0247 | FAX: 480.965.2110 | email: [nancy.gonzales@asu.edu](mailto:nancy.gonzales@asu.edu)

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**From:** Patricia Friedrich

**Sent:** Thursday, February 21, 2019 8:46 PM

**To:** Nancy Gonzales

**Subject:** Impact statements request for ENV minor proposal

Dear Dean Gonzales:

I hope you are well. Might I ask you for an impact statement for our proposed Minor in Environmental Science attached?

Thank you,

Patty

Patricia Friedrich, PhD

Associate Dean of Academic Programs and Faculty Affairs,  
New College of Interdisciplinary Arts and Sciences

## Stacey Kimbell

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**From:** Patricia Friedrich  
**Sent:** Monday, February 25, 2019 10:23 AM  
**To:** Stacey Kimbell  
**Subject:** FW: Impact statement request for ENV minor proposal

FYI

Patricia Friedrich, PhD  
Associate Dean of Academic Programs and Faculty Affairs,  
New College of Interdisciplinary Arts and Sciences  
Professor of Linguistics/Rhetoric and Composition,  
School of Humanities, Arts, and Cultural Studies  
Arizona State University P. O. Box 37100  
4701 W. Thunderbird Rd. Mail Code 3051  
Phoenix, AZ, USA 85069-7100  
voice 602 543-6046

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**From:** Duane Roen <Duane.Roen@asu.edu>  
**Date:** Sunday, February 24, 2019 at 8:50 AM  
**To:** Patricia Friedrich <Patricia.Friedrich@asu.edu>  
**Subject:** RE: Impact statement request for ENV minor proposal

Patty,

CISA is delighted to support New College's proposal for a minor in Environmental Science.

Best,  
Duane

Duane Roen  
Vice Provost, Polytechnic campus  
Dean, College of Integrative Sciences and Arts  
Dean, University College  
**Arizona State University**  
Mail Code: 2780  
7271 E Sonoran Arroyo Mall  
Mesa, AZ 85212-6415  
P: 480-727-6513

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**From:** Patricia Friedrich <Patricia.Friedrich@asu.edu>  
**Sent:** Thursday, February 21, 2019 8:44 PM  
**To:** Duane Roen <Duane.Roen@asu.edu>  
**Subject:** Impact statement request for ENV minor proposal

Dear Duane:

Might I ask you for an impact statement for his minor in Environmental Science? Thank you!

Patty

Patricia Friedrich, PhD  
Associate Dean of Academic Programs and Faculty Affairs,  
New College of Interdisciplinary Arts and Sciences  
Professor of Linguistics/Rhetoric and Composition,  
School of Humanities, Arts, and Cultural Studies  
Arizona State University P. O. Box 37100  
4701 W. Thunderbird Rd. Mail Code 3051  
Phoenix, AZ, USA 85069-7100  
voice 602 543-6046



## Stacey Kimbell

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**From:** Patricia Friedrich  
**Sent:** Monday, February 25, 2019 1:32 PM  
**To:** Stacey Kimbell  
**Subject:** FW: Request for Impact Statements Environmental Science minor proposal

FYI

Patricia Friedrich, PhD  
Associate Dean of Academic Programs and Faculty Affairs,  
New College of Interdisciplinary Arts and Sciences  
Professor of Linguistics/Rhetoric and Composition,  
School of Humanities, Arts, and Cultural Studies  
Arizona State University P. O. Box 37100  
4701 W. Thunderbird Rd. Mail Code 3051  
Phoenix, AZ, USA 85069-7100  
voice 602 543-6046

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**From:** Kyle Squires <squires@asu.edu>  
**Date:** Monday, February 25, 2019 at 1:29 PM  
**To:** Todd Sandrin <Todd.Sandrin@asu.edu>  
**Cc:** Patricia Friedrich <Patricia.Friedrich@asu.edu>  
**Subject:** RE: Request for Impact Statements Environmental Science minor proposal

Hi Todd,

Thanks for the contact about the minor. The minor appears well conceived and could provide a valuable option for students. FSE is happy to support.

-- Kyle

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**From:** Todd Sandrin <Todd.Sandrin@asu.edu>  
**Sent:** Friday, February 22, 2019 11:19 AM  
**To:** Carole Basile <Carole.Basile@asu.edu>; Kyle Squires <squires@asu.edu>  
**Cc:** Patricia Friedrich <Patricia.Friedrich@asu.edu>  
**Subject:** Request for Impact Statements Environmental Science minor proposal

Carole and Kyle,

I hope this email finds both of you enjoying pleasant, productive, and not-too-chilly spring semester!

I'm writing to request an impact statement for our Environmental Science minor. We've offered a vigorously growing major in Environmental Science for several years, and we believe there will be interest in the accompanying minor we're proposing (see attachment for more details).

Of course, don't hesitate to let me know if you'd like to discuss further.

Have a great weekend!

Todd

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**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



## Stacey Kimbell

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**From:** Patricia Friedrich  
**Sent:** Friday, February 22, 2019 12:33 PM  
**To:** Stacey Kimbell  
**Subject:** FW: Request for Impact Statements Environmental Science minor proposal

FYI

Patricia Friedrich, PhD  
Associate Dean of Academic Programs and Faculty Affairs,  
New College of Interdisciplinary Arts and Sciences  
Professor of Linguistics/Rhetoric and Composition,  
School of Humanities, Arts, and Cultural Studies  
Arizona State University P. O. Box 37100  
4701 W. Thunderbird Rd. Mail Code 3051  
Phoenix, AZ, USA 85069-7100  
voice 602 543-6046

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**From:** Carole Basile <Carole.Basile@asu.edu>  
**Date:** Friday, February 22, 2019 at 12:32 PM  
**To:** Todd Sandrin <Todd.Sandrin@asu.edu>  
**Cc:** Patricia Friedrich <Patricia.Friedrich@asu.edu>  
**Subject:** Re: Request for Impact Statements Environmental Science minor proposal

Todd, MLFTC is in full support. cb

**Carole G. Basile**  
**Dean**  
**Arizona State University**  
**Mary Lou Fulton Teachers College**  
[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 Feb 22, 2019, at 11:19 AM, Todd Sandrin <[Todd.Sandrin@asu.edu](mailto:Todd.Sandrin@asu.edu)> wrote:

Carole and Kyle,

I hope this email finds both of you enjoying pleasant, productive, and not-too-chilly spring semester!

I'm writing to request an impact statement for our Environmental Science minor. We've offered a vigorously growing major in Environmental Science for several years, and we believe there will be interest in the accompanying minor we're proposing (see attachment for more details).

Of course, don't hesitate to let me know if you'd like to discuss further.

Have a great weekend!

Todd

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**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

<image001.jpg>

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<ENV minor proposal 19 February 2019.pdf>