The completed and signed proposal should be submitted by the Dean’s Office to: curriculumplanning@asu.edu. Before academic units can advertise undergraduate minors or include them in their offerings as described in the university catalogs, they must be recommended for approval by the Senate Curriculum and Academic Programs Committee and approved by the Office of the University Provost.

Definition and minimum requirements:
These are the minimum requirements for approval. Individual undergraduate minors may have additional requirements.

A minor is an approved, coherent focus of academic study in a single discipline, other than the student’s major, involving substantially fewer hours of credit than a corresponding major. Certain major and minor combinations may be deemed inappropriate by either the college or department of the major or minor. Inappropriate combinations include (but would not be limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student’s major.

A minor:
- Requires a minimum of 15 credit hours of which at least nine credit hours must be upper division
- Is not intended for students pursuing a major in the department which offers the minor

College/School/Institute: New College of Interdisciplinary Arts and Sciences
Department/Division/School: School of Mathematical & Natural Sciences
Proposing Faculty Group (if applicable): Environmental Science
Requested effective date: 2019-20

Delivery method and campus or location options: select all locations that apply
☐ Downtown
☐ Phoenix
☐ Polytechnic
☐ Tempe
☐ Thunderbird
☒ West
☒ Other: Lake Havasu

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

Proposal Contact
Name: Becky Ball
Title: Associate Professor
Phone number: 602-543-2010
Email: Becky.ball@asu.edu

DEAN APPROVAL(S)
This proposal has been approved by all necessary unit and College/School levels of review. I recommend implementation of the proposed organizational change.

College/School/Division Dean name: Todd Sandrin, Vice Provost and Dean, New College of Interdisciplinary Arts & Sciences
Signature: [Signature]
Date: 12/2017

College/School/Division Dean name: (if more than one college involved)
Signature: [Signature]
Date: 1/20

Note: An electronic signature, an email from the dean or dean’s designee, or a PDF of the signed signature page is acceptable.
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?

<table>
<thead>
<tr>
<th></th>
<th>1st Year (Yr. 1 continuing + new entering)</th>
<th>2nd Year (Yr. 1 &amp; 2 continuing + new entering)</th>
<th>3rd Year (Yr. 1 &amp; 2 continuing + new entering)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Students (Headcount)</td>
<td>10</td>
<td>30</td>
<td>50</td>
</tr>
</tbody>
</table>
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](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.

### Required Minor Courses

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Number</th>
<th>Title</th>
<th>Is this a new course?</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV</td>
<td>201</td>
<td>Fundamentals of Environmental Science</td>
<td>No</td>
<td>3</td>
</tr>
<tr>
<td>IAS/PHI</td>
<td>407</td>
<td>Environmental Philosophy and Policy OR</td>
<td>No</td>
<td>3</td>
</tr>
<tr>
<td>IAS/PHI</td>
<td>409</td>
<td>Eco-Community Ethics OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI</td>
<td>310</td>
<td>Environmental Ethics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Section sub-total: 6*

### Elective Minor Courses

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Number</th>
<th>Title</th>
<th>Is this a new course?</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO</td>
<td>422</td>
<td>Ecosystem Ecology</td>
<td>No</td>
<td>3</td>
</tr>
<tr>
<td>CHM</td>
<td>302</td>
<td>Environmental Chemistry</td>
<td>No</td>
<td>3</td>
</tr>
<tr>
<td>ENV</td>
<td>410</td>
<td>Soil Science</td>
<td>No</td>
<td>4</td>
</tr>
<tr>
<td>LSC</td>
<td>434</td>
<td>Marine Ecology</td>
<td>No</td>
<td>3</td>
</tr>
<tr>
<td>MIC</td>
<td>443</td>
<td>The Microbial Universe AND</td>
<td>No</td>
<td>4</td>
</tr>
<tr>
<td>MIC</td>
<td>444</td>
<td>The Microbial Universe Laboratory</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Global/Ecosystem Focus

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Number</th>
<th>Title</th>
<th>Is this a new course?</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO</td>
<td>370</td>
<td>Vertebrate Zoology</td>
<td>No</td>
<td>4</td>
</tr>
<tr>
<td>BIO</td>
<td>385</td>
<td>Comparative Invertebrate Zoology</td>
<td>No</td>
<td>4</td>
</tr>
<tr>
<td>BIO</td>
<td>410</td>
<td>Techniques in Conservation Biology and Ecology</td>
<td>No</td>
<td>3</td>
</tr>
<tr>
<td>BIO</td>
<td>412</td>
<td>Conservation in Practice</td>
<td>No</td>
<td>3</td>
</tr>
<tr>
<td>BIO</td>
<td>474</td>
<td>Herpetology</td>
<td>No</td>
<td>4</td>
</tr>
<tr>
<td>PLB</td>
<td>Any</td>
<td>Any Upper Division PLB course</td>
<td>No</td>
<td>3-4</td>
</tr>
</tbody>
</table>

*Organismal Focus*
<table>
<thead>
<tr>
<th>Skills in Environmental Science</th>
<th>Section sub-total</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 345 Spatial Analysis in the Environmental Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ENV 385 Environmental Impact Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 388 Research Fundamentals for the Natural Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ENV 499 Individualized Instruction</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Other Minor Requirements

<table>
<thead>
<tr>
<th>E.g. – Capstone experience, internship, clinical requirements, field studies, foreign language skills as applicable</th>
<th>Credit Hours</th>
</tr>
</thead>
</table>

Section sub-total: 9

Total minimum credit hours required for the minor: 15

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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Area(s) of Specialization as they relate to proposed certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Becky Ball</td>
<td>Associate Professor</td>
<td>Terrestrial ecology, soil science, biogeochemistry</td>
</tr>
<tr>
<td>Dr. Beth Polidoro</td>
<td>Associate Professor</td>
<td>Environmental chemistry, marine biodiversity</td>
</tr>
<tr>
<td>Dr. Cara Thompson</td>
<td>Clinical Assistant Professor</td>
<td>Geology</td>
</tr>
<tr>
<td>Dr. Susie Sandrin</td>
<td>Clinical Associate Professor</td>
<td>Soil and hydrology, engineering</td>
</tr>
<tr>
<td>Dr. Kerrie Anne Loyd</td>
<td>Lecturer</td>
<td>Wildlife biology, urban ecology</td>
</tr>
</tbody>
</table>

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.
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
   - 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
   - [X] West
   - [X] 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
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

From: Jeffery Kennedy
Sent: Thursday, January 24, 2019 8:36 PM
To: Stacey Kimbell
Cc: Kimberly Koboje; 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
www.provincetownplayhouse.com
https://isearch.asu.edu/profile/306375

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

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

---

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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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 I P.O. Box 876605 I Tempe, AZ 85287-6605

480-965-0247 I FAX: 480.965.2110 I email: nancy.gonzales@asu.edu

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

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

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

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

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

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

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

Arizona State University

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Stacey Kimbell

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

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 | M: 480.310.6887

On Feb 22, 2019, at 11:19 AM, Todd Sandrin <Todd.Sandrin@asu.edu> wrote:

Carole and Kyle,

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Have a great weekend!

Todd

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Todd R. Sandrin, Ph.D.
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<ENV minor proposal 19 February 2019.pdf>