

(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 or degree programs may be impacted by the proposed request
 - if the program will have an online campus 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 or their designee (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 degree 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. To be included in the handbook are the unit/college satisfactory academic progress policies, current degree program requirements (outlined in the approved proposal) and a link to the Graduate Policies and Procedures website: http://graduate.asu.edu/faculty_staff/policies.

This template is to be used only by programs that have received specific written approval from the University Provost's Office to proceed with internal proposal development and review. A separate proposal must be submitted for each individual new degree program.

DEGREE PROGRAM

College/School: School of Sustainability

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: School of Sustainability, Dean's Office

Proposing faculty group (if applicable):

Name of proposed degree program: Master of Science (MS) in Global Sustainability Science

Proposed title of major: Global Sustainability Science

Master's degree type: MS - Master of Science

If Degree Type is "Other", provide degree type and proposed abbreviation: N/A

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: Spring 2018
(The first semester and year for which students may begin applying to the program)

PROPOSAL CONTACT

Name: Caroline J. Harrison **Title:** Curriculum Developer
Phone number: 5-8645 **Email:** caroline.harrison@asu.edu

DEAN APPROVAL(S)

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

College/School/Division Dean name: Christopher G. Boone
Signature:  **Date:** 2/10/17

College/School/Division Dean name:
(if more than one college involved)
Signature: **Date:**

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.

1. PURPOSE AND NATURE OF PROGRAM

A. Provide a brief program description

B. The MS in Global Sustainability Science program is a two-year program in global sustainability developed by ASU in collaboration with Leuphana University of Lüneburg (LUL), Germany. The program provides an academically balanced education in sustainability, with experiential and project-based learning opportunities and an international perspective. The focus is on key competencies in sustainability, including systems -, futures -, values -, and strategic- thinking, and interpersonal teamwork and stakeholder engagement. The program enables students to become sustainability change agents utilizing scientific evidence for sustainability problem-solving. The first semester takes place at the students' home university, with collaboration through virtual classes and team assignments. The second semester is at LUL. Students take advanced courses in sustainability, develop research projects, and deepen their studies through electives. The third semester is at ASU. Students pursue advanced courses in sustainability. The fourth semester is at the students' home university, where they will complete a scientific paper.

C. Will concentrations be established under this degree program? Yes No

(Please provide additional concentration information in the curricular structure section – number 7.)

2. PROGRAM NEED

Explain why the university should offer this program (include data and discussion of the target audience and market). Arizona State University (ASU), the School of Sustainability, and Leuphana University of Lüneburg believe that the expansion and strengthening of scientific and humanistic exchange on an international scale is of mutual value to both parties and society at large. Recent educational and professional literature and surveys indicate the importance and competitive advantage of students being educated on international issues ranging from transboundary challenges to intercultural teamwork. ASU and LUL have therefore entered into an agreement of cooperation for students who will be participating in the MS in Global Sustainability Science program at Arizona State University. .

Sustainability science can roughly be differentiated into two distinct research streams – a “descriptive-analytical” and a “transformational” one. While the former is primarily concerned with describing and analyzing sustainability problems, the latter aims at developing evidence-supported solution options to solve these problems. Students interested in this program will focus on creating sustainability solution visions to guide the problem solving process and will build and implement sustainability solution strategies to solve or mitigate sustainability problems. The emphasis is on practical, implementable research around a specific sustainability problem. Target student populations for this degree will have completed disciplinary and interdisciplinary programs from around the world and show a strong interest in pursuing education on evidence-supported sustainability transformations and solutions as described above. Graduates of this program can expect employment in a number of fields that focus on global sustainability problems and solutions.

A version of the program is currently being offered through the School of Sustainability's existing Master of Science in Sustainability; however, the admissions process, learning outcomes, and curriculum are sufficiently different as to warrant treating this as a separate program. This will allow students to apply directly to the partnership program and accurately track their progress in the iPOS system. The curriculum of this program differs from the existing MS in its specific focus on global issues with the inclusion of the semester in Germany and the courses taken with students at the partner university, its inclusion of advanced sustainability problem solving courses and structures, and its final culminating experience in producing a publishable paper based on a specific global issue.

The MS in Global Sustainability Science is a consecutive program and can be completed in two years. The program aims at students that want to engage in a wider, global nexus on sustainability. By focusing on the normative and transformational aspects of sustainability, this MS program links state-of-the-art sustainability research with practical implementation. Rooted in a wide array of disciplines and aiming at a joined focus of transformation and solutions, students are educated to conduct sustainability research and implementation in all relevant aspects. This allows

graduates to find employment in a variety of professional areas ranging from working in internationally operating institutions and organizations in the field of sustainability to research and academic careers.

Typical topics of study that students may pursue include developing, analyzing, testing, and evaluating sustainability interventions, transitions, and transformations, across various sectors and scales, in collaboration with various organizations. In addition, students' education will focus on inter-cultural aspects both of sustainability and collaboration, thereby opening new job opportunities for alumni of this study program. Since these skills are increasingly recognized in both research and applied fields, we aim to educate the next generation of sustainability professionals and scientists.

3. IMPACT ON OTHER PROGRAMS

Attach any letters of collaboration or support from impacted programs (see checklist coversheet). Please submit as a separate document.

N/A

4. PROJECTED ENROLLMENT

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

Note: The Arizona Board of Regents (ABOR) requires that nine master's degrees be awarded every three years. Thus, the projected enrollment numbers must account for this ABOR requirement.

5-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>	4th Year <small>(Yrs. 1, 2, 3 continuing + new entering)</small>	5th Year <small>(Yrs. 1, 2, 3, 4 continuing + new entering)</small>
Number of Students Majoring (Headcount)	10	20	20	20	20

5. ACCREDITATION OR LICENSING REQUIREMENTS (if applicable)

Provide the names of the external agencies for accreditation, professional licensing, etc. that guide your curriculum for this program, if any. Describe any requirements for accreditation or licensing.

None

6. STUDENT LEARNING OUTCOMES AND ASSESMENT

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.)

1. Graduates will be able to analyze sustainability problems cutting across different domains and scales as well as devising solution strategies, with a focus on international contexts.
2. Graduates will be able to anticipate, with a focus on international contexts, how sustainability problems might evolve or occur over time, considering inertia, path dependencies, triggering events, and surprises; as well as creating and crafting sustainable and plausible future visions, using available evidence.
3. Graduates will be able to design, evaluate, and implement systemic interventions, transformational actions, and transition strategies toward sustainability that leverage assets and stakeholder with a focus on international contexts.
4. Graduates will be able to communicate about sustainability issues in effective and compassionate ways, collaborate in international teams, conduct impactful stakeholder engagement, accounting for international contexts.
5. Graduates will be able to meaningfully combine and apply systems thinking, values thinking, futures thinking, strategic thinking, and interpersonal/collaborative competence for solving sustainability problems of complex social-ecological-technical systems in international contexts.
6. Graduates will produce a portfolio of research accomplishments that position them to be competitive for appropriate level of employment opportunities in academia, industry, and government.

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.)

Outcome 1

Performance criterion:

90% or more of students will average a grade of B or better on research products (inventories and solution profiles) in SOS 558 Global Sustainability Research Project.

Outcome 2

Performance criterion:

90% or more of students will average a grade of B or better on Building a Sustainability Solution Strategy in SOS 511 Advanced Sustainability Problem Solving.

Outcome 3

Performance criterion: Research Proposal

100% of graduates will be a co-author on a proposal that fulfills scholarly quality criteria.

Outcome 4

100% of graduates will be a co-author on a manuscript submitted for publication in a scholarly journal before their graduation that communicates the acquisition of systems thinking, values thinking, futures thinking, strategic thinking, and interpersonal/collaborative competence for solving sustainability problems.

Outcome 5

Performance criterion:

90% of students will receive a grade of B or better on the Final Project report in SOS 525 Social-Ecological-Technical Systems (SETS) Domains and Interfaces.

Outcome 6

- *Performance criterion 1:*
85% or more of graduates will have successful placement in positions and careers that are in their field of study within one year of graduation.
- *Performance criterion 2:* School of Sustainability Annual Alumni Survey
85% or more of alumni survey respondents will report that they are currently employed in a field that is related or closely related to their degree program.

7. Curricular Structure

A. Curriculum Listing

Required Core Courses for the Degree			
Prefix and Number	Course Title	New Course?	Credit Hours
SOS 510	Perspectives on Sustainability	No	3
SOS 511	Advanced Sustainability Problem Solving	No	3
SOS 525	Social-Ecological-Technical Systems (SETS): Domains and Interfaces	No	3

SOS 557	Global Sustainability Research Preparation	Yes	1
SOS 520	Research Design and Methods for Sustainability	No	3
SOS 581	Synthesis for Sustainability Research	No	3
SOS 558	Global Sustainability Research Project	Yes	3
SOS 559	GSS Perspectives Seminar	Yes	1
Section sub-total:			20
Elective or Research Courses <i>(as deemed necessary by supervisory committee)</i>			
Prefix and Number	Course Title	New Course?	Credit Hours
	Open electives with approval of the academic unit.	No	15
Section sub-total:			15
Culminating Experience(s) <i>E.g. – Capstone course, portfolio, written comprehensive exam, applied project, thesis (must be 6 credit hours with oral defense)</i>			Credit Hours
SOS 596 Capstone: Scientific Paper			6
Section sub-total:			6
Total required credit hours			41

- List all required core courses and total credit hours for the core (required courses other than internships, thesis, dissertation, capstone course, etc.).
- Omnibus numbered courses cannot be used as core courses.
- Permanent numbers must be requested by submitting a course proposal to Curriculum ChangeMaker for approval. Courses that are new, but do not yet have a new number can be designated with the prefix, level of the course and X's (e.g. ENG 5XX or ENG 6XX).

B. Will concentrations be established under this degree program? Yes No

8. COURSES

A. Course Prefix(es): Provide the following information for the proposed graduate program.

- Will a new course prefix(es) be required for this degree program?
Yes No
- If yes, complete the [Course Prefixes / Subjects Form](#) for each new prefix and submit it as part of this proposal submission.

B. New Courses Required for Proposed Degree Program: Provide course prefix, number, title, credit hours and description for any new courses required for this degree program.

SOS 557 Global Sustainability Research Preparation (1) -- students work virtually with their German counterparts to begin defining the project that will be the basis of their joint studies. This course will use a flipped classroom approach. This course is only open to students accepted in the program.

SOS 558 Global Sustainability Research Project (3) -- students, their German counterparts, and other interested students will work to understand and begin applying appropriate methods and analysis of their project.

SOS 559 GSS Perspectives Seminar (1) -- students work with their German counterparts at ASU to further their project. This course is only open to students accepted in the program.

9. FACULTY, STAFF, AND RESOURCE REQUIREMENTS

A. Faculty

i. **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
Arnim Wiek	Associate Professor	PhD	Sustainability Science, Transition Research, Intervention Research, Decision Making, Policy and Governance, Emerging Technologies	Program Director
Joshua Abbot	Associate Professor	PhD	Ecosystem Services, Environmental Economics, Land Use and Land Cover, Bioeconomics, Econometrics	Faculty
Sonja Klinsky	Assistant Professor	PhD	Climate Change Policy, Environment Policy, Justice Augmentation, Sustainability Discourse	Faculty
David Manuel-Navarrete	Assistant Professor	PhD	Just Societies, Urban Development, Natural Resource Management, Modeling and Simulation, Water Resource Management, Socioecology	Faculty
Michael Schoon	Assistant Professor	PhD	Cross-border Cooperation, Decision Making, Complex Adaptive Systems, International Relations	Faculty

ii. **New Faculty** - Describe the new faculty hiring needed during the next three years to sustain the program. List the anticipated hiring schedule and financial sources for supporting the addition of these faculty members.

None

iii. **Administration of the program** - Explain how the program will be administered for the purposes of admissions, advising, course offerings, etc. Discuss the available staff support.

Admissions are administered by a joint faculty committee consisting of the Program Director, Arnim Wiek, faculty from ASU, and faculty from LUL. This joint faculty committee reviews incoming applications and makes recommendations to the School of Sustainability Graduate Committee. The Graduate Admissions Advisor manages communications with the faculty and prospective students from both ASU and LUL. The Graduate Admissions Advisor is also responsible for the application processing for this as well as the other Sustainability graduate programs.

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.

None

**APPENDIX I
OPERATIONAL INFORMATION FOR GRADUATE PROGRAMS**

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

1. **Proposed title of major:** Global Sustainability Science
2. **Provide a brief program description** (catalog type (i.e. will appear in Degree Search) – no more than 150 words):

The Master of Science in Global Sustainability Science has been developed by Arizona State University in collaboration with Leuphana University of Lüneburg, Germany. The program provides an academically well balanced education in sustainability, with experiential and project-based learning opportunities and an explicit international perspective. The focus is on conveying key competencies in sustainability, including systems thinking, futures thinking, values thinking, strategic thinking, and interpersonal competence in teamwork and stakeholder engagement. Through the acquisition of these competencies, the program enables students to become sustainability change agents utilizing scientific evidence for sustainability problem-solving efforts. Students accepted in the program will work with an international team virtually as well as spending one semester abroad.

3. **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 back and forth between the on-campus and the ASU Online options. Approval from the Office of the University Provost and Philip Regier (Executive Vice Provost and Dean) is required to offer programs through ASU Online. Please complete the ASU Online Offering form in [Curriculum ChangeMaker](#) to begin this request.*

4. **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 of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (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. GRE scores
4. three letters of recommendation
5. letter of intent/written statement
6. professional resume

- 7. proof of English proficiency

Additional Application Information

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

Applicants not meeting the minimum GPA requirement may still be considered, although the School of Sustainability will require a GPA petition

References should be from educators (preferred) or professionals familiar with the applicant's experience and capability for graduate work. It is highly recommended that the recommendations are academic in nature and address the applicant's experience and potential for success in a graduate program; however, we will also accept professional recommendations. If possible, at least one recommendation should be academic in nature.

All applicants must upload a statement of intent when completing the online application. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the School of Sustainability. Applicants should describe how their background will contribute to their success in the program and how completion of their degree will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors

GRE is required but may be waived for students already enrolled at Leuphana University of Luneburg.

5. 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 type="checkbox"/> Fall (regular) <input type="checkbox"/> Session B	(year): (year):	July 1st October 1st
<input checked="" type="checkbox"/> Spring (regular) <input type="checkbox"/> Session B	(year): 2018 (year):	December 1st February 8th
<input type="checkbox"/> Summer (regular) <input type="checkbox"/> Summer B	(year): (year):	May 14th May 14th

Note: Session B is only available for approved online programs.

Program admission deadlines website address: <https://schoolofsustainability.asu.edu/degrees/graduate/>

6. Curricular Requirements:

Curricular Structure Breakdown for the Academic Catalog:

(To be completed by Graduate College)

41 credit hours including the required capstone course (SOS 596)

Required Core (20 credit hours)

- SOS 510 Perspectives on Sustainability (3)
- SOS 511 Advanced Sustainability Problem Solving (3)
- SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)
- SOS 557 Global Sustainability Research Preparation (1)
- SOS 520 Research Design and Methods for Sustainability (3)

SOS 581 Synthesis for Sustainability Research (3)
 SOS 558 Global Sustainability Research Project (3)
 SOS 559 GSS Perspectives Seminar (1)

Electives or Research (15 credit hours)

Culminating Experience (6 credit hours)
 SOS 596 Capstone: Scientific Paper (6)

7. Comprehensive Exams:

Master's Comprehensive Exam (when applicable), please select from the appropriate option.

N/A

8. Allow 400-level courses: **Yes** **No**

Note: No more than 6 credit hours of 400-level coursework may be included on a graduate student plan of study.

9. Committee:

Required number of thesis committee members (must be at least 3 including chair or co-chairs): N/A

Required number of non-thesis option committee members (must be a minimum of one): 3

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

Sustainability, Global Sustainability, International

11. 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 | |

12. Contact and Support Information:

Office Location (Building Code & Room):	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/graduate
Program Director (Name):	Arnim Wiek
Program Director (ASURITE):	awiek
Program Support Staff (Name):	Katerina Ulmer
Program Support Staff (ASURITE):	kkinast
Admissions Contact (Name):	Ivy Gerbis
Admissions Contact (ASURITE):	bohnlein

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

NAME	ASURITE	ADMSN	POS
Lisa Murphy	leesed	X	X
Katerina Ulmer	kkinast	X	X
Ivy Gerbis	bohnlein	X	X

APPENDIX II

School of Sustainability – Official Submission

From: Caroline Harrison [<mailto:Caroline.Harrison@asu.edu>]
Sent: Monday, February 13, 2017 10:01 AM
To: curriculumplanning@asu.edu
Cc: Amanda Morales-Calderon; Brian Mattson; Kim Naig
Subject: MS GSS Proposal

Attached is our proposal for the establishment of a new Master of Science in Global Sustainability Science. I have also attached the sample plan of study as well as a pdf with Dean Christopher Boone's signature.

This proposal does include 3 new courses. I will be submitting them through Curriculum Changemaker in the next few days.

Please let me know if there are any questions.

Thanks.

Caroline J. Harrison, PhD
Curriculum Developer



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