

The completed and signed proposal should be submitted by the Dean's Office to: curriculumplanning@asu.edu.

Before academic units can advertise undergraduate certificates 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 the University Senate, and be approved by the Executive Vice President and Provost of the University.

Definition and minimum requirements:

These are the minimum requirements for approval. Individual undergraduate certificates may have additional requirements.

An undergraduate certificate is a programmatic or linked series of courses from a single field or one that crosses disciplinary boundaries and may be free-standing or affiliated with a degree program. The certificate provides a structured and focused set of courses that can be used to enhance a student's baccalaureate experience or professional development.

An undergraduate certificate program:

- Requires a minimum of 15 semester hours of which at least 12 semester hours must be upper division
- Requires a minimum grade of "C" or better for all upper division courses
- Consists of courses that must directly relate in whole or large part to the purpose of the certificate. Example: Geographic area
 certificates must include only courses specific to the title of the certificate, other than a non-English language
- Is cross disciplinary; or,

	essional or accredited organization/governmental agency; or, vanced specialization in a field; or,					
	ram that does not currently have a major					
College/School/Institute:	Global Institute of Sustainability					
Department/Division/School: S	School of Sustainability					
Proposed Certificate Name: F	Good System Sustainability					
Requested effective Date:	Fall 2015					
Delivery method:	On-campus only (ground courses and/or iCourses)					
	or On-line option, students will not be able to move back and forth between the on-campus and the he Office of the Provost and Philip Regier (Executive Vice Provost and Dean) is required to offer					
Campus/Locations: Indicate all locations where this progr Downtown Phoenix	ram will be offered. Polytechnic Tempe West Other:					
Proposal Contact						
Name: Candice Carr						
Phone number: 480-965-4460	Email: ccarrkel@asu.edu					
	DEAN APPROVAL(S)					
This proposal has been approved by proposed organizational change.	y all necessary unit and College/School levels of review. I recommend implementation of the					
College/School/Division Dean name	e: Christopher Boone, Dean, School of Sustainability					
College/School/Division Dean name (if more than one college involved)						
Signatu	Date: //					

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

Provide a brief description of the new certificate.

Food systems are particularly important for human societies to sustain, and are also particularly vulnerable to multiple threats related to the interconnected sustainability challenges we face. Many students from a wide variety of disciplines are interested in food systems. There are courses on the topic in various units, and this certificate offers a way to bring them together and specialize in food systems - for students from any major.

В.	This proposed certificate (check one):
	Is cross disciplinary; or
	☐ Is certified by a professional or accredited organization/governmental agency; or,
	☐ Clearly leads to advanced specialization in a field; or,
	☐ Is granted to a program that does not currently have a major.
C.	Why should this be a certificate rather than a concentration or a minor? We aim for students from virtually any major can pursue a specialization in Food System Sustainability

D. Affiliation.

If the certificate program 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.

This Certificate pulls together a diversity of existing courses at ASU on food systems and offers a way for students to focus on this topic in addition to their major. It has been our experience in the School of Sustainability that many students are very interested in food systems and sustainability. However, we do not have a track in this topic. We would rather make an interdisciplinary Certificate to make the most of the available course offerings in other units such as Nutrition and Agribusiness, and to offer the Certificate to a more diverse group of students than is represented by SOS majors alone.

The certificate will provide students with an introduction Food System Sustainability in a structured fashion that is not yet organized anywhere at ASU. Although courses about food, nutrition and agriculture are taught in a wide variety of units, students who desire a system-oriented and sustainability-focused course of study have difficulty identifying the suite of appropriate classes. This certificate will bring together courses on food from the social sciences, humanities, life sciences, and applied sciences, providing the opportunity for students to study food in a from a sustainability perspective.

E. Demand

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

Courses on food systems exist in a number of units on campus, and this Certificate would bring them together into a coherent, easy to access structure for students. It has been our experience that this is a significant interest for a number of students, and a growing concern in a variety of economic and policy sectors in which students are likely to seek employment.

F. Projected enrollment

What are enrollment projections for the first three years?

	1st Year	2 nd Year (Yr. 1 continuing + new entering)	3 rd Year (Yr. 1 & 2 continuing + new entering)	
Number of Students (Headcount)	25	50	75	



2. Support and Impact

A. Faculty governance

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

The establishment of this Certificate has received approval by the interdisciplinary group of faculty listed in this document, as well as by the SOS Faculty. SOS Faculty approved the Certificate at the Oct 9, 2013 Faculty Meeting.

A Faculty committee has been established to govern this certificate, made up of the ASU faculty listed below, from various units:

Christopher Wharton, Nutrition, School of Nutrition and Health Promotion Hallie Eakin, School of Sustainability Joni Adamson, English and Environmental Humanities, School of Letters and Science Mark Manfredo, Morrison School of Agribusiness

B. Other related programs

Identify other <u>related</u> ASU programs and outline how the new certificate 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.)

Because this certificate is interdisciplinary, it complements a wide variety of majors, from Agribusiness to English. We have identified food-related courses in the School of Life Sciences, Department of English, Morrison School of Agribusiness, School of Sustainability, Nutrition and Health Promotion, Engineering, Geography and Urban Planning, School of Transborder Studies, and History. None of these programs offers a comprehensive orientation to sustainable food systems, although each program provides complementary emphases in different aspects of the food system issue (i.e. economics of the food system, culture and social meaning associated with food, sustainability and food, agriculture and agribusiness etc). All of the contacted faculty enthusiastically echoed the need for the certificate and have agreed to support the Committee in making their courses accessible to students pursuing the certificate.

C. Letter(s) of support

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

(See Attached)

Carlos G. Vélez-Ibáñez, Ph.D. Regents' Professor and Director, School of Transborder Studies, College of Liberal Arts and Sciences Carol Johnston, PhD, RD, Professor/Associate Director, Nutrition Program, School of Nutrition and Health Promotion Mark Lussier, Professor & Chair, Department of English, College of Liberal Arts and Sciences Keith W. Kintigh, Associate Director and Professor, School of School of Human Evolution and Social Change (SHESC), College of Liberal Arts and Sciences

Chris Martin, Professor and Head, Science and Mathematics Faculty, School of Letters and Sciences Mark Manfredo, Professor and Director, Associate Dean – W. P. Carey School of Business



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 certificate. Examples of program learning outcomes can be found at (http://www.asu.edu/oue/assessment.html).

- * Ability to identify food system drivers, activities, actors, and outcomes at different spatial scales
- * Capacity to critically assess the primary social, economic, and environmental drivers and outcomes associated with food system sustainability challenges
- * Ability to apply one or more of the following analytical skills or approaches to the development of food system sustainability solutions: cultural and social analysis, alternative agricultural design and practice, analysis of biophysical processes and environmental services, urban planning and policy, marketing and entrepreneurial development, sustainability assessment, consumer preference and behavior.

B. Admissions criteria

List the admissions criteria for the proposed certificate. If they are identical to the admission criteria for the existing major and degree program under which this certificate will be established, please note that here.

3.0 GPA

C. Curricular structure

Provide the curricular structure for this certificate. Be specific in listing required courses and specify the total minimum number of hours required for the certificate.

Required certificate courses

Prefix	Number	Title	Is this a new Course?	Credit Hours
SOS	117	Introduction to Food System Sustainability	Yes	3

Section sub-total:

3



Elective certificate courses.

Students choose at least 4 courses from this list – a minimum of two must be selected from Tier 1, and no more than two from the same prefix across both Tiers 1 and 2. However, electives are not limited to courses from this list only. Other courses on food may come up (special topics, etc.) and students may get them approved as an elective for this certificate by the coordinating committee.

	Prefix	Number	Title	Is this a new Course?	Credit Hours
	ABS	ABS 460 Organic Gardening		No	2
	AGB	456	Food Product Innovation and Development	No	3
10	ASB	300	Food and Culture	No	3
ives	ASB/TCL	463/443	Political Ecology of the Border	No	3
ect	BIO/SOS	429	Human Impacts on Ecosystem Functioning	No	3
ee	ENG	367	Environmental Issues in Literature and Film	No	3
Cor	GPH	314	Global Change	No	3
Ĭ	HON	394	History and Evolution of Human Food	No	3
Tier 1 - Core electives	NTR	353	The Western Diet: Food, History, and Sustainability	No	3
	PLB	302	Plants and Civilization	No	3
	PUP	498	Pro-Seminar: Urban Food Systems	No	3
	SOS	327	Sustainable Food and Farms	No	3
	ABS	368	Plant Propagation	No	3
	ABS	498	Pro-Seminar: Desert Horticulture	No	3
	AGB	420	Food Advertising and Promotion	No	3
	AGB	452	International Agricultural Policy	No	3
	AGB	321	Agribusiness Marketing	No	3
	ASB/TCL	464	The Ethnography of Mexico and the Borderlands	No	3
ves	ASB	410	Poverty, Social Justice and Global Health	No	3
Tier 2 – Electives	ASB/SOC/SOS/SSH	370	Production, People and Environments	No	3
E	BIO	418	Soil Ecology	No	3
7	BIO	311	Biology and Society	No	3
ier	BIO	324	Environmental Ethics	No	3
	BIO	434	People and Nature: Ecosystem Services	No	3
	GLG/SOS)	327/374	Earth's Critical Zone	No	3
	NTR	348	Cultural Aspects of Food	No	3
	NTR	448	Community Nutrition	No	3
	PHI/HST/SOS/BIO	394	History and Philosophy of Sustainability	No	3
	SOS	322	International Development and Sustainability	No	3
	TCL	394	Health Policy in a Transborder Context	No	3

Section sub-total: 121

Other certificate requirements

E.g. - Capstone experience, internship, clinical requirements, field studies, foreign language skills as applicable

Credit Hours

Section sub-total:

0

Total minimum credit hours required for certificate

15

D. Minimum residency requirement

How many hours of the certificate must be ASU credit? 15



E. New Courses

Provide a brief course description for each new course.

Food systems are particularly important for human societies to sustain and are also particularly vulnerable to multiple threats related to the interconnected sustainability challenges we face. SOS 117: Food System Sustainability will introduce students to the concepts and issues involved in food systems sustainability. The course will be divided into four modules, the first three of which will address the other systems with which food systems interact - socio-ecological, socio-cultural and socio-technical systems. The final module will address the future of food systems. This course will teach students about the main issues in food system sustainability, and allow students to enhance their critical thinking skills by applying them to the many sustainability challenges associated food system activities via solutions-based learning, including the social, ecological, economic, and institutional dimensions.

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.

5. Administration and Resources

B. Administration

How will the proposed certificate be administered (including admissions, student advisement, retention, etc.)? The School of Sustainability will administer this certificate.

C. Enrollment projections

What are enrollment projections for the next three years?

	1 st Year	2 nd Year (Yr. 1 continuing + new entering)	3 rd Year (Yr. 1 & 2 continuing + new entering)	
Number of Students (Headcount)	25	50	75	

D. Resources

What are the resource implications for the proposed certificate, 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 certificate please discuss the resource contribution of each participating program. Letters of support must be included from all academic units that will commit resources to this certificate.

No new resources are needed

E. 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.

A Faculty committee has been established to govern this certificate, made up of the ASU faculty listed below, from various units:

Hallie Eakin, School of Sustainability Christopher Wharton, Nutrition, School of Nutrition and Health Promotion Mark Manfredo, Morrison School of Agribusiness Joni Adamson, English and Environmental Humanities

7. Additional Materials

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

APPENDIX

OPERATIONAL INFORMATION FOR UNDERGRADUATE CERTIFICATES

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

Please consider the student audience in creating your text.)

Proposed Certificate Name: Food System Sustainability

Description (150 words maximum)

Food systems are particularly important for human societies to sustain, however, these systems are particularly vulnerable to multiple threats related to interconnected sustainability challenges. Many students from a wide variety of disciplines are interested in food systems, especially as food and sustainability become increasingly relevant issues to employers in fields across the public and private sectors. This certificate allows ASU students to take advantage of the diversity of courses offered that address challenges to food system sustainability. The certificate encourages students to cover a breadth of topics and perspectives related to food system issues while providing the opportunity to focus on particular skills and approaches suitable for their career paths. Career paths can range from agriculture to marketing and retail, to policy or ethics. This certificate offers an innovative and exciting approach to the challenges of food system sustainability. Due to the interdisciplinary nature of the certificate, many courses may be found across all four ASU campuses allowing students to choose both the focus area and location of study that best fits their needs.

B. Contact and Support Information

Building Name, code and room number: (Search ASU

WGHL 108

480/727-6963

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

Program Email Address:

schoolofsustainability@asu.edu

Program Website Address:

http://schoolofsustainability.asu.edu/undergraduate/undergraduate-

degree-programs.php

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

There are no prerequisites for the required course, however please plan your certificate course of study carefully as some of the electives have prerequisites.

Required course:

SOS 117 Introduction to Food System Sustainability (3)

Elective certificate courses (12):

Students must choose four electives. A minimum of two courses must be selected from Tier 1 core electives and no more than two courses from the same prefix across both Tiers 1 and 2 should be selected. However, electives are not limited to courses from this list only (see the School of Sustainability website for the most up to date list). Other courses on food may be offered (special topics, etc.) and students may request that these courses are approved as an elective for this certificate by the coordinating committee.

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Tier 1 – Core electives (choose two):
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ABS 460 Organic Gardening (3)

AGB 456 Food Product Innovation and Development (3)

ASB 300 Food and Culture (3)

ASB/TCL 463/443 Political Ecology of the Border

BIO/SOS 429 Human Impacts on Ecosystem Functioning (3)

ENG 367 Environmental Issues in Literature and Film (3)

GPH 314 Global Change (3)

HON 394 The History and Evolution of Human Food (3)

NTR 353 The Western Diet: Food, History, and Sustainability (3)

PLB 302 Plants and Civilization

PUP 498 Pro-Seminar: Urban Food Systems (3)

SOS 327 Sustainable Food and Farms (3)

Tier 2 – Electives (choose two):

ABS 368 Plant Propagation (3)



ABS 498 Pro-Seminar: Desert Horticulture (3)

AGB 321 Agribusiness Marketing (3)

AGB 420 Food Advertising and Promotion (3)

AGB 452 International Agricultural Policy (3) ASB/SOS 370 Production, People and Environments (3)

ASB 410 Poverty, Social Justice and Global Health (3)

ASB 464/TCL 464 The Ethnography of Mexico and the Borderlands (3)

BIO 311 Biology and Society (3)

BIO 324 Environmental Ethics (3)

BIO 418 Soil Ecology (3)

BIO 434 People and Nature: Ecosystem Services (3)

GLG 327/SOC 274/SSH/370 327 Earth's Critical Zone (3)

NTR 348 Cultural Aspects of Food (3)

NTR 448 Community Nutrition (3)

PHI/HST/SOS/BIO 394 History and Philosophy of Sustainability (3)

SOS 322 International Development and Sustainability (3)

TCL 394 Health Policy in a Transborder Context (3)

D. Additional Admission Requirements If applicable list any admission requirements (freshman and/or transfer) that are higher than and/or in addition to the university minimum undergraduate admission requirements.)

Admission to this certificate requires a minimum GPA of 3.00.



17	Delivery/Campus	I C 4	D. P
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On-campus only (ground courses and/or iCourses)

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

F. Campus/Locations: Indicate all locations where this program will be offered.								
	Downtown Phoenix		Polytechnic	\boxtimes	Tempe		West	Other:



May 1, 2014

Christopher Boone Professor and Interim Dean School of Sustainability Arizona State University

Dear Dean Boone:

On behalf of the School of School of Human Evolution and Social Change (SHESC), I am writing to voice our support for the School of Sustainability undergraduate certificate in Food Systems. We are quite happy to have the following SHESC courses included as electives in the proposed certificate curriculum:

ASB 300 (Food and Culture), ASB 464 (Ethnography of Mexico and the Borderlands), ASB 410 (Poverty, Social Justice and Global Health), ASB 370 (Production, People and Environments)

We are pleased to contribute to this valuable effort. Do not hesitate to contact us should you need any additional input from SHESC.

Sincerely,

Keith W. Kintigh

Associate Director and Professor



May 11, 2014

Dr. Candice Carr Kelman Assistant Director School of Sustainability Arizona State University

Dear Dr. Kelman:

This letter is to confirm our support for your certificate in Sustainable Food Systems. The School of Transborder Studies is very pleased to support your certificate that includes three of our three credit courses: TCL/ASB 464 (Ethnography of Mexico and the Borderlands), TCL/ASB 463 (Political Ecology of the Border); and TCL 394 (Health Policy in a Transborder Context) to be elective courses for your proposed new undergraduate certificate in Sustainable Food Systems.

Sincerely yours,

Carlos G. Vélez-Ibáñez, Ph.D.

Car G. Vily 1.

Regents' Professor and Director, School of Transborder Studies Motorola Presidential Professor of Neighborhood Revitalization Professor School of Human Evolution and Social Change

Arizona State University

Tempe, Arizona 85287

Carlos. Velez-Ibanez@asu.edu

School of Transborder Studies

480 965-4908



May 1, 2014

To: Candice Carr Kelman, Assistant Director, School of Sustainability

From: Chris Martin, Professor and Head,

Science and Mathematics Faculty

CAROLA

Subject: Certificate in Sustainable Food Systems

The Science and Mathematics faculty in the School of Letters and Sciences is fully supportive of the proposed certificate in Sustainable Food Systems. We are pleased to have the following courses in our Applied Biological Science program included in this initiative and see no negative impacts on our curriculum or program.

ABS368 Plant Propagation

ABS460 Organic Gardening

ABS498 Desert Horticulture

(480) 727-1586 Fax: (480) 727-1961 website: wpcarey.asu.edu

May 14, 2014

Dear Professor Eakin,

W. P. CAREY

SCHOOL of BUSINESS

ARIZONA STATE UNIVERSITY

I am excited to provide the support of the Morrison School of Agribusiness, W. P. Carey School of Business, to the proposed undergraduate certificate in Sustainable Food Systems. I understand that the certificate will be housed with the School of Sustainability, Julie Ann Wrigley Global Institute of Sustainability. I am also happy to serve on a faculty committee that will govern this certificate.

It is the intention of the Morrison School of Agribusiness to service the AGB 456 (Food Product Innovation and Development) course which will be part of the Tier 1 core. The Morrison School is also happy to service the following courses proposed for the Tier 2 electives: AGB 420 (Food Advertising and Promotion), AGB 452 (International Agricultural Policy) and AGB 321 (Agribusiness Marketing). The mentioned courses have been developed and are regularly offered as part of the Morrison School degree programs. In addition, AGB 456 and AGB 420 are regularly offered as iCourses. I also support the efforts of the multidisciplinary team teaching approach of the proposed SOS 117 (Food System Sustainability) course which will serve as a required core course for the certificate.

Sincerely,

Mark R. Manfredo,

Professor and Director

Morrison School of Agribusiness

Male R. Manharo

Associate Dean - W. P. Carey School of Business at ASU Polytechnic

Arizona State University

Subject: Food systems certificate

Date: Wednesday, April 30, 2014 8:40:21 AM Mountain Standard Time

From: Joan McGregor

To: Candice Carr Kelman
CC: Paul Hirt, Hallie Eakin

Dear Hallie:

Paul Hirt, I and SHPRS support the inclusion of our course History and Philosophy of Sustainability to the new Food System Certificate (PHI/HST/SOS/BIO 394 note we are currently asking for a permanent number for this course and have taught it three time under the 394 number). This certificate will be an important opportunity for students from a variety of disciplines to organize their courses around the topic of food systems.

Best,

Joan

Joan McGregor
Professor of Philosophy
Director of Undergraduate Studies, Philosophy
Associate Director of Undergraduate Studies, SHPRS
School of Historical, Philosophical, and Religious Studies
Senior Sustainability Scholar, Global Institute for Sustainability
P. O. Box 874302
Arizona State University
Tempe, Arizona
85287-4302
Coor Hall 3352
(480) 965-5028 (office with messages)
(480) 965-5778 (central office)
(480) 965-0310 (FAX)

Julie Ramsden

From:

Hallie Eakin < Hallie. Eakin@asu.edu>

Sent:

Monday, May 05, 2014 2:11 PM

To:

Candice Carr Kelman

Subject:

FW: Food system certificate

From: Mark Lussier < MARK.LUSSIER@asu.edu>

Date: Monday, May 5, 2014 4:01 AM

To: Joni Adamson < Joni. Adamson@asu.edu>

Cc: Jessica Early <Jessica. Early@asu.edu>, Hallie Eakin <Hallie.Eakin@asu.edu>

Subject: RE: Food system certificate

Dear Joni:

Of course I approve and thank you, Hallie, for including the course.

All the best,

Mark

Mark Lussier, Professor & Chair
Department of English
Affiliate, Center for the Study of Religion & Conflict
Affiliate, Global Institute of Sustainability
Affiliate, Institute for Humanities Research
Arizona State University
Tempe, AZ 85287-0302
English = (480) 965-3168

www.public.asu.edu/~idmsl

http://www.palgraveconnect.com/pc/doifinder/10.1057/9780230119895

"The most sublime act is to set another before you." William Blake, Proverb of Hell

From: Joni Adamson

Sent: Tuesday, April 29, 2014 5:26 PM

To: Mark Lussier

Subject: FW: Food system certificate

Dear Mark,

Jessica Early directed me to you for a letter of approval for this? Maybe I could write the letter and just bring it for your signature to our Transitions meeting on Thursday?

This will be a good way for us to overlap the EH certificate with another excellent certificate in sustainability. I will be a member of the Committee for this certificate, together with Hallie Eakin (SOS) and Chris Wharton (Nuitrition).

Best, Joni

From: Hallie Eakin < Hallie.Eakin@asu.edu > Date: Monday, April 28, 2014 10:54 PM

To: Joni Adamson < Joni. Adamson@asu.edu>

Subject: Food system certificate

Dear Joni

As you know, we are submitting a proposal to establish a new undergraduate certificate in Sustainable Food Systems. Could you please review the courses that we will be including and help us get a letter of support from your program?

We would like to include the following courses from your area as electives for the new certificate:

ENG 367 Environmental Issues in Literature and Film

We have also appointed you to the Certificate Committee, responsible for administering the certificate together with Mark Manfredo, myself and Chris Wharton.

We would need to submit this proposal by May 20, 2014 so would need your brief letter (email) of support by May 15 to Candice Carr Kelman (copied above).

Let me know if you need any further information.

Thank you!

Hallie

Julie Ramsden

From:

Carol Johnston < CAROL.JOHNSTON@asu.edu>

Sent:

Thursday, May 01, 2014 8:24 PM

To:

Hallie Eakin

Cc:

Candice Carr Kelman; Christopher Wharton; Linda Vaughan

Subject:

Food System Certificate

Hello Hallie,

The Nutrition Program fully supports the creation and implementation of the undergraduate certificate in Sustainable Food Systems. We are pleased to have our courses included and foresee no negative impacts on our curriculum or course offerings. Please let me know if I can be of any further assistance.

Best,

Carol

Carol Johnston, PhD, RD

Professor/ Associate Director Nutrition Program School of Nutrition and Health Promotion Arizona State University 500 North 3rd Street Phoenix AZ 85004

P: 602-827-2265 F: 602-827-2253 carol.johnston@asu.edu