

2019

AIEA Annual Conference

What's Next?

Possibilities and Probabilities

in the Future of International

Higher Education



Seven-minute Motivators: Innovations in Curricular, Campus and Program Design

Brent White, University of Arizona

Daniel Palm, Northern Arizona University

Cesar Flores, Arizona State University

Shelley Stephenson, Arizona State University



THE UNIVERSITY OF ARIZONA

Global

International. Redefined.

global.arizona.edu



Global Presence

The UA will provide access to high-quality international education to those who otherwise lack access with 20 Micro-campuses and 10,000 global students by 2025.



THE UNIVERSITY OF ARIZONA

Global



A
THE UNIVERSITY
OF ARIZONA



AMERICAN UNIVERSITY
OF PHNOM PENH
STUDY LOCALLY. LIVE GLOBALLY.







Large Scale Collaborative Dual Degree 3+1 Program

Northern Arizona University & Chongqing University of Posts and
Telecommunications

Daniel Palm

Associate Vice President for Global Initiatives and
Executive Director of the Center for International Education

PROGRAM OVERVIEW

- NAU currently has 450 Chinese students enrolled at NAU with over 400 of them being dual degree students (1+2+1, 2+2, 3+1).
- 4+0 Mechanical Engineering dual-degree established in 2013 through a joint agreement approved by the Chinese Ministry of Education.
-NAU is ABET accredited.
- Currently nearly 400 students in the program with 32 undergraduates and 17 graduate students enrolled at NAU.
- Four NAU professors are in China for 12 weeks teaching 4 courses per semester.
-Six new NAU Mechanical Engineering faculty have been hired within the department to teach within this program.
- 140 students have come to NAU in AY18/19 alone as part of a 2-4 week language/culture program.
- We continue to look for ways to undertake joint research.

IS 3+1 (4+0) RIGHT FOR YOU?

- **Resource intensive**
 - Resources can be reduced by working with an agency but can create increased complexities.
 - We've had a team of two administrators.
 - Financial, academic, program promotion, Chinese tax laws, faculty schedules, etc.
- MOE approved 4+0 programs require a **large time commitment**.
 - One can be established and more can only be established after MOE review.
- Consider **provincial level approval** for dual-degree programs whenever possible.
 - Easier and quicker to establish, decreased resource commitment and can result in larger cohorts coming to campus.
 - No limit to the number of programs.

CLOSING THOUGHTS



- We consider the program a great success.
-What is your win-win situation for your institution?
- It has been transformative for our Mechanical Engineering program.
-Doubled the size of graduate undergraduate class
-Professors traveling to and teaching in China
- We are in the process of establishing two more programs in China.

The logo for Arizona State University, featuring the letters 'ASU' in a large, bold, white font with a stylized sunburst behind the 'A'. To the right of 'ASU', the words 'Arizona State University' are stacked vertically in a smaller, white, sans-serif font.

ASU Arizona State University

A photograph of a graduation ceremony at night. Graduates in maroon gowns and caps are cheering and making peace signs. A large yellow banner with the text 'HEEAP & BUILD-IT' is overlaid on the image.

HEEAP & BUILD-IT

Cesar Flores
Director of International Recruitment Operations



USAID
FROM THE AMERICAN PEOPLE



ASU IRA A. FULTON SCHOOLS OF
engineering
ARIZONA STATE UNIVERSITY

HEEAP Higher Engineering Education Alliance Program

Supply education and build capacity

Link STEM education in Vietnam's Higher Education Institutions with Industry needs to generate technology-based growth

Prepare global-minded engineers

Who display:
Self-reliance
Creativity
Conflict-resolution
Sound understanding of Ethics,
Economics and Business Strategies



Higher Education Innovation in Vietnam

Based on the pillars of institutional policy, quality, curriculum, faculty innovation, and technology, ASU leverages deep and diverse government-industry-academic partners that share a goal of tightly linking STEM instruction in Vietnamese higher education institutions to the needs and capabilities of industry partners to produce graduates who can lead inclusive, technology-based growth.

8,228 total impact
30% female
\$25.2 M total investment

PHASE 3: CURRICULUM INNOVATION & QUALITY, POLICY & LEADERSHIP

PHASE 2: QUALITY ASSURANCE & TECHNOLOGY SOLUTIONS

PHASE 1: FACULTY DEVELOPMENT

	2010 - 2012	2013	2014	2015	2016	2017 - 2020
HEEAP (2010-2012) \$2.4 M USAID and Intel funded the initial project	VEEC Can Tho 164 109 awarded Vocational Female Scholarships	VEEC Ho Chi Minh City 350 109 awarded Vocational Female Scholarships	VEEC Ho Chi Minh City 380 BUILD IT (2015-2020) \$10.8 M USAID funded project	VEEC DaNang 288 UTE launches Distance Learning Classroom	VEEC Ho Chi Minh City 380 BUILD IT (2015-2020) \$10.8 M USAID funded project	STEMCON Hanoi 245 Ho Chi Minh City and Danang Maker-Space Launch
VULII (2013-2015) \$2.4 M USAID funded Vocational & University Leadership and Innovation Institute	911 PhD Fellowships Faculty Masters Fellowships Advancing Women in Engineering	911 PhD Fellowships Faculty Masters Fellowships Advancing Women in Engineering	109 awarded Vocational Female Scholarships New Vietnamese Laws allow more autonomy for Higher Education	109 awarded Vocational Female Scholarships DUT launches Distance Learning Classroom	109 awarded Vocational Female Scholarships DUT launches Distance Learning Classroom	109 awarded Vocational Female Scholarships Grand Challenges Master's Fellowship Program
INTEL Investment (2012-2018) \$7 M						
Founding partners ASU, intel, USAID						
Consortium Partners: Academic-Government-Industry						



BUILD-IT

**Building University-
Industry Learning and
Development through
Innovation and
Technology**



4,703
Vietnamese leaders
and faculty trained

64
STEM programs for ABET
accreditation by 2020

11,000
Students participated to date

39%
Female trainees

100+
Faculty trained in EPICS
workshops

200,000
Students to be impacted
by 2020





Oracle Academy Training

Train-the-trainer Java courses in partnership with Oracle Academy

Amazon Web Services Training

Training in industry sponsored applied curriculum in cloud computing technology in partnership with Amazon Web Services



WEPICS¹ Competition

Providing leadership opportunities for women in entrepreneurship and innovation in partnership with Fablab Danang, University of Danang, Danang University of Science and Technology, Evergreen Labs and Microsoft



Institutional Accreditation Series

University partners prepare for international accreditation and recognition as a hallmark of institution and program quality

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Innovative Internationalization within a Decentralized Structure: Arizona State University

Shelley Stephenson, Arizona State University

Arizona State University



**ASU Design aspiration number 8:
Engage Globally**



**No. 1 public university chosen by
international students**



**Top 10 in the nation for
students studying abroad**



**No. 1 in the U.S. for innovation
ahead of Stanford and MIT**

ASU engages with people
and issues locally, nationally
and internationally.

- Open Doors 2018 Report

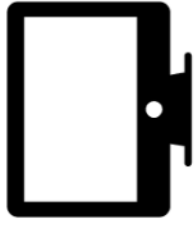


- Open Doors 2018 Report



- U.S. News & World
Report

ASU innovation in the global space



Online education

- Global Freshman Academy
- Education for Humanity



Education abroad

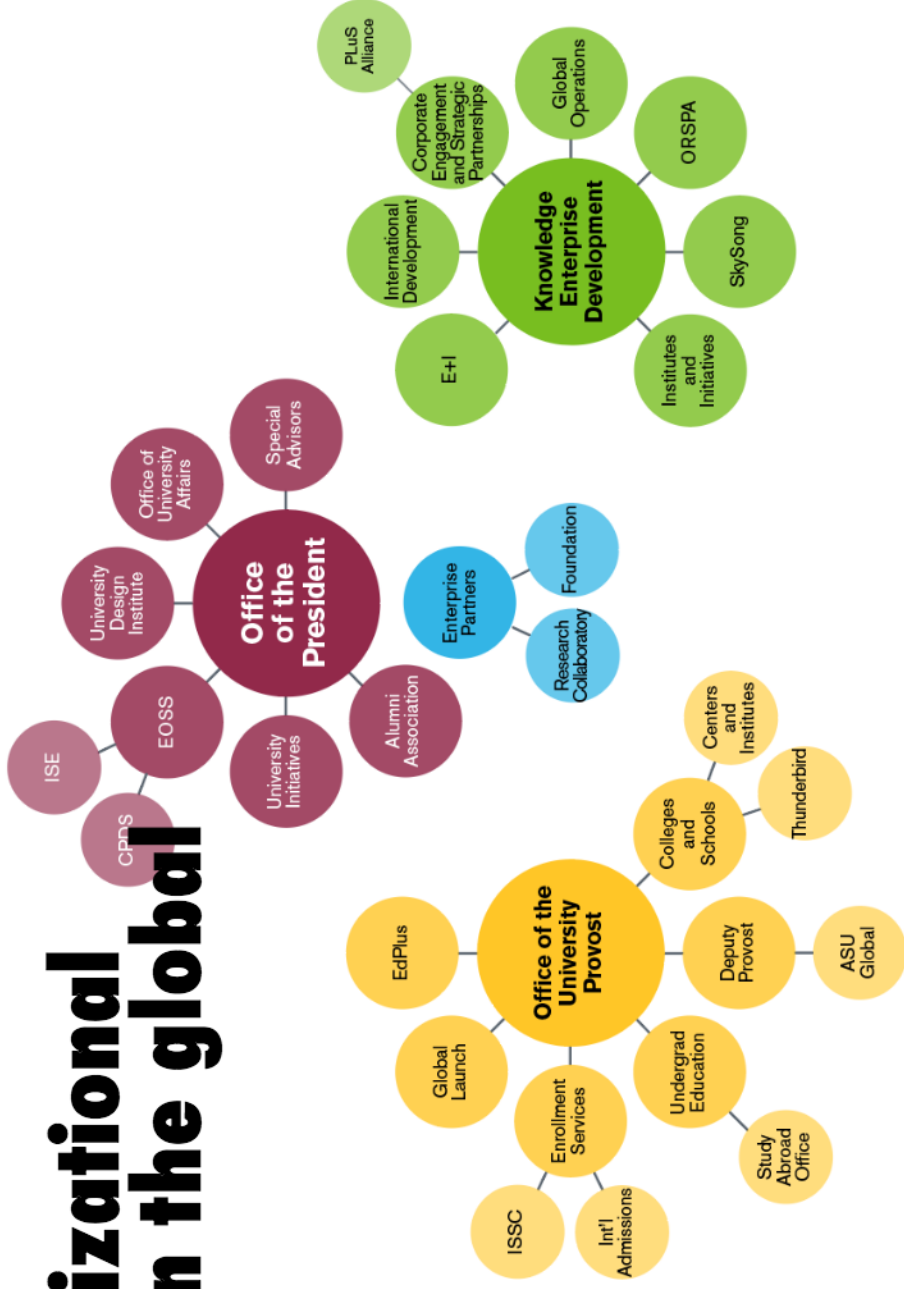
- Global Intensive Experience
- Planning Grant
- ASU OLLI Corps



Research

- ASU International Development

ASU organizational structure in the global space



Decentralization benefits & challenges

Benefits

Venture capital model
Freedom to innovate
Nimbleness
Localized funding
Allocation of resources
Grassroots-level support

Challenges

Silos/communication
• Lack of connections, risks
Fragmented or partial strategy
Lack of continuity & common purpose
Inefficiency
Duplicated efforts

Supporting innovation with integration

Mission:

Advance coordination while supporting global entrepreneurial innovation

- Design and implement an integrated system of resources, infrastructure, and strategic planning
- Bring coherence to global engagement within the existing system of “distributed decision-making”

Collaboration & connection rather than command & control
Evolution of structure