

Proposed new academic units or proposals to disestablish, re-align or reorganize existing academic units must be included on the ABOR approved Academic Plan. With prior approval from the Office of the University Provost, the "Proposal to Make Changes in an Academic Unit" may be routed through the internal ASU proposal development and review process prior to ABOR meeting on the academic plan, although final implementation requires ABOR approval. That is, there is no required order of events for ABOR and internal approvals. Normally changes are considered by the unit, the relevant college/school committee if applicable, the college dean or school director, the Office of the University Provost, the Curriculum and Academic Programs Committee (CAPC) of the University Senate, and the University Senate, first reading and second reading/vote. Final decisions are made by the University Provost.

Mail completed proposal to CurriculumPlanning@asu.edu

Note: Depending on the scope of the change, in addition to completing this proposal, you may be asked to provide additional information related to budget, by-laws, promotion and tenure criteria, a transition plan for faculty, staff and students, etc.

UNIT INFORMATION

College/School/Institute or administrative area under which the proposed academic unit will exist: College of Global Futures

If within a subunit (e.g., school within a college), name the unit:

If a reorganization:

name of the existing unit:

name of the new unit:

School of Complex Adaptive Systems

Will new state resources be required to make this change? No

Requested effective term: Fall **and year:** 2020

Proposal Contact

Name: Frederick C. Corey **Title:** Vice Provost
Phone number: 602-496-0624 **Email:** frederick.corey@asu.edu

Administrator/Dean Approval

This proposal has been approved by all necessary unit and college level committees and the college/school have the resources to support the proposed new organization or reorganization. My signature below signifies that I strongly endorse the establishment of the proposed new unit or the organizational change. (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/Administrator name: N/A

Signature _____ **Date:** ____ / ____ /20

College/School/Division Dean/Administrator name: N/A
(if more than one college involved)

Signature _____ **Date:** ____ / ____ /20

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

This template is to be used only by a unit that has received specific written approval from the Office of the University Provost to proceed with internal proposal development for the establishment of a new academic unit or reorganization to an existing academic unit.

Note: Depending on the scope of the change, in addition to completing this proposal, you may be asked to provide additional information related to budget, by-laws, promotion and tenure criteria, a transition plan for faculty, staff and students, etc.

I. Description of the proposed organizational unit change

- a. Explain the nature of the change; i.e., formation of a new unit or reorganization of an existing unit.
To establish the School of Complex Adaptive Systems.
- b. Identify the existing unit(s) affected by the change and its place in the current organizational structure of the university.
The School of Complex Adaptive Systems will be a school on the College of Global Futures.
- c. If applicable, list any academic units to be disestablished as a result of the proposed reorganization.
None

II. Purpose and activities of the unit

- a. Explain the rationale for the change.
ASU is one of the very top academic institutions worldwide studying the future of our planet and the interplay between the natural and built environments. Because the Earth system, including the human domain, is the ultimate complex system, it cannot be studied or projected to future states without a dedicated effort in understanding the fundamental nature of complex systems, the application of complex systems theory to problem solving, and teaching the next generation of leaders in the fields of sustainability and innovation for the future the basic skills needed for decision making under complex circumstances.
- b. Identify the basic goals and objectives of the new or reorganized unit(s).
Demonstrate leadership in academic excellence and accessibility.
Establish national standing in academic quality and impact in complex adaptive systems.
Establish ASU as a leading global center for interdisciplinary research, discovery and development in complex adaptive systems.
Enhance ASU's local impact and social embeddedness in topics related to complex adaptive systems.
- c. List all existing undergraduate and graduate academic programs, including degree programs, certificates and minors that will be housed in the proposed academic unit, whether new or reorganized.
Graduate Certificate in Complex Adaptive Systems Science
MS in Biomimicry
MS in Complex System Science
- d. Identify the unit(s) that will assume the responsibilities of any units that are recommended for elimination.
None.
- e. For instructional units, project the impact of this change on enrollment numbers over the next three years.
None.

III. Resources**a. Faculty and staff**

- i. List the name, rank, highest degree; and estimate of the level of involvement of all current faculty and professional staff who will participate in the new or reorganized unit. Also indicate the position each person will hold in the new unit.
See appendix I
- ii. List the clerical and support staff positions that will be included in the new unit.
See appendix II
- iii. Indicate the number of graduate assistants who will be assigned to the new unit.
None
- iv. Project the number and type of new faculty and staff positions that will be needed by the unit during each of the next three years.
Any new hires will be discussed with the provost when needed.

b. Financing

- i. Explain the plan for providing adequate financing for the unit. If state funds will be used, indicate whether new appropriations will be requested or if existing appropriations will be reallocated.
Existing resources from the Global Biosocial Complexity Initiative and the Complex Adaptive Systems Initiative will be reallocated to the new school.
- ii. Identify sources for external funding for the unit
None

c. Physical facilities and equipment

- i. Identify the physical facilities that will be required for the new unit and indicate whether those facilities are currently available.
Existing space used by the Global Biosocial Complexity Initiative in Engineering Center - A Building may be used.
- ii. List all additional equipment that will be needed during the next five years and the estimated cost.
None

d. Library resources, materials, and supplies

- i. Identify any additional library acquisitions that will be needed during the next three years and the estimated cost.
Existing resources are sufficient.
- ii. List any special materials or supplies, other than normal office supplies, that will be required by the new unit.
None

e. Other information

- i. Identify any implications of the proposed change for regional or programmatic accreditation.
N/A
- ii. Provide any relevant information, not requested above, that will assist reviewers in evaluating the proposed change.

Appendix I: Faculty

Last Name	First Name	Rank	Degree	Participation Percentage
ASU Faculty				
Laubichler	Manfred	President's Professor, Interim Director SCAS, Director GBCI	Ph.D.	75%
Poste	George	Regent's Professor	Ph.D.	10%
Barton	Michael	Professor, Associate Director Grad Programs	Ph.D.	50%
Janssen	Marco	Professor, Associate Director, Research and Facilities	Ph.D.	50%
Anderies	John	Professor	Ph.D.	50%
Forrest	Stephanie	Professor	Ph.D.	25%
Walker	Sara	Associate Professor	Ph.D.	25%
Jordan	Michelle	Associate Professor, Associate Director UG Programs	Ph.D.	25%
Buetow	Ken	Professor	Ph.D.	25%
Pavilic	Ted	Assistant Professor	Ph.D.	50%
Sha	Xin-Wei	Professor	Ph.D.	25%
Barker	Anna	Professor of Practice	Ph.D.	5%
West	Geoffrey	Professor, Associate Director SFI	Ph.D.	25%
Galesic	Mirta	Professor	Ph.D.	25%
Kempes	Chris	Professor	Ph.D.	25%
Wolpert	David	Professor	Ph.D.	25%

Appendix II: Staff

Title
International Coordinator, Sr
Executive Assistant
Office Specialist, Sr
Business Operations Specialist, Sr
Administrative Specialist
Project Manager, Research
Web site Technician
Assistant
Manager, Administrative Support Operations
Executive Assistant