

A Proposal for Reorganization of the College of Arts and Sciences
 Submitted by John Cumalat, Department of Physics; Keith Julien, Department of Applied Mathematics.

The following departmental chairs have read this white paper and have discussed it with their departments. The chairs and the departments have voted to support the proposal to improve the college representation.

The Department of Geological Sciences and the Department of Ecology and Evolutionary Biology did not vote, but both chairs support the proposal as do several faculty members in their departments. The Department of Astrophysical and Planetary Sciences voted on the proposal and the department's vote was reported as 10 in favor, 1 opposed, 6 abstained and 4 did not vote. The department's vote did not achieve the unit's required 75% in favor vote and they are not listed below.

Keith Julien	and	Department of Applied Mathematics
Jeffrey B. Weiss	and	Department of Atmospheric and Oceanic Sciences
Marcelo Carlos Sousa	and	Department of Biochemistry
Carl A. Koval	and	Department of Chemistry
M. Deane Bowers		Chair - Department of Ecology and Evolutionary Biology
Shemin Ge		Chair - Department of Geological Sciences
David Sherwood	and	Department of Integrative Physiology
Alexander Gorokhovskiy	and	Department of Mathematics
Lee Niswander	and	Department of Molecular, Cellular and Developmental Biology
John P. Cumalat	and	Department of Physics
Jerry W. Rudy	and	Department of Psychology
Bert Covert		Chair - Department of Sociology
Brenda Schick	and	Department of Speech, Language, and Hearing Sciences
G. Lang Farmer		Divisional Dean of Natural Sciences
Ann Carlos		Divisional Dean of Social Sciences
Ruth-Ellen Kocher		Divisional Dean of Arts and Humanities

Executive Summary for College Reorganization

The future of education is to increase the number of students involved in cutting edge research and scholarly activities, exposing them to skills that will lead them to more marketable opportunities after they graduate. The Chancellor in his 2017 State of the Campus address proposed having 50% of the undergraduates involved in research and scholarly activities.

The signers of this white paper believe that the College of Arts and Sciences (CAS) can best address the Chancellor's goals through

Perspective of the Natural Sciences Division :

The Division of Natural Sciences is in favor of the proposed administrative changes to the CAS proposed here, for the reasons outlined in the following text. However, we note that even with such a model the Natural Science faculty will be the least represented faculty group

- C) Research is another area where the representation is determined via a senate model. CU has eleven institutes on campus and these are the research areas that the campus promotes. However, in several cases the research expenditures in NS departments are larger than most institutes. Again, it is important to have a divisional representative that is familiar with the research conducted in the division's departments.
- D) A fair distribution of development officers – for several years the Natural Sciences Division had no development officers – as a college we should have Advancement Officers assigned to our division. There are now 2-3 people assigned to Natural Sciences, but given the number of faculty in NS is equal to all other faculty outside of the college this is not equitable.

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V. Differential Tuition for Natural Sciences

If one looks at the tuition after COF in different colleges for each semester, then we find for students first enrolled in Fall 2017:

College	In-state Tuition	Out-of-State Tuition
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A&S	\$5124	\$17,191
Engineering	\$6780	\$18,645
CMCI	\$5952 ()	\$17,989 ()

The tuition in the Natural Science departments should be the same as Engineering – this should be an additional \$10 Million in revenue. It is very hard to argue that tuition should be higher in CMCI than in the Natural Sciences.

Students majoring in departments in the Natural Sciences Division should be charged differential tuition.

VI. Start up and retention packages

Most departments have, or will have, difficulty in meeting their University/College

Chart of College Reorganization Model

Figure 1: Proposed Reorganization Model for the College of A&S. The current Divisional Deans become Deans and report directly to the Provost. The Executive Dean duties are assumed by one of the Deans. (Note there is a new position called Director of Access and Recruiting.)