

REGULAR MEETING OF THE UNIVERSITY FACULTY SENATE

May 13, 2019 – 104 GORE HALL

4:00PM

April 17, 2019

TO: Senators and Executives

FROM: Lynnette Overby, Vice President
University Faculty Senate

SUBJECT: Regular Faculty Senate Meeting May 13, 2019

In accordance with Section IV, paragraph 6 of the Constitution, the regular meeting of the University Faculty Senate will be held on Monday, May 13 at 4:00 p.m. in **104 Gore Hall**.

Immediately prior to the Faculty Senate Meeting, the **General Faculty Meeting** will begin at **3:00 p.m. in Mitchell Hall**. Please make every attempt to attend this General Faculty Meeting.

The Agenda will be as follows:

AGENDA

- I. Adoption of the Agenda**
- II. Approval of the Minutes:** [April 8, 2019](#)
- III. Election of Senate Officers and Selected Committee Members** – A slate of nominations prepared by the Committee on Committees and Nominations (Amy Johnson, Chairperson) is presented in [Attachment 1](#). Biographies of the nominees are presented in [Attachment 2](#). Senators are reminded that additional nominations may be made from the floor, and that senators making such nominations are responsible for determining that a nominee would serve if elected.
 - A. President Elect: Charles Boncelet – [Candidate Interview and Statement of Interest](#)
Prasad Dhurjati – [Candidate Interview and Statement of Interest](#)
 - B. Secretary: Brian Hanson

William Rose
Michael O'Neal

C. Committee on Committees and Nominations (COCAN) Member-At-Large: Brittany Overstreet

D. Committee on Committees and Nominations (COCAN) Chair: Allison Karpyn and Brittany Overstreet

IV. Presentation of the 2019 Faculty Senate Excellence Awards:
Senate President Chris Williams

V. Presentation of the 2019 Jon Olson Exemplary Senate Service Award
Senate President Chris Williams

VI. Remarks: Provost Robin Morgan

VII. Announcements: Senate President Chris Williams

VIII. Consent Agenda: [Curriculog](#) login with **UD credentials** and click on **Agendas tab at the top**

Undergraduate Proposals

College of Arts and Sciences

1. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Philosophical Foundations of Cognitive Science Specialization**
2. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Philosophy Honors (HBA)**
3. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Psychological Foundations of Cognitive Science Specialization**
4. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee

(Chris Williams, Chair) for the **revision to the Shared Core Regional Specializations in Political Science and International Relations**

5. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Science of Language Specialization in Cognitive Science BS**
6. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Cognitive Science BS**
7. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computational, Mathematical, and Logical Foundations of Cognitive Science Specialization**
8. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Pre-Professional Speech-Language Pathology Specialization**
9. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Applied Music – Instrumental – Principal Instruments Concentration (BM)**
10. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Music History and Literature (BM)**
11. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Music Theory (BM)**
12. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating

Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Bachelor of Arts in Africana Studies to add Social Studies Education Concentration**

13. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Graduate Studies Committee (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request to revise the 4 +1 in Neuroscience (BS/MS)**

Lerner College of Business and Economics

14. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Accounting**
15. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Business Administration Minor**
16. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BA in Economics**
17. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Economics Major Requirements**
18. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Entrepreneurship Minor**
19. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Finance**

20. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Financial Planning and Wealth Management**
21. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Global Enterprise Management**
22. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Hospitality Industry Management**
23. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in International Business Studies**
24. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Management**
25. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Management Information Systems**
26. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Marketing**
27. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Operations Management**

28. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Sport Management**

College of Earth, Ocean, and Environment

29. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Environmental Studies BA – Major Requirements**
30. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Environmental Studies Honors (HBA)**
31. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Environmental Studies BA – Environment and Society Concentration**
32. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Environmental Studies BA – Environmental Advocacy Concentration**
33. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Environmental Studies BA – Environmental Planning and Design Concentration**

College of Education and Human Development

34. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the BS in Early Childhood Education**

College of Engineering

35. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science Honors (HBS)**
36. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Artificial Intelligence and Robotics Concentration**
37. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Artificial Intelligence and Robotics Concentration Honors (HBS)**
38. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Bioinformatics Concentration**
39. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Bioinformatics Concentration Honors (HBS)**
40. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Cybersecurity Concentration**
41. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Cybersecurity Concentration Honors (HBS)**

42. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Data Science Concentration**
43. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Data Science Concentration Honors (HBS)**
44. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – High Performance Computing Concentration**
45. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – High Performance Computing Concentration Honors (HBS)**
46. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Systems and Networks Concentration**
47. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Systems and Networks Concentration Honors (HBS)**
48. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Theory and Computation Concentration**

49. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Computer Science BS to add – Theory and Computing Concentration Honors (HBS)**
50. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Bachelor of Civil Engineering (BCE)**
51. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Civil Engineering Minor**
52. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Bachelor of Construction Engineering and Management (BCEM)**
53. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Bachelor of Environmental Engineering (BENE)**
54. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Bachelor of Environmental Engineering – Environmental Biological and Chemical Processes Concentration (BENE)**
55. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Bachelor of Environmental Engineering – Environmental Facilities Design and Construction Concentration (BENE)**
56. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee

(Chris Williams, Chair) for the **revision to the Bachelor of Environmental Engineering – Water Resources and Water Quality Concentration (BENE)**

Graduate Proposals

College of Agriculture and Natural Resources

57. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Statistics Graduate Certificate**
58. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request to revise the MS in Animal Science**

College of Arts and Sciences

59. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request to revise the MS in Data Science**
60. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request to revise the MA in Interaction Design**
61. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request to revise the Museum Studies Graduate Certificate**

College of Engineering

62. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty

Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Materials Science and Engineering (MMSE)**

63. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **revision to the Materials Science and Engineering (PhD)**

IX. Regular Agenda:

A. Unfinished Business: None

B. New Business:

1. **Confirmation of Appointments:** ([attachment](#))
2. **Standing Committee Annual Reports** ([attachment](#))
3. **Resolutions:** [Curriculog](#) login with **UD credentials and click on Agendas tab at the top**

Graduate and Undergraduate Proposal

College of Earth, Ocean, and Environment

64. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Graduate Studies Committee (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request for a Department Name Change from Department of Geography to Department of Geography and Spatial Sciences**

WHEREAS, Geography inherently involves the study of spatial relationships and a name change that includes “spatial sciences” better aligns the Department with the future of the discipline; and

WHEREAS, the inclusion of “spatial sciences” in the departmental name more aptly conveys the spatial dimension of the discipline which is likely to attract more students (both undergraduate and graduate) to the Department; and

WHEREAS, it is advantageous to market the “spatial sciences” dimension for future students given that the US Department of Labor and Statistics forecasts a higher than average job growth for geospatial scientists, with O•Net, a website that aggregates US Department of Labor information, reporting that geospatial information scientists and technologists have a median annual wage (2016) of \$86,510, and

WHEREAS, the addition of “spatial sciences” to the departmental name is synchronized with increased funding opportunities at federal agencies in big data and represents a growth area for the Department regarding new faculty hires and degree programs; and

WHEREAS, the proposed program would contribute to a strategic initiative in data science at the university and be aligned with the Data Science Institute; be it therefore

RESOLVED, that the Faculty Senate approves the name change of the Department of Geography to the Department of Geography and Spatial Sciences.

65. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request for a Department Name Change from Department of Geological Sciences to Department of Earth Sciences**

WHEREAS, in Spring of 2018 an internal review panel evaluating the Department of Geological Sciences recommended a more modern naming of the Department that reflects nationwide trends, the expertise of its current faculty, and the breadth of the Department’s current research, and

WHEREAS, a name change will provide branding consistency with the name of the Department and is broader and more inclusive of research and teaching of the program; be it therefore

RESOLVED, that the Faculty Senate approves a name change for the Department of Geological Sciences to the Department of Earth Sciences.

[College of Arts and Sciences](#)

66. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **establishment of a 4 + 1 – Bachelor of Arts – Master of Public Policy**

WHEREAS, the MPP is a new interdisciplinary professional graduate course of study that provides advanced analytic and substantive knowledge of public policy to educate professionals for work in the public, private, and non-profit sectors on issues of public concern at all levels, local to global; and

WHEREAS, there has been much interest from existing Bachelor of Arts in Public Policy (BA-PP) students for 4+1 dual-degree options - currently with the Master of Public Administration and Master of Arts in Urban Affairs and Public Policy; and

WHEREAS, the proposed 4+1 program would provide BA-PP students the option to continue their studies in public policy here at the university; and

WHEREAS, the proposed 4+1 program contributes to the university's strategic plan to expand consequential knowledge and support the engaged university; be it therefore

RESOLVED, that the Faculty Senate recommends approval of a new dual-degree 4+1 program between the Bachelor of Arts in Public Policy and the Master of Public Policy.

College of Arts and Sciences and College of Engineering

67. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **establishment of a 4 + 1 – Bachelor of Arts, Bachelor of Engineering, Bachelor of Science and Master of Science Data Science Shared Core**

WHEREAS, the University of Delaware has established an interdisciplinary Master of Science in Data Science (MSDS) which has already admitted a small number of students for its first semester, and

- WHEREAS, all such national and regional data suggest a significant demand for the training in data science, which requires expertise in mathematics, computer science, statistics, as well as a domain (or application) field, and
- WHEREAS, the program allows students to take courses in three departments in and application domains; such flexibility allows training in different categories of positions, and
- WHEREAS, the proposed master in data science program can offer training with breadth and depth, placing graduates from the program a better position to lead in new techniques in data science and analytics, and
- WHEREAS, the proposed program will contribute to a strategic initiative in data science on campus, and
- WHEREAS, the program could provide well-prepared applicants for those data intensive Ph.D. programs such as Financial Service Analytics or Bioinformatics, or for Ph.D. programs in Mathematics, Computer Science, and Statistics, as well as other application fields,
- WHEREAS, a number of majors around campus give excellent background for the new MSDS program, including all of the majors from the Department of Mathematical Sciences, the Department of Computer and Information Sciences, and the Department of Electrical and Computer Engineering, and
- WHEREAS, the three departments named above have all approved the offering of 4+1 Bachelors/MSDS options for all of their undergraduate majors, and
- WHEREAS, the executive committee of the MSDS has approved the offering of 4+1 Bachelors/MSDS options for all of those undergraduate majors, and
- WHEREAS, students in the program can be expected to pay for their courses of study, which will generate revenue for the university; be it therefore
- RESOLVED, that the Faculty Senate recommends approval of the establishment of 4+1 Bachelors/MSDS degree for all of the Bachelors degrees offered by the following Departments:

From Mathematical Sciences, there are 8 majors, and all 8 have an honors version. The 16 undergraduate majors are:

- Actuarial Sciences (BS);
- Applied Mathematics (BS);
- Mathematics (BA);
- Mathematics (BS);
- Mathematics and Economics (BS);
- Mathematics Education (BA);
- Mathematics Education (BS);
- Quantitative Biology (BS);
- Honors Actuarial Sciences (HBS);
- Honors Applied Mathematics (HBS);
- Honors Mathematics (HBA);
- Honors Mathematics (HBS);
- Honors Mathematics and Economics (HBS);
- Honors Mathematics Education (HBA);
- Honors Mathematics Education (HBS);
- Honors Quantitative Biology (HBS).

CIS has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Science (BS);
- Computer Science (BA);
- Information Systems (BS);
- Honors Computer Science (HBS);
- Honors Computer Science (HBA);
- Honors Information Systems (HBS).

ECE has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Engineering (BCE);
- Electrical Engineering (BEE);
- Honors Computer Engineering (HBCE);
- Honors Electrical Engineering (HBEE);

68. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **establishment of a 4 + 1 – Bachelor of Computer Engineering and Master of Science in Data Science**

WHEREAS, the University of Delaware has established an interdisciplinary Master of Science in Data Science (MSDS) which has already admitted a small number of students for its first semester, and

- WHEREAS, all such national and regional data suggest a significant demand for the training in data science, which requires expertise in mathematics, computer science, statistics, as well as a domain (or application) field, and
- WHEREAS, the program allows students to take courses in three departments and in application domains; such flexibility allows training in different categories of positions, and
- WHEREAS, the proposed master in data science program can offer training with breadth and depth, placing graduates from the program in a better position to lead in new techniques in data science and analytics, and
- WHEREAS, the proposed program will contribute to a strategic initiative in data science on campus, and
- WHEREAS, the program could provide well-prepared applicants for those data intensive Ph.D. programs such as Financial Service Analytics or Bioinformatics, or for Ph.D. programs in Mathematics, Computer Science, and Statistics, as well as other application fields,
- WHEREAS, a number of majors around campus give excellent background for the new MSDS program, including all of the majors from the Department of Mathematical Sciences, the Department of Computer and Information Sciences, and the Department of Electrical and Computer Engineering, and
- WHEREAS, the three departments named above have all approved the offering of 4+1 Bachelors/MSDS options for all of their undergraduate majors, and
- WHEREAS, the executive committee of the MSDS has approved the offering of 4+1 Bachelors/MSDS options for all of those undergraduate majors, and
- WHEREAS, students in the program can be expected to pay for their courses of study, which will generate revenue for the university; be it therefore
- RESOLVED, that the Faculty Senate recommends approval of the establishment of 4+1 Bachelors/MSDS degree for all of the Bachelors degrees offered by the following departments:

From Mathematical Sciences, there are 8 majors, and all 8 have an honors version. The 16 undergraduate majors are:

- Actuarial Sciences (BS);
- Applied Mathematics (BS);
- Mathematics (BA);
- Mathematics (BS);
- Mathematics and Economics (BS);
- Mathematics Education (BA);
- Mathematics Education (BS);
- Quantitative Biology (BS);
- Honors Actuarial Sciences (HBS);
- Honors Applied Mathematics (HBS);
- Honors Mathematics (HBA);
- Honors Mathematics (HBS);
- Honors Mathematics and Economics (HBS);
- Honors Mathematics Education (HBA);
- Honors Mathematics Education (HBS);
- Honors Quantitative Biology (HBS).

CIS has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Science (BS);
- Computer Science (BA);
- Information Systems (BS);
- Honors Computer Science (HBS);
- Honors Computer Science (HBA);
- Honors Information Systems (HBS).

ECE has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Engineering (BCE);
- Electrical Engineering (BEE);
- Honors Computer Engineering (HBCE);
- Honors Electrical Engineering (HBEE);

69. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **establishment of a 4 + 1 – Bachelor of Electrical Engineering and Master of Science in Data Science**

WHEREAS, the University of Delaware has established an interdisciplinary Master of Science in Data Science (MSDS) which has already admitted a small number of students for its first semester, and

- WHEREAS, all such national and regional data suggest a significant demand for the training in data science, which requires expertise in mathematics, computer science, statistics, as well as a domain (or application) field, and
- WHEREAS, the program allows students to take courses in three departments and in application domains; such flexibility allows training in different categories of positions, and
- WHEREAS, the proposed master in data science program can offer training with breadth and depth, placing graduates from the program in a better position to lead in new techniques in data science and analytics, and
- WHEREAS, the proposed program will contribute to a strategic initiative in data science on campus, and
- WHEREAS, the program could provide well-prepared applicants for those data intensive Ph.D. programs such as Financial Service Analytics or Bioinformatics, or for Ph.D. programs in Mathematics, Computer Science, and Statistics, as well as other application fields,
- WHEREAS, a number of majors around campus give excellent background for the new MSDS program, including all of the majors from the Department of Mathematical Sciences, the Department of Computer and Information Sciences, and the Department of Electrical and Computer Engineering, and
- WHEREAS, the three departments named above have all approved the offering of 4+1 Bachelors/MSDS options for all of their undergraduate majors, and
- WHEREAS, the executive committee of the MSDS has approved the offering of 4+1 Bachelors/MSDS options for all of those undergraduate majors, and
- WHEREAS, students in the program can be expected to pay for their courses of study, which will generate revenue for the university; be it therefore
- RESOLVED, that the Faculty Senate recommends approval of the establishment of 4+1 Bachelors/MSDS degree for all of the Bachelors degrees offered by the following departments:

From Mathematical Sciences, there are 8 majors, and all 8 have an honors version. The 16 undergraduate majors are:

- Actuarial Sciences (BS);
- Applied Mathematics (BS);
- Mathematics (BA);
- Mathematics (BS);
- Mathematics and Economics (BS);
- Mathematics Education (BA);
- Mathematics Education (BS);
- Quantitative Biology (BS);
- Honors Actuarial Sciences (HBS);
- Honors Applied Mathematics (HBS);
- Honors Mathematics (HBA);
- Honors Mathematics (HBS);
- Honors Mathematics and Economics (HBS);
- Honors Mathematics Education (HBA);
- Honors Mathematics Education (HBS);
- Honors Quantitative Biology (HBS).

CIS has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Science (BS);
- Computer Science (BA);
- Information Systems (BS);
- Honors Computer Science (HBS);
- Honors Computer Science (HBA);
- Honors Information Systems (HBS).

ECE has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Engineering (BCE);
- Electrical Engineering (BEE);
- Honors Computer Engineering (HBCE);
- Honors Electrical Engineering (HBEE);

70. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) and the Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **establishment of a 4 + 1 – Computer Science (BA/BS) or Information Systems (S) and Master of Science Data Science**

WHEREAS, the University of Delaware has established an interdisciplinary Master of Science in Data Science (MSDS) which has already admitted a small number of students for its first semester, and

- WHEREAS, all such national and regional data suggest a significant demand for the training in data science, which requires expertise in mathematics, computer science, statistics, as well as a domain (or application) field, and
- WHEREAS, the program allows students to take courses in three departments and in application domains; such flexibility allows training in different categories of positions, and
- WHEREAS, the proposed master in data science program can offer training with breadth and depth, placing graduates from the program in a better position to lead in new techniques in data science and analytics, and
- WHEREAS, the proposed program will contribute to a strategic initiative in data science on campus, and
- WHEREAS, the program could provide well-prepared applicants for those data intensive Ph.D. programs such as Financial Service Analytics or Bioinformatics, or for Ph.D. programs in Mathematics, Computer Science, and Statistics, as well as other application fields,
- WHEREAS, a number of majors around campus give excellent background for the new MSDS program, including all of the majors from the Department of Mathematical Sciences, the Department of Computer and Information Sciences, and the Department of Electrical and Computer Engineering, and
- WHEREAS, the three departments named above have all approved the offering of 4+1 Bachelors/MSDS options for all of their undergraduate majors, and
- WHEREAS, the executive committee of the MSDS has approved the offering of 4+1 Bachelors/MSDS options for all of those undergraduate majors, and
- WHEREAS, students in the program can be expected to pay for their courses of study, which will generate revenue for the university; be it therefore
- RESOLVED, that the Faculty Senate recommends approval of the establishment of 4+1 Bachelors/MSDS degree for all of the Bachelors degrees offered by the following departments:

From Mathematical Sciences, there are 8 majors, and all 8 have an honors version. The 16 undergraduate majors are:

- Actuarial Sciences (BS);
- Applied Mathematics (BS);
- Mathematics (BA);
- Mathematics (BS);
- Mathematics and Economics (BS);
- Mathematics Education (BA);
- Mathematics Education (BS);
- Quantitative Biology (BS);
- Honors Actuarial Sciences (HBS);
- Honors Applied Mathematics (HBS);
- Honors Mathematics (HBA);
- Honors Mathematics (HBS);
- Honors Mathematics and Economics (HBS);
- Honors Mathematics Education (HBA);
- Honors Mathematics Education (HBS);
- Honors Quantitative Biology (HBS).

CIS has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Science (BS);
- Computer Science (BA);
- Information Systems (BS);
- Honors Computer Science (HBS);
- Honors Computer Science (HBA);
- Honors Information Systems (HBS).

ECE has approved the following bachelor options to be combined with the MSDS, and each has an honors option:

- Computer Engineering (BCE);
- Electrical Engineering (BEE);
- Honors Computer Engineering (HBCE);
- Honors Electrical Engineering (HBEE);

Undergraduate Proposals

College of Business and Economics

71. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee

(Chris Williams, Chair) for the **revision to the BS in Entrepreneurship and Name Change to the Major**

- WHEREAS, the addition of courses has broadened the focus of the major to include several distinct flavors of entrepreneurship; and
- WHEREAS, a name change will eliminate the potential to view the curriculum for the major as narrowly focused on technology innovation; and
- WHEREAS, the name change has the support of the Undergraduate Studies Committee; be it therefore
- RESOLVED, that the Faculty Senate approves a name change for the B.S. in Entrepreneurship and Technology Innovation to the B.S. in Entrepreneurship.

College of Health Sciences

72. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **disestablishment of the Sports Health Honors (HBS)**

- WHEREAS, during the 2017-18 curriculum cycle, the Athletic Training (BS) major was revised and renamed the Sports Health (BS) major, and
- WHEREAS, the Athletic Training Honors Bachelor of Science major was automatically renamed the Honors Bachelor of Science in Sports Health major without thorough review and discussion, and
- WHEREAS, most students in the Sports Health (BS) major will pursue the 3+2 BS/MS in Sports Health/Athletic Training and will be taking masters degree courses during their fourth year in the program and will be unable to complete their honors capstone during their final two semesters before they receive their undergraduate degree, which makes completing the honors degree a challenge if not impossible; be it therefore
- RESOLVED, that the Faculty Senate recommends the deactivation of the Honors Bachelor of Science degree in Sports Health.

College of Earth, Ocean, and Environment

73. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **establishment of a BS in GIScience and Environmental Data Analytics with a Shared Core and Concentrations**

WHEREAS, the demand for data scientists and advance analysts are projected to grow at 15% over the next five years, adding approximately 364,000 new jobs over and above the 2.35M currently listed (according “The Quant Crunch: How the demand for data science skills is disrupting the job market”), and

WHEREAS, the US Department of Labor and Statistics also forecasts a higher than average job growth for data scientists and geospatial scientists, with O•Net, a website that aggregates US Department of Labor information, reporting that geospatial information scientists and technologists have a median annual wage (2016) of \$86,510, and

WHEREAS, the program gives students the requisite skills in mathematics, computer science, and geography and complements these skills with a topical concentration to leverage both technical competence and topical expertise to maximize the flexibility of training through interdepartmental and college cooperation, and

WHEREAS, the program would furnish competitive graduates for those high-in-demand spatial data science and analytics jobs, and

WHEREAS, the proposed program would contribute to a strategic initiative in data science at the university and be aligned with the Data Science Institute, be it therefore

RESOLVED, that the Faculty Senate recommends provisional for five years the approval of the establishment of the new Bachelor of Science with a major in GIScience and Environmental Data Analytics degree with the following concentrations:

- Cybersecurity Concentration**
- Data Mining Concentration**
- Environmental Data Science Concentration**
- Management Information Systems Concentration**
- Remote Sensing Concentration**

Graduate Proposals

College of Agriculture and Natural Resources

74. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a request to **establish a MS in Microbiology**

WHEREAS, the proposed *Master's of Science in Microbiology* provides a new interdisciplinary graduate course of study that highlights the importance of systems-based approaches to solving critical, timely issues surrounding the contributions of microbes to human, animal, plant and environmental health, and

WHEREAS, the proposed *Master's of Science in Microbiology* will allow students a well-rounded understanding in microbiological research, including informatics and data analysis approaches, as well as the development of expertise in an area of study involving Applied Microbiology, Host-Microbe Interactions, Environmental Microbiology, or Microbiology Physiology and Genetics, and

WHEREAS, the proposed program builds upon the research strength, education resources and research infrastructure from Departments across the Colleges of Agriculture & Natural Resources, Arts & Sciences, Engineering, Earth, Ocean & Environment, and Health Sciences, and

WHEREAS, the proposed program contributes to the scholarly and educational missions of the University—to increase and disseminate scientific, humanistic, and social knowledge for the benefit of the larger society and to produce graduates who are prepared to make meaningful contributions towards safeguarding human, plant, animal and environmental health globally and locally, and

WHEREAS, the proposed program fosters interdisciplinary research and educational collaboration across campus, providing a critical component to University's Grand Challenges in environment, life and health sciences, and serving as a pillar of UD's *Delaware Will Shine*, be it therefore

RESOLVED, that the Faculty Senate approves provisionally, for five years, the establishment of a new program leading to the *Master's of Science in Microbiology* effective September 1, 2019.

75. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a request to **establish a PhD in Microbiology**

WHEREAS, the proposed *Doctor of Philosophy in Microbiology* provides a new interdisciplinary graduate course of study that highlights the importance of systems-based approaches to solving critical, timely issues surrounding the contributions of microbes in human, animal, plant and environmental health, and

WHEREAS, the proposed *Doctor of Philosophy in Microbiology* will allow students a well-rounded depth and breadth of understanding in microbiological research, including informatics and data analysis approaches, as well as the development of expertise in an area of study involving Applied Microbiology, Host-Microbe Interactions, Environmental Microbiology, or Microbiology Physiology and Genetics, and

WHEREAS, the proposed program builds upon the research strength, education resources and research infrastructure from Departments across the Colleges of Agriculture & Natural Resources, Arts & Sciences, Engineering, Earth, Ocean & Environment, and Health Sciences, and

WHEREAS, the proposed program contributes to the scholarly and educational missions of the University—to increase and disseminate scientific, humanistic, and social knowledge for the benefit of the larger society and to produce graduates who are prepared to make meaningful contributions towards safeguarding human, plant, animal and environmental health globally and locally, and

WHEREAS, the proposed program fosters interdisciplinary research and educational collaboration across campus, providing a critical component to University's Grand Challenges in environment, life and health sciences, and serving as a pillar of UD's *Delaware Will Shine*, be it therefore

RESOLVED, that the Faculty Senate approves provisionally, for five years, the establishment of a new program leading to the *Doctor of Philosophy in Microbiology* effective September 1, 2019.

[College of Arts and Sciences](#)

76. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **establishment of a new PhD in Engineering and Public Policy**

WHEREAS, the Department of Civil and Environmental Engineering in the College of Engineering and the School of Public Policy and Administration in the College of Arts and Science offer successful PhD programs in Civil Engineering and Public Policy, and

WHEREAS, several graduates, and employers have expressed an interest in research and education at the intersection of Engineering and Public Policy, and

WHEREAS, the Department of Civil and Environmental Engineering and the School of Public Policy and Administration has proposed a PhD Program in Engineering and Public Policy., and

WHEREAS, the existing PhD programs in Civil and Environmental Engineering and Public Policy and Administration already provides a majority of all the courses and administrative framework for such a degree, and

WHEREAS, the proposed program contributes to the University's goals; be it therefore

RESOLVED, that the Faculty Senate recommends provisionally for seven years the approval of the establishment of a PhD in Engineering and Public Policy.

77. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a **request to Change the Name of the Foreign Languages and Pedagogy MA to MA in Languages, Literatures, Cultures and Pedagogy**

WHEREAS, the Department has changed its name in 2014 from Dept. of Foreign Languages and Literatures to Dept. of Languages, Literatures, Cultures, and

WHEREAS, the Departmental MA Programs in Foreign Languages and Literatures have changed their names to MA Programs in Languages, Literatures and Cultures, and

WHEREAS, the proposed program name change is aligned with the Departmental and other program name changes, and

WHEREAS, the proposed program name change is in accordance both with national trends and the Mission of the Department and University, be it therefore

RESOLVED, that the Faculty Senate recommends the name of the MA in Foreign Languages and Pedagogy with MA be changed to MA in Languages, Literatures, Cultures and Pedagogy.

78. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a request to **Change the Name of the PhD in Psychology to Psychological and Brain Sciences**

WHEREAS, the Department of Psychological and Brain Sciences (PBS) in the College of Arts and Sciences has offered a PhD in Psychology with concentrations in either Behavioral Neuroscience, Clinical Science, Cognitive Psychology, or Social Psychology, and

WHEREAS, PBS has proposed to rename this to a PhD in Psychological and Brain Sciences with concentrations in either Behavioral Neuroscience, Clinical Science, Cognitive Psychology, or Social Psychology, as this name is more consistent with the goal of our training program and reflective of our departmental name change, and

WHEREAS, the existing graduate program in PBS already provides all the courses and administrative framework for our degrees, be it therefore

RESOLVED, that the Faculty Senate recommends approval for the degree name change to the PhD in Psychology to Psychological and Brain Sciences.

79. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty

Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a **new Graduate Certificate in Developmental Processes**

- WHEREAS, the Department of Psychological and Brain Sciences (PBS) in the College of Arts and Sciences has offered a successful program for the PhD with concentrations in either Behavioral Neuroscience, Clinical Science, Cognitive Psychology, or Social Psychology, and
- WHEREAS, PBS has proposed a Developmental Processes Certificate, which will serve as a catalyst for matriculated doctoral students in PBS to structure their electives to promote study in a cross-disciplinary/cross-area theme of developmental processes within the PBS department, and
- WHEREAS, the existing graduate program in PBS already provides all the courses and administrative framework for such a certificate, and
- WHEREAS, the proposed certificate contributes to one of the milestones on the University's "path to prominence" to achieve excellence in professional education; be it therefore
- RESOLVED, that the Faculty Senate recommends provisionally for five years the approval of the establishment of a Developmental Processes Certificate in PBS.

80. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a **new Graduate Certificate in Quantitative Analysis Certificate**

- WHEREAS, the Department of Psychological and Brain Sciences (PBS) in the College of Arts and Sciences has offered a successful program for the PhD with concentrations in either Behavioral Neuroscience, Clinical Science, Cognitive Psychology, or Social Psychology, and
- WHEREAS, PBS has proposed a Quantitative Analysis Certificate, which will serve as a catalyst for matriculated doctoral students in PBS to structure their coursework to promote training in quantitative analysis across the four major training areas within the PBS department, and
- WHEREAS, the existing graduate program in PBS already provides all the courses and administrative framework for such a certificate, and

WHEREAS, the proposed certificate contributes to one of the milestones on the University's "path to prominence" to achieve excellence in professional education; be it therefore

RESOLVED, that the Faculty Senate recommends provisionally for five years the approval of the establishment of a Quantitative Analysis Certificate in PBS.

81. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a **new Graduate Certificate in Social, Cognitive, and Affective Neuroscience (SCAN)**

WHEREAS, the Department of Psychological and Brain Sciences (PBS) in the College of Arts and Sciences has offered a successful program for the PhD with concentrations in either Behavioral Neuroscience, Clinical Science, Cognitive Psychology, or Social Psychology, and

WHEREAS, PBS has proposed a Social, Cognitive, and Affective (SCAN) Certificate, which will serve as a catalyst for matriculated doctoral students in PBS to structure their electives to promote study in a cross-disciplinary/cross-area theme of SCAN within the PBS department, and

WHEREAS, the existing graduate program in PBS already provides all the courses and administrative framework for such a certificate, and

WHEREAS, the proposed certificate contributes to one of the milestones on the University's "path to prominence" to achieve excellence in professional education; be it therefore

RESOLVED, that the Faculty Senate recommends provisionally for five years the approval of the establishment of a SCAN Certificate in PBS.

82. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a **new Graduate Certificate in Community Engagement**

WHEREAS, The Office of Graduate and Professional Education (OGPE), and the Community Engagement Initiative (CEI), a program of the Office of the Provost, in collaboration with The Graduate Student

Government (GSG) propose a university-wide Graduate Community Engagement Certificate.

- WHEREAS, This rigorous certificate is consistent with the priorities in the university's [Civic Action Plan](#) and in its mission statement that declares "University graduates are prepared to contribute to a global society that requires leaders with creativity, integrity, and a dedication to service"; be it therefore
- RESOLVED, that the Faculty Senate recommends the approval of the establishment of a Graduate Community Engagement Certificate

College of Earth, Ocean, and Environment

83. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for a **new Minerals, Materials and Society Graduate Certificate**

WHEREAS, the Department of Geography (GEOG) in the College of Earth, Ocean and Environment and the College of Arts and Sciences (CAS) is offering a graduate certificate program titled *Minerals, Materials and Society*, offering students the ability to link science and policy around extractive supply chains and address timely issues facing all consumer industries of minerals and extractives, and

WHEREAS, the need to address growing concerns over rare mineral scarcity for green energy technologies, as well conflict mineral legislation and supply chain transparency issues pertaining to a broad array of precious metals and minerals for electronics and luxury products, there is a growing demand for education on the science and policy of economically important minerals, and

WHEREAS, the College of Arts and Sciences and the Department of Geography is proposing the graduate certificate in *Minerals, Materials and Society* which will offer much needed education for students looking to gain the skills necessary to fill positions related to sustainability, responsible sourcing and supply chain transparency in extractives, energy and other corporate social responsibility arenas including the role of Chief Sustainability Officer, and

WHEREAS, GEOG, GEOL and other departments and colleges across campus have committed curricula to the program, and

WHEREAS, the proposed graduate certificate contributes to achieve excellence in professional education; be it therefore

RESOLVED, that the Faculty Senate recommends provisionally for five years the approval of the establishment of a new graduate certificate in *Minerals, Materials and Society*.

College of Education and Human Development

84. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request for Permanent Approval of the MED in Teacher Leadership**

WHEREAS, the Master of Education in Teacher Leadership was provisionally approved on April 8, 2013, and

WHEREAS, the program serves the State of Delaware and nation by preparing teachers to take on leadership roles in their schools, districts, and professional organizations, and

WHEREAS, interest and enrollment in the online M.Ed. in Teacher Leadership has been steady over the past five years, and

WHEREAS, the program has received full support of the SOE faculty, and

WHEREAS, at the end of the provisional period a review team recommended that the Master of Education in Teacher Leadership be granted permanent status, be it therefore

RESOLVED, that the Faculty Senate recommend that the Master of Education in Teacher Leadership be granted permanent status effective Fall 2019.

College of Health Sciences

85. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request Permanent Status of Speech Language Pathology – New Name is Communication Sciences and Disorders MA**

WHEREAS, On October 7, 2013, the Faculty Senate approved the provisional establishment of a M.A. in Speech-Language Pathology, and

WHEREAS, there continues to be a well-documented need for speech-language pathologists serving Delaware residents in schools, and also in clinics serving Delawareans across the lifespan, and with the nation-wide demand for these professionals projected to grow by 18% between 2016 and 2026 by the U.S. Bureau of Labor Statistics, and

WHEREAS, the M.A. in Speech-Language Pathology in the College of Health Sciences has demonstrated its ability to recruit, retain, and graduate high caliber of M.A. students, and

WHEREAS, the program is benefitted by the expanded state-of-the-art clinical, teaching and research facilities in the UD Health and Tower at STAR buildings, be it therefore

RESOLVED, that the Faculty Senate recommends permanent approval for the M.A. in Speech-Language Pathology Program.

86. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request Permanent Status of the PhD in Medical Sciences**

WHEREAS, the Doctor of Philosophy (PhD) in Medical Sciences was provisionally approved for seven years in 2012 and is due for Permanent Status Program Review (PSPR), and

WHEREAS, the program's enrollment has grown and remained steady with all students receiving support in the form of assistanceships or fellowships, and

WHEREAS, graduates of the program have successfully obtained post-doctoral positions in industry, be it therefore

RESOLVED, that the Faculty Senate approves granting permanent status of the PhD in Medical Sciences

87. Recommendation from the Faculty Senate Committee on Graduate Studies (Wei-Jun Cai, Chair and Deb Jaisi Co-Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **request to establish a PhD in Epidemiology**

WHEREAS, the Program in Epidemiology (EPID) in the College of Health Sciences has successfully initiated a new program for training students with a master of public health in epidemiology, and

WHEREAS, Epidemiology as a field has a significant shortage of qualified research doctoral level individuals who can conduct epidemiologic research, and

WHEREAS, Epidemiology has assembled a nationally recognized faculty who are qualified to train students in research in epidemiology and has funding, adequate research space, and staff to support a doctoral program; be it therefore

RESOLVED, that the Faculty Senate recommends provisionally for seven years the approval of the establishment of a Doctor of Philosophy degree in Epidemiology.

Resolutions – No curriculum log in required

88. Recommendation from the Faculty Senate Committee on Rules (Alan Fox, chair) with the concurrence of the Executive Committee (Chris Williams, Chair) for the request to **approve the Senate Meeting dates for 2019-2020**

WHEREAS, Section V. of the Senate Bylaws was amended in February 2016 to create a new inclusive process for determining and changing Senate meeting dates, and

WHEREAS, the Rules Committee is tasked with preparing a list of dates for the 2019 – 2020 academic year to be voted on by the Faculty Senate in May, be it therefore

RESOLVED, that the following dates are put forward by the Rules Committee for Senate meetings:

September 9, 2019
October 7, 2019
November 4, 2019
December 9, 2019
February 10, 2020
March 2, 2020
April 6, 2020
May 4, 2020

89. Recommendation from the Faculty Senate Committee on Student Life (Kristin Wiens, Chair) for the request to **approve the 2019-2020 Residence Life plans** ([FY program plan clean copy](#)) ([FY program plan redline](#)) ([UpD program plan clean copy](#)) ([UpD program plan redline](#))

WHEREAS, faculty review of any residential program involving students is a required function of the University Faculty Senate, and

WHEREAS, the Student Life Committee of the Faculty Senate have reviewed and recommend approval of the residential program proposed by the Office of Residence Life for the academic year 2019-2020, be it therefore

RESOLVED, that the Faculty Senate of the University of Delaware recommends for approval the attached Office of Residence Life residential program for 2019-2020.

90. Recommendation from the Faculty Senate Executive Committee (Chris Williams, Chair) for a **revision to the Constitution of the Faculty of the University of Delaware and the Faculty Handbook - 1.1 Section IV** ([Attachment 1](#))

WHEREAS, the Senate voted to establish a Graduate College, and

WHEREAS, there are restrictions on administrative seats, be it therefore

RESOLVED, that the Faculty Senate recommends revising the constitution as described in [Attachment 1](#)

91. Recommendation from the Faculty Senate Committee on Rules (Alan Fox, Chair) for a **revision to the Constitution of the Faculty of the University of Delaware Section IV.1 and the Faculty Handbook Section 1.1** ([Attachment 1](#))

WHEREAS, for many years the President of the University Faculty Senate has been an *ex officio* voting member of the AAUP-UD's Steering Committee, which has 28 voting members, and

WHEREAS, the University Faculty Senate's President is able to represent the concerns of the University Faculty Senate in meetings of the AAUP-UD's Steering Committee, and

WHEREAS, it seems equally appropriate for the AAUP-UD President, who is elected to that position by university faculty, to be a voting member of the University Faculty Senate, which has about 75 voting members, including 12 unelected administrators, and

WHEREAS, many matters that come before the University Faculty Senate include those also covered by the *Collective Bargaining Agreement*, so it would be beneficial for the concerns of the AAUP-UD's Executive Council to be represented officially in the University Faculty Senate, be it therefore

RESOLVED, that Section IV.1 of the University Faculty Constitution be amended to include in the list of senators "the elected President of the University of Delaware Chapter of the American Association of University Professors" as stipulated in [Attachment 1](#).

92. Recommendation from the Faculty Senate Committee on Committees and Nominations (Amy Johnson, Chair) with the concurrence of the Executive Committee (Chris Williams, Chair) for the **revision to the Charge of the Faculty Senate Committee on International Studies** ([Attachment 1](#))

WHEREAS, the International Studies Committee has not met in four years because it no longer had any meaningful duties, be it therefore

RESOLVED, that the International Studies Committee charge be revised as stipulated in [Attachment 1](#)

93. Recommendation from the Faculty Senate Committee on Student Life (Kristin Wiens, Chair) with the concurrence of the Executive Committee (Chris Williams, Chair) for the **revision to the Charge of the Faculty Senate Committee on Student Life** ([Attachment 1](#))

WHEREAS, the Faculty Senate Committee on Student Life charge has not been revised since 1988; and

WHEREAS, the existing charge requires clarification regarding the role of the committee in the care, control, government and discipline of students; and

WHEREAS, several functions listed in the existing charge are obsolete; therefore, be it

RESOLVED, that the charge of the Committee on Student Life be revised as in [Attachment 1](#).

94. Recommendation from the Faculty Senate Committee on Student Life (Kristin Wiens, Chair) with the concurrence of the Executive Committee (Chris Williams, Chair) for a **revision to the Faculty Handbook 3.1.13 Concerning Excused Absences for Mental Health** ([Attachment 1](#))

WHEREAS, mental health is increasingly acknowledged to be a growing issue for student health, be it therefore

RESOLVED, that the Faculty Senate recommends revision be made to Faculty Handbook 3.1.13 as stipulated in [Attachment 1](#)

95. Recommendation from the Faculty Senate Committee on Faculty Welfare and Privileges (John Madsen, Chair) for a **revision to the Faculty Handbook Section 4.2.3 Distribution of Published Materials on Campus** ([Attachment 1](#))

WHEREAS, section 4.2.3 of the Faculty Handbook provides policies regulating the distribution of published material on campus, and

WHEREAS the six policies enumerated in the section are not clearly presented, and

WHEREAS section 4.2.3 does not presently provide a clear definition of “published material”, and
WHEREAS clearly presenting the six policies and providing a clear definition of “published materials” would result in 4.2.3 being better integrated with the rest of the Faculty Handbook; be it therefore
RESOLVED that [Attachment 1](#) be added to the Faculty handbook 4.2.3.

96. Recommendation from the Faculty Senate Committee on Undergraduate Studies (Brian Hanson, Chair) with the concurrence of the Faculty Senate Coordinating Committee on Education (Matt Robinson, Chair) and the Executive Committee (Chris Williams, Chair) for the **approval of the University of Delaware’s Grade Forgiveness Policy** ([attachment 1](#)) ([attachment](#))

WHEREAS, While the University of Delaware admits students with a high probability of succeeding at UD, based on their previous academic success, a significant number of students face problems with grades during their early semesters at UD, and

WHEREAS, Early missteps are a permanent part of the UD GPA, sometimes creating GPA deficits sufficient to cause retention issues, and

WHEREAS, Having some kind of grade forgiveness policy is more common than not among our comparator institutions, potentially putting our students at a competitive disadvantage, be it therefore

RESOLVED, that the Undergraduate Catalog page entitled Delaware’s Grading System, in the section entitled Cumulative Grade Point Index (GPA) (<https://catalog.udel.edu/content.php?catoid=18&navoid=1235#cumulative-grade-point-index-gpa->) be revised, and a new subsection be added immediately following, as shown in [attachment 1](#), to implement a limited grade forgiveness policy for undergraduates at the University of Delaware.

97. Recommendation from the Faculty Senate Promotions and Tenure Committee (Mark Mirotznik, Chair) with the concurrence of the Executive Committee (Chris Williams, Chair) for a **revision to the Faculty Handbook Section 4.4.11 Promotion Dossiers – Concerning Work at Rank** ([Attachment 1](#))

WHEREAS, there is significant confusion, especially among junior faculty, regarding what work counts in promotion and tenure decisions, and

WHEREAS, this has arisen because the Faculty Handbook says that “promotion to the rank of associate professor generally cannot be based on work completed in earning the doctorate or other appropriate terminal degree or post doctorate work prior to arrival at the University of Delaware” (4.4.11.E), and

WHEREAS, in some disciplines, it is standard practice that research initiated during the doctoral program or postdoctoral appointment is continued as an assistant professor. In other areas, it is common that researchers may spend years evaluating major datasets that were collected during the doctoral/postdoctoral stage, be it therefore

RESOLVED, the following revision to the Faculty Handbook 4.4.11.E be made per [Attachment 1](#)

98. Recommendation from the Faculty Senate Promotions and Tenure Committee (Mark Mirotznik, Chair) and Faculty Welfare and Privileges (John Madsen, Chair) with the concurrence of the Executive Committee (Chris Williams, Chair) for a **revision to the Faculty Handbook Section 4.3.5 Evaluation of Faculty** ([Attachment 1](#))

WHEREAS, the Faculty Handbook language explaining the reason and logistics for the peer review process was vague and confusing, and

WHEREAS, the Provost’s Tenure Track Commission Report recommended revision of this section; be it therefore

RESOLVED, that the Faculty Handbook 4.3.5 Peer Reviewed Section be revised as stipulated in [Attachment 1](#).

99. Recommendation from the Faculty Senate Committee on Faculty Welfare and Privileges (John Madsen, Chair) and the Executive Committee (Chris Williams, Chair) for a **revision to the Faculty Handbook Section 4.2.1 Academic Freedom** ([Attachment 1](#))

WHEREAS, academic freedom is indispensable to effective teaching, excellent research and scholarship, and shared governance, and

WHEREAS, section 4.2.1 is not clear, or as inclusive on matters relevant to academic freedom as it should be, be it therefore

RESOLVED, that the revisions in [Attachment 1](#) be added to the Faculty Handbook, section 4.2.1.

X. Introduction of New Business:

Such items as may come before the Senate. (No motion introduced under new business, except a motion to refer to committee, shall be acted upon until the next meeting of the Senate.)