



University Council

February 9, 2024

UNIVERSITY CURRICULUM COMMITTEE – 2023-2024

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Graduate School – Rodney Mauricio

Ex-Officio – Provost S. Jack Hu

Undergraduate Student Representative – Gabriella Lewis

Graduate Student Representative – Kelsey Wohlford

Dear Colleagues:

The attached proposal from the College of Engineering for a new prefix, AERO, Aerospace Engineering, will be an agenda item for the February 16, 2024, Full University Curriculum Committee meeting.

Sincerely,

Susan Sanchez, Chair

cc: Provost S. Jack Hu

Dr. Marisa Pagnattaro



Date: August 21, 2023

School/College/Unit: College of Engineering

Department/Division: School of Environmental, Civil, Agricultural and Mechanical Engineering

New Prefix Requested: AERO, Aerospace Engineering

CIP: 14020100

Proposed Effective Date: Spring 2024

The School of Environmental, Civil, Agricultural, and Mechanical Engineering (ECAM) was formed in 2017 as part of the College of Engineering and all undergraduate engineering programs were approved by the Board of Regents in 2012.

The creation of a new course prefix, AERO, Aerospace Engineering, would facilitate the expansion of the current engineering programs to include aerospace engineering courses in the School of ECAM. The development of a new prefix would allow the School to meet the demand for more specialized courses related to aerospace engineering from students and the aerospace industries within the state of Georgia and beyond. Identifying aerospace engineering courses with their own prefix will better enable students to gain employment opportunities related to aerospace technologies with companies in Georgia (including Gulfstream Aerospace, Boeing, Delta Airlines, Lockheed Martin, SpaceX, Northrop Grumman, the Department of Defense, Textron, Rockwell Collins Aerospace, and others) and beyond.

Once the AERO prefix is approved, the following courses will be proposed through CAPA for approval and an Aerospace Engineering certificate will be considered.

- AERO 2990, Aerospace Systems Engineering
- AERO 4825, Aerospace Design and Optimization (3 hours)
 - *Course change from ENGR 4825/6825, Aerospace Design and Optimization*
- AERO 4810, Aerodynamics and Wind Tunnel Testing
- AERO 4820, Aerospace Propulsion and Power
- AERO 4830, Aerospace Structures and Materials
- AERO 4975, Independent Study in Aerospace Engineering
- AERO 4930, Aerospace Performance and Control
- AERO 4910, Aerospace Capstone Design I
- AERO 4911, Aerospace Capstone Design II
- AERO 4275, Advanced Control Systems (3 hours)
 - *Course change from ELEE 4275/6275, Advanced Control Systems*

Documentation of Approval and Notification

Proposal: Course prefix, AERO, Aerospace Engineering

College: College of Engineering

Department: School of Environmental, Civil, Agricultural, and Mechanical Engineering

Proposed Effective Term: Spring 2024

Approvals:

- School of Environmental, Civil, Agricultural, and Mechanical Engineering School Chair, Dr. Bjorn Birgisson, 8/23/2023
- College of Engineering Associate Dean for Academic Affairs and Assessment, Dr. Ramaraja Ramasamy, 10/30/2023
- College of Engineering Dean, Dr. Donald Leo, 10/30/2023