Resolution 2017-18.K
Resolution to Approve New Major, Machine Learning, in Bachelor of Science in Computer Engineering

Recommended by the Commission on Undergraduate Studies and Policies

First Reading: February 26, 2018
Reviewed/ Waived by Faculty Senate:
Second Reading:

Approved by University Council:
Approved by President:

First effective date to declare Major: Spring 2018
First effective date to graduate: Winter 2020

Whereas, a well-established number of faculty in the Electrical and Computer Engineering Department (ECE) in the College of Engineering have international reputation, active research agendas, outreach activities, and teaching responsibilities in the areas of Machine Learning; and

Whereas, the ECE Department has a well-established and broad set of technical elective courses that provide students with the opportunity to gain further knowledge and experience in many different aspects of Electrical and Computer Engineering, and the new Major in Machine Learning establishes a required set of courses of the Machine Learning area while maintaining a robust curriculum within the same accredited Computer Engineering Degree; and

Whereas, a strong number of students continue to select Machine Learning technical elective courses indicating a continued interest in the studies of Machine Learning; and

Whereas, the establishment of the Major in Machine Learning enables the ECE Department and the interested students to more clearly guide and establish educational objectives that align with societal, industrial and governmental needs; and

Whereas, Machine Learning studies prepares students for a wide range of advanced degree studies, or makes them more marketable with potential employers seeking students with this specific knowledge; and

Whereas, the Major in Machine Learning will provide for more curricular flexibility and specialization within the ECE Department, as well as a wider opportunity to participate in cross-disciplinary initiatives across the university.

Therefore, let it be resolved that the Major in Machine Learning be approved for addition to the Bachelor of Science in Computer Engineering effective Spring 2018 and the proposal forwarded through University governance and the President for approval.