

Resolution 2019-2020.G

Resolution to Approve New Major, Secure Computing, in Bachelor of Science in Computer Science

Recommended by the Commission on Undergraduate Studies and Policies

First Reading:

November 11, 2019

Second Reading:

Faculty Senate:

Staff Senate:

Graduate Student Assembly:

Student Government Association:

Approved by University Council:

Approved by the President:

First Effective Date to Declare Major: Spring 2020

First Effective Date to Graduate: Winter 2021

WHEREAS, student enrollments in computer science have been growing nation-wide over the past decade, with Bachelor of Science in Computer Science undergraduate enrollments tripling during this period; and

WHEREAS, public awareness of cybercrime and security vulnerability of computing systems has grown dramatically; and

WHEREAS, cybersecurity is now a primary concern in nearly every field, including health care, finance, manufacturing, retail, and more; and

WHEREAS, major companies in every sector are potentially vulnerable to computer security threats, and there has been a huge increase in demand for well-trained computing security professionals; and

WHEREAS, job reports indicate that cybersecurity job openings are growing three times faster than information technology jobs overall; and

WHEREAS, a Secure Computing major will provide an opportunity for students to develop both the comprehensive background in computer science necessary to design and develop complex software systems and an understanding of the software security principles necessary to operate as a secure computing professional.

THEREFORE BE IT RESOLVED that the major in Secure Computing be approved for addition to the Bachelor of Science in Computer Science effective Spring 2020 and the proposal forwarded to the President for Approval.