Resolution 2019-2020.F
Resolution to Approve New Major, Data-Centric Computing, in Bachelor of Science in
Computer Science

Recommended by the Commission on Undergraduate Studies and Policies
First Reading: November 11, 2019
Second Reading: December 9, 2019
Waived Right to Comment by Faculty Senate: November 20, 2019
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, data science is emerging as a field that is revolutionizing science and industries
alike; and

WHEREAS, the use of big data in increasingly significant ways in virtually all business sectors
is placing a premium on future employees who have studied the techniques necessary to combine
and sift through data sources, plan algorithms to identify patterns or trends in noisy data, and
develop robust computing solutions to modern analytics problems; and

WHEREAS, students who combine the strengths of a deep understanding of computer science
with specialized study in data science, data analytics, data management, and data privacy are
uniquely positioned to take advantage of growing employment opportunities in this area; and

WHEREAS, a Data-Centric 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 statistical techniques for data
summarization and pattern identification commonly employed in data-driven decision making
across disciplines.

THEREFORE BE IT RESOLVED that the major in Data-Centric 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.