ASACR 6

Office of the President
May 4, 2021

Members, Board of Trustees:

<u>ACADEMIC DEGREE RECOMMENDATION:</u>
<u>COLLEGE OF ENGINEERING</u>

<u>Recommendation</u>: that the Board of Trustees approve the establishment of a Bachelor of Science degree with a major in Computer Engineering Technology, in the Department of Engineering Technology, within the College of Engineering, beginning in the 2021 Fall Semester.

<u>Background</u>: The proposed program offers a curriculum designed to provide in-depth knowledge of hardware and software design, development, applications and maintenance with a mix of both classroom and laboratory experiences that are in-demand by industry. The program is designed as a feeder-completer program in which students earn an Associate in Applied Sciences degree in Computer Engineering Technology (CPT) from the Bluegrass Community and Technical College (BCTC) and then a Bachelor of Science degree in CPT from UK. In this arrangement, UK will only offer Junior and Senior level coursework.

The proposed program is designed to respond to shortages in critical manufacturing skills within the state. In addition to the collaboration with BCTC, the proposed program will incorporate industry partnerships to provide students with the needed industrial experiences and applications to be career-ready. The program will prepare students for careers in creative industrial design, production and service and specifically for jobs such as embedded software technologist, computer support specialist, automation engineer and network administrator.

Projected steady state enrollment is 145 students.

The program has the approval of the appropriate councils and the University Senate. The provost of the university supports this recommendation. Pending approval by the Board of Trustees, the program will begin the review process of the Council on Postsecondary Education.

Action taken: ☑ Approved   ☐ Disapproved   ☐ Other_____