LUMPKIN COLLEGE OF BUSINESS AND APPLIED SCIENCES
EXECUTIVE ACTION REQUEST

TO: Council on Graduate Studies

FROM: Dr. Austin Cheney, Dean, Lumpkin College of Business and Technology

DATE: 12/13/2022

ACTION REQUESTED: Addition of listed course (TEC 5873) to the Computer Technology certificate.

RATIONALE:
An additional new course (TEC 5873) has been added to the graduate program within the School of Technology. We are proposing to add this new course to the Computer Technology certificate as an additional elective.

EFFECTIVE DATE: (i.e.: Fall 20XX, Spring 20XX): Spring 2023

CURRENT CATALOG COPY:

6 semester hours from the following list:

Other special topics ODL 4850, TEC 4970 and TEC 5970 courses as approved by the academic advisor.

- Data Acquisition. Credits: 3
- PLC and Robotics. Credits: 3
- Advanced 3D Modeling. Credits: 3
- Data Acquisition and Data Communication. Credits: 3
- Automatic Identifications. Credits: 3
- Microcomputer Interfacing and Control Systems. Credits: 3
- Microcomputer Interfacing and Data Acquisition. Credits: 3
- Advanced Computer Integrated Manufacturing. Credits: 3
- DGT 4814 - Digital Media Strategy Credits: 3
- TEC 5523 - Systems Simulation. Credits: 3
- DGT 4823 - Web Content Management Systems Credits: 3
- DGT 4833 - Web Search Engine Optimization Credits: 3
- DGT 4923 - Emerging Web Technologies Credits: 3
- TEC 5353 - Cybersecurity Credits: 3
- TEC 5363 - Database Security and Reliability Credits: 3
- TEC 5373 - Java Application in Technology Credits: 3
- TEC 5383 - Advanced Web Technologies Credits: 3
- TEC 5413 - Biometric Security Credits: 3
- TEC 5823 - Big Data – Map Reduce Credits: 3
- TEC 5853 - System Analysis & Design Credits: 3
- TEC 5863 - Advanced Cloud Computing Credits: 3
- TEC 5980 - Industrial Internship in the Technologies. Credits: 1 to 10
- TEC 5990 - Independent Study Credits: 1 to 6

PROPOSED CATALOG COPY:

6 semester hours from the following list:

Other special topics ODL 4850, TEC 4970 and TEC 5970 courses as approved by the academic advisor.

- Data Acquisition. Credits: 3
- PLC and Robotics. Credits: 3
- Advanced 3D Modeling. Credits: 3
- Data Acquisition and Data Communication. Credits: 3
- Automatic Identifications. Credits: 3
- Microcomputer Interfacing and Control Systems. Credits: 3
- Microcomputer Interfacing and Data Acquisition. Credits: 3
- Advanced Computer Integrated Manufacturing. Credits: 3
- DGT 4814 - Digital Media Strategy Credits: 3
- TEC 5523 - Systems Simulation. Credits: 3
- DGT 4823 - Web Content Management Systems Credits: 3
- DGT 4833 - Web Search Engine Optimization Credits: 3
- DGT 4923 - Emerging Web Technologies Credits: 3
- TEC 5353 - Cybersecurity Credits: 3
- TEC 5363 - Database Security and Reliability Credits: 3
- TEC 5373 - Java Application in Technology Credits: 3
- TEC 5383 - Advanced Web Technologies Credits: 3
- TEC 5413 - Biometric Security Credits: 3
- TEC 5823 - Big Data – Map Reduce Credits: 3
- TEC 5853 - System Analysis & Design Credits: 3
- TEC 5863 - Advanced Cloud Computing Credits: 3
- **TEC 5873 – Programming for Data Science in Technology Credits: 3**
- TEC 5980 - Industrial Internship in the Technologies. Credits: 1 to 10
- TEC 5990 - Independent Study Credits: 1 to 6

http://www.eiu.edu/~eiucaa/CAABylaws.pdf