

**LUMPKIN COLLEGE OF BUSINESS AND TECHNOLOGY
EASTERN ILLINOIS UNIVERSITY**

TO: Council on Graduate Studies

FROM: Dr. Austin Cheney, Dean

ACTION REQUESTED:

Change to the Cybersecurity Certificate name to Data Security and Science Certificate

EFFECTIVE DATE:

Fall 2022

Request and rationale from department included.

**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: February 18, 2022

ACTION REQUESTED: Title change for the Graduate Certificate in Cybersecurity

Current	Requested
Cybersecurity	Data Security and Science

RATIONALE:

Data Security and Science is a more appropriate name of this certificate. Cybersecurity often caused many questions from both potential and current students who were interested in the area of Cybersecurity, but only desired to work towards the MS in Cybersecurity degreed program.

EFFECTIVE DATE: (i.e.: Fall 20XX, Spring 20XX): Fall 2022

CURRENT CATALOG COPY:

1. Graduate Certificate in Cybersecurity
2. **Certificate Program Mission:** The graduate certificate program in Cybersecurity is designed ... focused course work on cybersecurity including ... technological systems.
3. The Cybersecurity Certificate program requires 18 semester hours of study including both required and elective courses. Specific requirements are as follows:

Required Courses

Total. Credits: 18

12 semester hours of required course work are listed below. The remaining 6 semester hours are electives that may be selected from the list below.

- TEC 5333 - Management of Computer Technology. Credits: 3
- TEC 5353 - Cybersecurity Credits: 3
- TEC 5363 - Database Security and Reliability Credits: 3
- TEC 5413 - Biometric Security Credits: 3

Elective Courses

6 semester hours from the following list:

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

- TEC 5313 - Networking and Advanced Data Communications. Credits: 3
- TEC 5323 - Advanced Database Technology. Credits: 3
- TEC 5523 - Systems Simulation. Credits: 3
- TEC 5980 - Industrial Internship in the Technologies. Credits: 1 to 10
- TEC 5990 - Independent Study Credits: 1 to 6
- MIS 4850 - Systems Security Credits: 3
- MIS 4860 - Ethical Hacking and Network Defense Credits: 3
- CYB 5550 - Cybersecurity Professional Seminar Credits: 3

PROPOSED CATALOG COPY:

1. Graduate Certificate in Data Security and Science
2. **Certificate Program Mission:** The graduate certificate program in *Data Security and Science* is designed ... focused course work on data security and science including ... technological systems.
3. The *Data Security and Science* Certificate program requires 18 semester hours of study including both required and elective courses. Specific requirements are as follows:

Required Courses

Total. Credits: 18

12 semester hours of required course work are listed below. The remaining 6 semester hours are electives that may be selected from the list below.

- TEC 5363 - Database Security and Reliability Credits: 3
- TEC 5823 – Big Data – Map Reduce Credits: 3
- TEC 5863 – Advanced Cloud Computer Credits: 3
- TEC 5873 – Program of Data Science in Technology Credits: 3

Elective Courses

6 semester hours from the following list:

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

- MIS 4850 - Systems Security Credits: 3
- MIS 4860 - Ethical Hacking and Network Defense Credits: 3
- TEC 5313 - Networking and Advanced Data Communications. Credits: 3
- TEC 5323 - Advanced Database Technology. Credits: 3
- TEC 5333 - Management of Computer Technology Credits: 3
- TEC 5353 - Cybersecurity Credits: 3
- TEC 5413 - Biometric Security Credits: 3
- TEC 5523 - Systems Simulation. Credits: 3
- TEC 5980 - Industrial Internship in the Technologies. Credits: 1 to 10
- TEC 5990 - Independent Study Credits: 1 to 6
- ~~CYB 5550 - Cybersecurity Professional Seminar Credits: 3~~