Cybersecurity
Curricular Approval Matrix (CAM)
Executive Summary
10/12/2021

Project Rationale:

Upon the recommendation from the Information Technology advisory board Barton started research on the need for a Cybersecurity certificate. Through our research, we have found that there is a need in our area and across Kansas for individuals trained in Cybersecurity. The projected outlook for employment in the Information Security field is trending up, and is expected to grow by 15.6% by 2026 or approximately 1.5% annually. The projected median salary is $66,880 (according to the Kansas Occupational Outlook Report).

Program of Study

- **New or Modified Existing Program (if modified, please explain proposed changes):**
    - New
- **Program Description:**
    - Barton's Cybersecurity Program prepares graduates to work as security specialists, an area of the computer industry that is experiencing unprecedented growth, change and opportunity. Cybersecurity specialists guard the information and resources of an organization from criminal activity. Participants study foundational cybersecurity principles and practices, ethical hacking, and forensic techniques. This program prepares students to fulfill the role of security specialists, in thriving fields diverse as business and industry, healthcare, education, government, and law enforcement.
- **Program Objectives**
    - Develop foundational knowledge and skills in cybersecurity
    - Prepare for industry credentials
    - Increase earning potential and career options. Cybersecurity is a necessity across all areas of business and industry.

- **Program Exit Points (SAPP, Certificate and/or Degree)**

Cybersecurity
Certificate

Zone 3: Emphasis Requirements and Electives			
Sector A: Emphasis Requirements			
☐	NTWK 1032	Introduction to Networking	3
☐	NTWK 1034	Networking I	3
☐	NTWK 1035	Networking II	3
☐	NTWK 1070	Network Security I	3
☐	NTWK 1071	Network Security II	3
☐	NTWK 1030	Linux I	3
☐	NTWK 1085	Windows Server I	3
☐	NTWK 1072	Information Security	3
☐	NTWK ????	Ethical Hacking	3
☐	NTWK ????	Introduction to Cybersecurity	3
☐	NTWK 1054	Computer Forensics and Investigations	3
☐	NTWK 1046	Local Area Network Workstation	3
☐			
☐			
☐			
☐			
☐			
☐			
☐			
☐			
Total			36

- **Delivery Method**
  - Online
- **Facility Needs (if applicable)**
  - None
- **Length of Program Exit Points (# of Weeks)**
  - 2 semesters
- **Program Location**
  - Bartonline
- **Faculty Needs**
  - None currently, potentially new adjuncts in the future
- **Third-Party Accreditation**
  - Upon successful completion of the program, students would be eligible for Network +, Security +, and Linux + industry credentials.
- **Partnerships**
  - None at the moment

Resource Needs: Potentially new adjunct faculty, but nothing beyond that.

Other Unique Features/Details: Nothing additional

Projected Implementation Term: Fall 2022

Respectfully Submitted By:

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