COURSE OUTLINE: CYB401 - CYBERSECURITY INTERN

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Course Code: Title	CYB401: CYBERSECURITY INTERNSHIP
Program Number: Name	5911: CYBERSECURITY
Department:	PPP triOS
Academic Year:	2021-2022
Course Description:	On successful completion of the first three semesters of this program, students will be placed on field placement at an outside organization. Students will have the opportunity to apply their newly developed knowledge and skills in a real-world environment.
Total Credits:	12
Hours/Week:	15
Total Hours:	300
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course: **Please refer to program web page for a complete listing of program outcomes where applicable.**	**5911 - CYBERSECURITY** VLO 1 Develop and implement cyber security solutions to protect network systems and data. VLO 2 Plan and implement security assessment methodologies, vulnerability management strategies and2.incident response procedures to generate and communicate security analysis reports and recommendations to the proper level of the organization. VLO 3 Recommend processes and procedures for maintenance and deployment of cyber security solutions. VLO 4 Select and deploy optimal security appliances and technologies to safeguard an organization's network. VLO 5 Comply with existing industry policies, regulations, and ethics for information systems and information technology security solutions to ensure industry expectations and standards are met or exceeded. VLO 6 Analyze security risks to organizations and business processes to mitigate risk in compliance with industry standards. VLO 7 Plan and conduct disaster recovery, forensic investigations and incident responses to support Business Continuity of an organization. VLO 8 Implement and conduct penetration testing to identify and exploit an organization's network system vulnerability. VLO 9 Perform various types of cyber analysis to detect actual security incidents and suggest solutions. VLO 10 Maintain ongoing personal and professional development to improve work performance in the field of information technology. VLO 11 Communicate effectively and professionally in an information technology workplace

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to increase overall productivity and support a positive work environment.

Essential Employability Skills (EES) addressed in this course:

EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.
EES 3 Execute mathematical operations accurately.
EES 4 Apply a systematic approach to solve problems.
EES 5 Use a variety of thinking skills to anticipate and solve problems.
EES 6 Locate, select, organize, and document information using appropriate technology and information systems.
EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
EES 10 Manage the use of time and other resources to complete projects.
EES 11 Take responsibility for ones own actions, decisions, and consequences.

Course Evaluation:

Course Outcomes and Learning Objectives:

Course Outcome 1	**Learning Objectives for Course Outcome 1**
Maintain professional conduct and practices.	1.1 Identify and follow employer`s policies and procedures. 1.2 Demonstrate accountability and responsibility by applying knowledge and performing previously learned skills.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
Establish and maintain positive and responsive relationships.	2.1 Develop and maintain respectful work relationships with other team members in the host organization. 2.2 Work and learn as an effective team member of the IT department in the host organization. 2.3 Develop time management skills effectively to respond promptly to assigned tasks. 2.4 Follow written and oral directions correctly and promptly. 2.5 Follow all applicable school and agency policies and procedures.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
Comply with existing industry policies, regulations, and ethics for information systems and information technology security solutions to ensure industry expectations and standards are met or exceeded.	3.1 Adopt industry and organizational policies established by the employer host. 3.2 Follow the policies of the IT department of the host organization. 3.3 Observe the employer`s guidelines for conducting any IT installations, testing and processes. 3.4 Adopt a positive approach to learning new tasks and processes at the host organization.
Course Outcome 4	**Learning Objectives for Course Outcome 4**

	Communicate effectively and professionally in an information technology workplace to increase overall productivity and support a positive work environment.	4.1 Evaluate and act upon constructive feedback 4.2 Communicate respectfully, positively and openly without judgment or personal bias 4.3 Communicate information comprehensively, concisely, accurately, objectively and in a timely manner 4.4 Communicate professionally in written documents including vocabulary, grammar, spelling and format to meet a college standard of writing 4.5 Establish and maintain effective communication as a member of the IT department in the host organization.
Date:	June 30, 2022	
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.	