Computing and Information Systems (Associate of Applied Science), Cybersecurity Concentration

The Associate of Applied Science in Computing and Information Systems provides students with the foundational knowledge necessary to meet entry-level employment needs of the regional labor market that includes Baton Rouge. Students gain knowledge, professional skills and specialized hands-on technical training to position them for entry-level network security specialists.

To receive this degree, the student must:
- Have a cumulative GPA of 2.00 of higher in all credit hours to be used towards the degree.
- Earn a "C" or better in all courses in the program of study outline below.
- Complete the coursework listed below.

Program Outcomes. Upon successful completion of the program, the graduate will be able to:
1. Apply written, oral, and graphical communication in both technical and non-technical environments
2. Utilize critical thinking skills to collect, analyze, and interpret technical data collected through investigation and experimentation
3. Evaluate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities and training.
4. Use appropriate security protocols to interpret and forensically investigate security incidents.

Program of Study

First Semester		Credit Hours
ENGL 1013	English Composition I	3
BIOL 1013 or	General Biology I or	3
BIOL 1033	Biology for Science Majors	
MATH 1213	College Algebra	3
CSCI 1923	Introduction to Computers: Programming Logic and Design	3
CSCI 2123	Introduction to Cybersecurity	3
	Semester Total:	**15**

Second Semester		Credit Hours
CSCI 1933	Software Design and Programming I	3
CSCI 1953	Society and Ethics in Computing	3
CSCI 2113	Cloud Computing Foundations	3
CNET 2103	Introduction to Networking	3
INTE 1103	Install and Troubleshoot Part I	3
	Semester Total:	**15**

Third Semester		Credit Hours
CSCI 1943	Software Design and Programming II	3
CSCI 2153	Linux/Unix System Programming	3
CSCI 2313	Cyber and Digital Forensics	3
INTE 1113	Install and Troubleshoot Part II	3
PSYC 2013	Introduction to Psychology	3
	Semester Total:	**15**

Fourth Semester		Credit Hours
CSCI 2723	Penetration Testing and Incident Response	**3**
CSCI 2753	Information Assurance and Security	**3**
CNET 2503	PC & Network Security	**3**
INTE 2013	Windows Server Part I	**3**
HIST 1113	World Civilization to 1500	**3**
	Semester Total:	**15**

	Total Program Credit Hours:	**60**

For more information, contact the Division of Science, Technology, Engineering, and Mathematics (STEM) at 225-216-8105.