

LIBERTY UNIVERSITY

ONLINE ACADEMY

Information Assurance Certificate - Course Descriptions

CSIS 100 (CSB 3100) – Intro to Information Sciences & Systems

This course examines the design, selection, implementation, and management of enterprise Business solutions. The focus is on identifying critical business processes and envisioning how technology can be developed to provide solutions which generate competitive advantage. Students learn how applying frameworks and strategies around the Business Process and Organization Strategy provide a competitive advantage. Topics include MIS and IT fundamentals, Information Systems Management and Using Enterprise Business Applications for competitive advantage. The course also includes a component for Technical Writing for Information Systems. (Formerly BMIS 200)

College Credits: 3

LUOA High School Equivalency: Fine Art/Career/Technology Elective

Sub-term: B/C/D

Course Prerequisites: MATH 110 or Math Assessment

CSIS 330 (CSB 3330) – Business Data Communication Systems

The study of the movement of information (data) from one device to another by means of electrical, optical, radio or satellite transmission systems. This course will introduce the architecture, concepts, terminology, design, and management issues related to the modern environment of networking and data communications. Various types of networks and communication systems, protocols, regulatory issues, and policies explored.

College Credits: 3

LUOA High School Equivalency: Fine Art/Career/Technology Elective

Sub-term: B/D

CSIS 331 (CSB 3331) – Networks

Building on the foundational knowledge of the 330 course, this is a study in corporate data networking. This course primarily focuses on switched networks (wired and wireless) with hands-on work on setting up and operating a switched network. Routed networks fundamentals and concepts will be introduced to prepare students for careers in networks operations and the follow-on advanced networks class. (Formerly BMIS 331)

College Credits: 3

LUOA High School Equivalency: Fine Art/Career/Technology Elective

Sub-term: B/D

Course Prerequisites: CSIS 330

CSIS 335 (CSB 3335) – Network Security

A study of the control of unwanted intrusions into, use of, or damage to a business' computer network. This course will cover elements that prevent unwanted activities in an efficient and cost effective manner. This study will start with a focus on the business challenges and threats network professionals face in their day to day operations. It explores the nature and intent of hackers and defines preventative measures such as Intrusion Detection Systems, firewalls, and virtual private networks. (Formerly BMIS 335)

College Credits: 3

LUOA High School Equivalency: Fine Art/Career/Technology Elective

Sub-term: B/D

Course Prerequisites: CSIS 330

CSIS 341 (CSB 3341) – Info Security Planning

This course will deal with the proper planning for the initial implementation of an Information Security program. The topics included would be security planning and policies, risk analysis, program accreditation, systems lifecycle management, contingency planning, physical security measures, personal security practices and procedures, software security, network security, administrative controls, crypto security.

College Credits: 3

LUOA High School Equivalency: Fine Art/Career/Technology Elective

Sub-term: B/D

Course Prerequisites: CSIS 340

CSIS 343 (CSB 3343) – Cybersecurity

A comprehensive overview of the essential concepts students must know as they pursue careers in information systems security. Topics include a discussion of the new risks, threats, and vulnerabilities associated with the transformation to a digital world, including a look at how business, government, and individuals operate today. Additionally, information is included from the Official (ISC) 2 SSCP Certified Body of Knowledge and presents a high-level overview of each of the seven domains within the System Security Certified Practitioner certification. (Formerly BMIS 342)

College Credits: 3

LUOA High School Equivalency: Fine Art/Career/Technology Elective

Sub-term Availability: B

Course Prerequisites: CSIS 340

Additional course needed for prerequisite**CSIS 340 (CSB 3340) – Studies in Information Security**

This course introduces the basic issues and principles of information system security such as security policies, their mechanisms of implementation, means attackers use to circumvent these protections and defenses against these attackers. (Formerly BMIS 340, CSCI 340)

College Credits: 3

LUOA High School Equivalency: Fine Art/Career/Technology Elective

Sub-term: B/D