

LIBERTY UNIVERSITY

ONLINE ACADEMY

Associates of Arts in Information Systems - Course Descriptions

Summer Semester after 10th Grade

UNIV 104 (CSB 3101) – Instructional Technology for Successful Online Learning

Designed to equip students for success as they transition into the online classroom, this course offers strategic information tailored to ensure academic excellence in this unique learning environment; this information includes Liberty University's foundations and beliefs, Liberty University Online resources for success, Blackboard navigation techniques, time management strategies, the adult learner's responsibilities, methods for identifying and avoiding academic misconduct, scholarly research tactics, and approaches for selecting the appropriate courses towards completion of the preferred degree program.

College Credits: 3

GOVT 220 (HIS 3220) – American Government

The issues, interest and institutions of American politics, emphasizing the struggle between liberalism and conservatism.

College Credits: 3

11th Grade - Fall Semester

ENGL 101 (LAN 3101) – Composition & Rhetoric

Through the critical engagement of a variety of texts, including written, oral, and visual, this course prepares students to become careful readers, critical thinkers, and skilled writers. Drawing upon rhetorical theory, it emphasizes the practices of analytical reading, informed reasoning, effective writing, and sound argumentation. The course requires 4,000 words of writing in no fewer than five writing projects, three of which are argumentative essays incorporating external sources.

College Credits: 3

RLGN 104 (BIB 3107) – Christian Life & Biblical Worldview

This is a study in the development and application of the biblical worldview. This course will include an introduction and application of critical thinking skills, as well as a study of religious and philosophical worldviews. Special attention will be given to the theology and methodology of evangelism.

College Credits: 4

ENGL 102 (LAN 3102) – Composition & Literature

Composition and Literature continues the emphasis on writing. Two analytical papers—based upon studies of the short story, poetry, and drama—and a research paper, sequentially developed, are required.

College Credits: 3

Course Prerequisites: ENGL 101

BIBL 104 (BIB 3106) – Survey of Old & New Testament

This survey course is designed to lay a foundational understanding of Scripture via a historical survey of the Old and New Testaments. The student will engage a range of learning activities related to the issues interacting with biblical literature, basic hermeneutical principles, key themes and persons of the canon, and the redemptive theme of Scripture.

College Credits: 4

11th Grade - Spring Semester

COMS 101 (LAN 3103) – Speech Communication

Study and practice in communicating ideas competently in public speaking. Students are also given a foundation for the development of communication skills in other human communication contexts, including dyadic and small group communication.

College Credits: 3

BUSI 301 (CSB 3301) – Business Law

Designed to increase the understanding of the American legal system and those legal principles which apply to the business environment. Business organizations, torts, contracts, employment relationships and issues, intellectual property, and international law are among the topics discussed.

College Credits: 3

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.

College Credits: 3

Course Prerequisites: MATH 110 or Math Assessment

BUSI 310 (CSB 3310) – Principles of Management

Management requires a balance between social (people) and technical (quantitative) perspectives, as well as between efficiency and effectiveness. This course emphasizes the application of these perspectives in each of the planning, organizing, leading and controlling functions.

College Credits: 3

Summer Semester after 11th Grade

BIOL 101 (SCI 3101) – Principles of Biology

An examination of the fundamental characteristics common among living things. Emphasis is placed upon studies of the cell, energy, metabolism, reproduction, heredity, ecology, phylogeny and the diversity of life.

College Credits: 3

BIOL 103 (SCI 3103) – Principles of Biology Lab

Laboratory exercises selected to demonstrate basic biological concepts. Emphasis is on plant and animal cell chemistry, composition and function, organismal structure and function, biological diversity and population ecology.

College Credits: 1

BUSI 230 (CSB 3230) – Intro to Probability & Statistics

Introduction to descriptive statistics and probability, probability distributions, estimation, tests of hypotheses, chi-square tests, regression analysis, and correlation with applications in business and science.

College Credits: 3

Course Prerequisites: MATH 110 or Math Assessment

12th Grade – Fall Semester

ENGL 202 (LAN 3202) – American Literature II

A survey of American literature following the American Renaissance. Two critical papers required.

College Credits: 3

Course Prerequisites: ENGL 101 & ENGL 102

CSIS 208 (CSB 3208) – Application Programming

Development of computer and programming skills, problem-solving methods, and selected applications. This course provides a broad-based introduction to programming in Visual Basic. Students will learn how to build a program from the design phase all the way through to delivery.

College Credits: 3

Course Prerequisites: CSIS 100 or 110 and MATH 121 or higher

ECON 214 (MAT 3214) – Principles of Macroeconomics

The aggregate supply and demand model is used to analyze macroeconomic problems including business cycles, unemployment, and inflation. Government fiscal and monetary policies that may stabilize the economy are introduced and evaluated. The U.S. financial system and the value of the U.S. dollar in the foreign exchange market are covered.

College Credits: 3

PSYC 101 (ASC 3101) – General Psychology

Introduction to Psychology as a scientific discipline concerned with the study of behavior. Consideration will be given to such topics as human development, motivation, emotion, perception, learning, personality, intelligence, measurement, and applied areas.

College Credits: 3

**Subject material may be considered sensitive by some students*

12th Grade – Spring Semester

THEO 104 (BIB 3104) – Intro to Theology Survey

This course is an introduction to the basic tenets of Christianity.

College Credits: 4

CSIS 325 (CSB 3325) – Database Management Systems

The study of relational database architecture, design, access, administration and implementation in the context of various organizational environments. The course includes issues of data normalization, standard queries, and the use of popular relational and object technologies for building business-oriented applications. Assigned projects will provide hands-on experience with industry-leading SQL and RDBMS tools and ER CASE tools currently popular in business and government settings. (Formerly BMIS 325)

College Credits: 3

Course Prerequisites: CSIS 208 or CSIS 212 & BUSI 230/MATH 201

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 will be explored. (Formerly BMIS 330).

College Credits: 3

CSIS 351 (CSB 3351) – System Analysis & Design

This practical course in information systems development will cover the concepts, skills, methodologies (RAD as well as SDLC), and tools essential for systems analysts to successfully develop information systems. The course will also introduce the student to the Oracle Designer CASE tools, which will be used to assist in the documentation of the analysis and design phases. The course will include a significant amount of team-based activities, therefore issues associated with team interactions and processes will be discussed. (Formerly BMIS 351)

College Credits: 3

Course Prerequisites: CSIS 325