CHRISTIAN LIBERTY ACADEMY
LIBERTY UNIVERSITY
DUAL ENROLLMENT
CERTIFICATE PROGRAM

MISSION OF THE DUAL CREDIT POGRAM:

To give students a chance to get a head start on college level credits while also earning high school credits at a reduced rate. To provide an opportunity for students to be introduced to a desired career choice to help them determine their level of interest before choosing a possible college major. To provide onsite technical and academic guidance to our students while they begin their college adventure.

BLENDED LEARNING:

Research is beginning to reveal the long-term benefits of online learning. As a result, many traditional schools are looking to offer online content as a part of their daily school schedule. In partnership with Liberty University Online Academy, Christian Liberty Academy can integrate LUOA's online, Christ-centered curriculum into its course offerings. We can select as few or as many courses, from various grade levels, to offer to you. LUOA will teach, grade, and administer all aspects of the course(s) to provide your institution with the support it needs to thrive!

ADMISSION REQUIREMENTS:

- Current unofficial High School transcript showing the completion of 10th grade.
- Demonstrate record of academic excellence (3.0 GPA or higher).
- A letter of recommendation from your high school guidance counselor is needed only if your GPA is below 3.0.
- Students are required to take Math and English assessment tests before enrolling in university courses. This helps us determine the best course placement for your success.
- Students who fail a Dual Enrollment credit course may repeat the course one time. The student must pay the tuition for the repeated course. The original and second attempt grades are listed on the LUOA high school transcript and factored in to the student's overall LUOA GPA. If a student fails a second course, they will be removed from the Dual Enrollment program. The student may continue to enroll in LUOA high school courses but will not be allowed to enroll in additional Dual Enrollment courses.

FEES FOR ONLINE COURSES:

1 credit class - $400.00 (Also ½ High School Credit)
Fee includes – Registration, Online books, Tech fee and on campus
tutoring and tech support
3 credit class - $625.00 (Also 1 High School Credit)
Fee includes – Registration, Online books, Tech fee and on campus
tutoring and tech support

GENERAL GUIDELINES:

- Students may begin to take courses the summer after their 10th grade year.
- 11th and 12th grade students may take up to two classes per semester and up to four classes during a summer session.

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LIBERTY ONLINE COURSE TERM DATES:

The course registration deadlines below are firm and cannot be extended. Please plan your enrollment accordingly to ensure you are able to register for your desired course prior to the registration deadline.

Fall 2020 A (16 week term) & B (8 week term)
Course Registration Deadline – August 12
Financial Check-in Deadline – August 17
Start Date – August 24
End Date – December 18 (A term), October 16 (B term)

Fall 2020 C (8 week term)
Course Registration Deadline – September 9
Financial Check-in Deadline – September 14
Start Date – September 21
End Date – November 13

Fall 2020 D (8 week term)
Course Registration Deadline – October 14
Financial Check-in Deadline – October 19
Start Date – October 26
End Date – December 18

Spring 2021 A (16 week term) & B (8 week term)
Course Registration Deadline – January 6
Financial Check-in Deadline – January 11
Start Date – January 18
End Date – May 14 (A term), March 12 (B term)

Spring 2021 C (8 week term)
Course Registration Deadline – February 3
Financial Check-in Deadline – February 8
Start Date – February 15
End Date – April 9

Spring 2021 D (8 week term)
Course Registration Deadline – March 10
Financial Check-in Deadline – March 15
Start Date – March 22
End Date – May 14

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Summer 2021 A (16 week term) & B (8 week term)
Course Registration Deadline – May 5
Financial Check-in Deadline – May 10
Start Date – May 17
End Date – August 20 (A term), July 9 (B term)

Summer 2021 D (8 week term)
Course Registration Deadline – June 16
Financial Check-in Deadline – June 21
Start Date – June 28
End Date – August 20

COLLEGE HEAD START PROGRAM:

This option allows students in 11th and 12th grade to choose to enroll in select college courses in order to earn college credit. The students will earn high school credit from LUOA and college credit from Liberty University for the same course.

The purpose of this program is to allow 11th and 12th grade students the opportunity to start working on their first year of college while in high school. Participating in this program could save you up to 50% of your first year tuition. The program also provides the opportunity for students to experiment with classes in potential career fields to determine their interest.

ART
ARTS 105 (ART 3105) – Art Appreciation
The development of a satisfying discourse between the student and the work of art, employing a selective survey of major achievements and movements in the visual art of western civilization.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D

BUSINESS:
ACCT 209 (CSB 3210) – Survey of Accounting and Finance
This course provides the basics of financial analysis and management for non-business majors. Topics in this course will include financial reporting, underlying accounting assumptions, performance measures, ratio analysis, cash flow, time value of money, and budgeting.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/C/D

BUSI 101 (CSB 3102) – Intro to Business

The student will study all of the major aspects of operating a modern business. Emphasis is given to business practice for both small business and large corporate enterprises.
College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: B/C/D

BUSI 223 (CSB 3223) – Personal Finance

Budgets, borrowing funds, stock ownership, savings, real estate as investments, and related tax matters are among the topics covered.
College Credits: 3
LUOA High School Equivalency: Personal Finance
Sub-term Availability: B/C/D

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
LUOA High School Equivalency: Higher Math
Sub-term Availability: B/D
Course Prerequisites: MATH 110 or Math Assessment

COMPUTERS & TECHNOLOGY:
CSIS 111 (CSB 3113) – Intro to Programming

Introduction to structured programming and algorithms with an object-oriented language. Topics include input/ output, flow of control, functions, and an introduction to software engineering. Programming assignments are required. (Formerly CSCI 111)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D
Course Co-requisites: CSIS 110 or ENGR 110 (Can be taken concurrently)

CSIS 112 (CSB 3112) – Advanced Programming

Continuation of CSIS 111. Further development of discipline in program design, especially for larger programs. Introduction of pointers, simple data structures, recursion, internal sort/search methods. Programming assignments are required. (Formerly CSCI 112)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D
Course Prerequisites: CSIS 111

INFT 127 (CSB 3127) – Adobe Photoshop – Intro
This course will introduce the student to Adobe Photoshop. Specific skills taught include creating, editing, and publishing digital content, including photos, images, and effects.
College Credits: 1
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D

INFT 151 (CSB 3151) – Mobile Media Techniques
This course will introduce students to mobile devices, concepts, and using established mobile apps. Students will use mobile devices to create and web publish mobile media content that will enhance their understanding of the tools and functions available to tell their stories, communicate content, and establish a web presence.
College Credits: 1
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D

INFT 152 (CSB 3152) – Social Media Tools – Intro
This course will introduce the concepts and applications of social media. Students will gain hands on experience using readily available social media tools to create a social media presence on the internet.
College Credits: 1
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D

INFT 241 (CSB 3241) – CompTIA A+: Computer Hardware and Operating Systems Certification
This course will introduce hardware, software, operating systems, and trouble-shooting. Students will learn basic skills in building and trouble-shooting computers, installing/configuring operating systems, and basic networking.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D

CRIMINAL JUSTICE:
CJUS 200 (CRJ 3200) – Intro to Criminal Justice
An introductory course covering an overview of the whole criminal justice system in America, including discussion of law enforcement generally, the court systems, correctional organizations, the history of law enforcement in the U.S. and some other nations, and the ethics and philosophy of criminal justice generally.
College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: B/C/D

ENGLISH:
ENGL 100 (LAN 3100) – Basic Composition
This course focuses on proficiency in grammar, paragraph development, writing basic essays, and the writing process in general. A minimum of three paragraphs and two essays will be required. English 100 does not meet the general education requirements in English but does offer three elective credits.
College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: B/C/D

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
LUOA High School Equivalency: English
Sub-term Availability: B/C/D

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
LUOA High School Equivalency: English
Sub-term Availability: B/C/D
Course Prerequisites: ENGL 101

HISTORY:
HIEU 201 (HIS 3201) – History of Western Civilization I
A survey of the major currents in Western civilization from its beginnings in the ancient Near East to 1648.
College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: B/C/D

HIEU 202 (HIS 3202) – History of Western Civilization II
A survey of the major currents in Western civilization since 1648.
College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: B/C/D

MATH
MATH 115 (MAT 3115) – Mathematics for Liberal Arts
A survey course for liberal arts majors including a review of algebra and an introduction to logic, probability and statistics, mathematical structures, problem-solving, geometry and consumer applications.
College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: A
Course Prerequisites: MATH 110, Math Assessment, or SAT/ACT

MATH 117 (MAT 3117) – Elements of Mathematics
A development of basic concepts of elementary mathematics, including problem-solving, logic, sets and binary operations, the natural numbers and their properties, deductive reasoning and the nature of proof, the integers, rational numbers, real numbers, and their properties, relations, functions, and graphs.
College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: A
Course Prerequisites: MATH 110, Math Assessment, or SAT/ACT

MATH 121 (MAT 3121) – College Algebra
Fundamental concepts of college algebra including sets, equations and inequalities, functions and graphs, polynomials, rational functions, exponential and logarithmic functions, linear inequalities, and linear programming.
College Credits: 3
LUOA High School Equivalency: Higher Math
Sub-term Availability: A
Course Prerequisites: MATH 110, Math Assessment, or SAT/ACT

SCIENCE
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
LUOA High School Equivalency: Science
Sub-term Availability: A/B/C/D

BIOL 102 (SCI 3102) – Principles of Human Biology
An examination of structure, function, development and homeostatic interaction in higher organisms with special emphasis on human body systems.
College Credits: 3
LUOA High School Equivalency: Science
Sub-term Availability: B/D

BIOL 103 (SCI 3103) – Principles of Biology Lab
An optional lab experience to accompany BIOL 101.
College Credits: 1
LUOA High School Equivalency: Science
Sub-term Availability: A

CERTIFICATE PROGRAM:

Through our accredited, online dual enrollment program, high school students can track toward earning a certificate, presented by Liberty University Online. Completing one of our online certificates is one of the fastest ways to get the skills you need now while working toward your long-term educational goals. LUOA's certificate program can also help enhance your marketability with employers, and you can transfer these classes to an associate or bachelor's degree!

In order to complete one of the certificate programs you must start the fall of your 11th grade year. A student must average two classes per semester or one per semester and two during the summer between your junior and senior year.

International Business Certificate - Course Descriptions

BUSI 303 (CSB 3303) – International Business
An introduction to the field of international business. Topics to be covered include country differences in political economy and culture; cross-border trade and investment; the global monetary system; global strategy; global market; and product development; global operations management; and global human resources management.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term: B/C/D

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
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D

BUSI 360 (CSB 3360) – Contemporary Issues in International Business
An analysis of current global developments and rapid change in areas that have the potential for an impact on the international business environment. Attention is given to the use of techniques for identifying and researching significant issues, extrapolating probable outcomes, and developing strategic responses. Corporate and entrepreneurial perspectives are considered.

College Credits: 3
LUOA High School Equivalency: Fine Art/ Career/ Technology Elective Sub-term: B/D
Course Prerequisite(s): BUSI 303

BUSI 365 (CSB 3365) – Global Industries & Operations
An introduction to the organizational and operational dynamics of the various global industries and their rapidly growing importance to the world's national economies and governments. Various aspects of the industries will be explored.
College Credits: 3
LUOA High School Equivalency: Fine Art/ Career/ Technology Elective Sub-term: B/D
Course Prerequisite(s): BUSI 303

BUSI 464 (CSB 3464) – International Market Integration and Trade Agreements
This course examines the market and economic integration among countries, including the European Union, the North American Free Trade Agreement, Asia-Pacific Economic Cooperation, Association of Southeast Asian Nations and others. Major emerging market economies will also be surveyed, along with the challenges and opportunities these present to the international business firm.
College Credits: 3
LUOA High School Equivalency: Fine Art/ Career/ Technology Elective Sub-term: B/D
Course Prerequisite(s): BUSI 303

BUSI 465 (CSB 3465) – Export Management Strategy
An overview of international trade theories, policies, instruments and documents that affect the success of U.S. exports. Students are introduced to various resources, private organizations, and government agencies designed to facilitate American export businesses. The tools and methods for establishing a small export business model are examined.
College Credits: 3
LUOA High School Equivalency: Fine Art/ Career/ Technology Elective Sub-term: B/D
Course Prerequisite(s): BUSI 303

Project Management Certificate - Course Descriptions
BUSI 240 (CSB 3240) – Organizational Behavior
This introductory course in organizational behavior integrates the management and behavioral principles, techniques, and concepts associated with the productivity of organizational resources. It focuses on human behavior in organizations and is primarily concerned with improving organizational efficiency and effectiveness through increased understanding of the behavior of people at work.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D

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
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D

BUSI 313 (CSB 3313) – Foundations of Project Management

This course introduces the student to the field of modern project management and the fundamental processes of initiating, planning, executing, monitoring, controlling and closing projects. Students will learn the inputs and outputs and the tools and techniques of: defining the project, estimating project times and costs, developing project plans, managing risk, scheduling resources, and their costs, reducing project duration, progress and performance measurement, and evaluation and project closure. (Previously BUSI 413)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D

BUSI 414 (CSB 3414) – Project Management I

This course provides focused instruction in the first five (of nine) project management competencies as delineated in the Project Management Institute's Body of Knowledge (PMBOK): Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, and Project Quality Management. Students will apply processes to ensure project coordination, plan development processes, project plan execution processes and integrated change control processes.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D
Course Prerequisite(s): BUSI 313

BUSI 415 (CSB 3415) – Project Management II

This course provides focused instruction in the final four (of nine) project management competencies as delineated in the Project Management Institute's Body of Knowledge (PMBOK): Project Human Resource Management, Project Communications Management, Project Risk Management, and Project Procurement Management. The course will provide students with processes to review organizational and human resource structures to develop and manage project teams; identify, analyze, plan for and respond to project risk; identify and acquire goods and services to implement and complete project plans; and, identify stakeholders, plan communications, and distribute information.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term Availability: B/D
Course Prerequisite(s): BUSI 313

BUSI 416 (CSB 3416) – Leading Global Projects

This course provides instruction in global project management with an emphasis on the integration of the interconnected themes of strategic project management, cross-cultural effectiveness, and project leadership. *College Credits: 3*
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/D Course Prerequisite(s): BUSI 313
Updated for 2019/20 School Year

Health Sciences Certificate - Course Descriptions

HLTH 105 (HPE 3105) – Intro to Health Professions
A survey of the health professions and requirements for educational, job and market demands in selected health careers, including health promotion philosophy, goals, history and development. *College Credits: 3*
LUOA High School Equivalency: Health/PE
Sub-term Availability: B/C/D

HLTH 221 (HPE 3221) – Applied Human Anatomy & Physiology I
An examination of the structure, function, and pathology of the various body systems and their roles, relevance, and applications in health and illness. The course will employ virtual interactive cadaver dissection technology. The following topics are covered: introduction to the human body; the chemistry of life; the cells, tissues, and organization of the body; the blood; the cardiovascular system; the lymphatic system; the nervous system; the special senses; the endocrine system; and the respiratory system.
College Credits: 3
LUOA High School Equivalency: Science Sub-term Availability: B

HLTH 222 (HPE 3222) – Applied Human Anatomy & Physiology II
A continuation of HLTH 221 that examines the structure, function, and pathology of the various body systems and their roles, relevance, and applications in health and illness. The course will employ virtual interactive cadaver dissection technology. The following topics are covered: introduction to nutrition; the digestive system; the urinary system; the skin; resistance and immunity; the musculoskeletal system; introduction to genetics; and the reproductive systems.
College Credits: 3
LUOA High School Equivalency: Science Sub-term Availability: D
Course Prerequisites: HLTH 221

HLTH 252 (HPE 3252) – Drugs in Society
An examination of alcohol, tobacco and other drugs effects upon individual, school, and community.
College Credits: 3
LUOA High School Equivalency: Health/PE Sub-term Availability: B/D

HLTH 330 (HPE 3330) – Human Nutrition
Chemical structure, function, digestion, metabolism and biochemical interrelationships of nutrients relating to life cycle, current issues and diet selection.
College Credits: 3
LUOA High School Equivalency: Health/PE
Sub-term Availability: B/D

HLTH 380 (HPE 3380) – Health Promotion for Aging Populations
The study of the process of aging and the interrelationships among the five dimensions of health as they relate to aging. Emphasis is placed on health promotion and disease prevention at all ages as the path to living a full life in later years.
College Credits: 3
LUOA High School Equivalency: Health/PE Sub-term Availability: B/D

Web Development 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/D
Course Prerequisites: MATH 110 or Math Assessment

CSIS 212 (CSB 3213) – Object-Oriented Programming
A study of the general-purpose, secure, object-oriented, portable programs. This course prepares students to program stand-alone applications. It will cover features such as programming concepts, data types, operators, flow control statements, objects, classes, methods, arrays, and strings. The concept of object-oriented programming is emphasized. The c*ourse has an additional $35 fee for course materials*
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D
Course Prerequisites: CSIS 208 or BUSI 230

CSIS 310 (CSB 3311) – Web Architecture & Development
Provides students with thorough knowledge of the foundations of web architecture, current technologies utilized in the development of a web site, and criteria for assessing the usability of web sites. (Formerly CSCI 310)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term: B/D
Course Prerequisites: CSIS 212

CSIS 312 (CSB 3312) – Advanced Object-Oriented Programming

In-depth study of the advanced features of Java, with an emphasis on the "why" as well as the "how to" of programming in the Java language. This course also prepares students for the Sun Certified Java Programmer exam. (Formerly BMIS 312)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D
Course Prerequisites: CSIS 212

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
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D
Course Prerequisites: CSIS 212 & BUSI 230

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)
(Cross-listed with BUSI 417)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D

CSIS 410 (CSB 3410) – Web Enterprise Technologies

Provides students with thorough knowledge of current technologies and best practices for developing database- driven dynamic websites including database and client-side programming. (Formerly BMIS 410)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term: B/D
Course Prerequisites: CSIS 310 & CSIS 325
Additional course needed for prerequisite
BUSI 230 (CSB 3230) – Introduction to Probability and 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. (Cross-listed with MATH 201)
College Credits: 3
LUOA High School Equivalency: Higher Math
Sub-term: B/C/D
Course Prerequisites: MATH 110, Math Assessment, or SAT/ACT
Updated for 2019/20 School Year

Business Administration Certificate - Course Descriptions
BUSI 240 (CSB 3240) – Organizational Behavior
This introductory course in organizational behavior integrates the management and behavioral principles, techniques, and concepts associated with the productivity of organizational resources. It focuses on human behavior in organizations and is primarily concerned with improving organizational efficiency and effectiveness through increased understanding of the behavior of people at work.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D

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
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D

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
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D

BUSI 330 (CSB 3329) – Principles of Marketing
The study of the system of activities that constitutes marketing with an emphasis on the principles, policies, and strategies utilized to identify and satisfy the needs and wants of consumers. The universal application of marketing in all forms of organizations is stressed.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D

BUSI 342 (CSB 3342) – Human Resource Management
Introduces the student to the human resources/personnel functions. Topics covered include recruitment, assessment, compensation, motivation, appraisal, development, legal environment, labor relations, employee relations, etc. Emphasis on how managers can deal with and utilize the human resources

function.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D

BUSI 472 (CSB 3472) – Organizational Ethics
An analysis of the foundation of ethical behavior in business, including an introduction to social graces and the importance of professional image. Emphasis is placed on a comparison between Judeo-Christian and secular ethical paradigms.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/C/D
Update for 2019/20 School Year

Database 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/D
Course Prerequisites: MATH 110 or Math Assessment

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
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D
Course Prerequisites: CSIS 100 and MATH 121 or higher

CSIS 212 (CSB 3213) – Object-Oriented Programming
A study of the general-purpose, secure, object-oriented, portable programs. This course prepares students to program stand-alone applications. It will cover features such as programming concepts, data types, operators, flow control statements, objects, classes, methods, arrays, and strings. The concept of object-oriented programming is emphasized. The c*ourse has an additional $35 fee for course materials*
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D
Course Prerequisites: CSIS 208

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
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B/D
Course Prerequisites: CSIS 208 & BUSI 230

CSIS 327 (CSB 3327) – Introduction to Oracle
This course introduces the fundamentals of database design using an Oracle platform. Database administration will be introduced as well as the basic concepts of data manipulation in an Oracle environment. (Formerly BMIS 326)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term: B
Course Prerequisites: CSIS 325

CSIS 328 (CSB 3328) – Advanced Oracle
This course introduces the advanced topics of database administration in Oracle. Multi-dimensional databases for Business Intelligence applications will be examined as well. (Formerly BMIS 327)
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term: D
Course Prerequisites: CSIS 327
Additional course needed for prerequisite
BUSI 230 (CSB 3230) – Introduction to Probability and 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. (Cross-listed with MATH 201)
College Credits: 3
LUOA High School Equivalency: Higher Math
Sub-term: B/C/D
Course Prerequisites: MATH 110, Math Assessment, or SAT/ACT
Updated for 2019/20 School Year

Pre-School Certificate: Course Descriptions
EDUC 200 (EDU 3200) – Principles of Education
Students will examine the historical, philosophical, legal, and sociological principles of education. Emphasis will be placed on current issues and terminology in the field of education.

College Credits: 3
LUOA High School Equivalency: General Elective
Sub-term Availability: B/C/D

EDUC 205 (EDU 3205) – Learning Theory and Portfolio Development

An introduction to learning theories with an emphasis on experiential learning. There will also be a focus on learning and learning styles, including management and communications profiles. A major part of this course is the preparation of the Professional Development Profile and the Experiential Learning Portfolio.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term Availability: B/C/D
Course Prerequisites: EDUC 200 (May be taken as a corequisite)

EDUC 210 (EDU 3210) – Early Childhood Education

Designed to introduce a candidate to the field of early childhood education; an overview of child development and learning, family relationships, assessment of young children, developmentally effective approaches to early childhood education, and how to use content knowledge to build a meaningful curriculum.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective Sub-term Availability: B

EDUC 215 (EDU 3215) – Early Childhood Wellness

Designed to introduce a candidate to the issue of wellness in early childhood education; an overview of wellness in the early childhood setting by examining good nutrition, safety, and healthful practices for young children.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: D

EDUC 304 (EDU 3304) – Classroom Management for Teachers

This course will survey instructional approaches, materials, and methods for classroom management. Emphasis will be placed on management styles and the various methods associated with those styles.
College Credits: 3
LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/C/D
Course Prerequisites: EDUC 205

EDUC 305 (EDU 3305) – Educational Philosophy for Teachers

This course presents the practical role of philosophy in the classroom. Emphasis is placed upon a careful analysis of current religious and education trends, and major philosophies are defined. Students will formulate a personal philosophy and apply that philosophy to their teaching methodology, lesson plan design, and delivery. *Course has additional $50 fee for course materials*
College Credits: 3

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LUOA High School Equivalency: Fine Art/Career/Technology Elective
Sub-term Availability: B/C/D
Course Prerequisites: EDUC 205
Updated for 2019/20 School Year