

DEGREES & CERTIFICATES

LIBERAL ARTS & SCIENCES: COMPUTER STUDIES ASSOCIATE OF ARTS (AA)

About the Program

The Liberal Arts & Sciences: Computer Studies AA courses emphasize the integration of theory and practice within the field of computer applications, computer networking, and computer science. Students will develop the ability to effectively use computer applications, manage and maintain networks, and develop software applications. Students will demonstrate an understanding of the place of technology within the global economy. Students will critically evaluate the impact of technology on the workplace, on their lives, and on society as a whole.

Program Goals and Objectives

The Liberal Arts & Sciences: Computer Studies AA is designed to prepare the students to enter the workforce prepared with an associate degree. The curriculum allows student to develop an appreciation of the beauty and values that have shaped and enriched our culture. This program prepares students in analytical thinking, critical analysis, group collaboration, and effective communication.

Career Opportunities

Program Outcomes

- Upon completion of the AA in Liberal Arts & Sciences: Computer Studies, students are able to demonstrate a strong foundation of knowledge in computer hardware, software, networking, and programming.

Required Core: Select at least 18 units from below with at least 3 units from each discipline (18-20)

CIS 7 Introduction to Programming Concepts and Methodologies.....	3
CIS 8 Essential Computing Skills.....	2
CIS 10 Business Data Analytics.....	3
CIS 11 Data Visualization Tools.....	3
CIS 43 Professional Communications.....	3
CIS 44 IT Fundamentals+.....	2
CIS 50 Introduction to Computing Information Technology.....	3
CIS 54 Excel: Introduction to Spreadsheets.....	4
CIS 55 Integrating Office Applications.....	4
CIS 55B Advanced MS Office Skills.....	2
CIS 57 Database Concepts.....	3
CIS 59 Web Dev: HTML/CSS/Javascript.....	3
CIS 59C Web Programming - JavaScript.....	3
CIS 60 Systems Analysis and Design.....	3
CIS 62 Project Management.....	3
CIS 65 Introduction to Desktop Operating Systems.....	2
CIS 66 Networking Fundamentals.....	3
CIS 88A Introduction to Microsoft Word.....	1.5
CIS 88B Adv Microsoft Word.....	1.5
CIS 89A Desktop Presentation.....	1
CIS 89B Desktop Publishing.....	1
CIS 9001 Database Design Methodology.....	3
CIS 9002 Introduction to Database Management.....	3
CIS 9003 ORACLE: Database Programming with PL/SQL.....	3
CNT 43 Professional Communications.....	3
CNT 51 CompTIA's A+ Certification Computer Technician.....	4
CNT 52 Networking Fundamentals.....	3
CNT 55 MCSA I Windows Server Installation, Storage, and Compute.....	3
CNT 56 MCSA II Networking with Windows Server.....	3
CNT 57 MCSA III Identity with Windows Server.....	3
CNT 68 Digital Forensics Fundamentals.....	3
CNT 69 Network Security; CompTIA Security + Certification.....	3
CNT 7285 Cloud Infrastructure: CompTIA Cloud+ Certification.....	3
CNT 7401 Red Hat Linux Administration I.....	3
CNT 7402 Red Hat Linux Administration II.....	3
CNT 7501 Ethical Hacking.....	3
CNT 7701 IT Virtualization, Data Centers, VMware Certification.....	3
CNT 8001 Cisco CCNA1/3 Introduction to Networks (ITN).....	3
CNT 8002 Cisco CCNA2/3 Switching, Routing, and Wireless Essentials (SRWE).....	3
CNT 8003 Cisco CCNA3/3 Enterprise Networking, Security, and Automation v7.0 (ENSA).....	3
CS 1 Computing Fundamentals I.....	4
CS 2 Computing Fundamentals II.....	4
CS 3 Red Hat Linux Administration II.....	3
CS 4 Introduction to Artificial Intelligence.....	3
CS 5 Introduction to Machine Learning.....	3
CS 7 Introduction to Computer Programming Concepts.....	3
CS 20 Advanced Programming with Data Structures/C++.....	4
CS 21 Computer Organization and Assembly Language Programming.....	4
CS 31 Java Programming.....	4
CS 41 Red Hat Linux Administration I.....	3
CS 43 Professional Communications.....	3
CS 45 Database Programming.....	4
CS 47 Capstone Project.....	3

Total Units in the Area of Emphasis.....	18-20
General Education and Electives.....	40-42