Folsom Lake College

**Information**

Website: <http://www.flc.losrios.edu/>

Catalog: <http://www.flc.losrios.edu/academics/catalog>

Email:

Phone:  1-916-608-6500

Address: 10 College Parkway, Folsom, CA 95630

**Full Time Courses**

**Computer information Science**

**Degree**

A.S. — Computer Science

The Computer Science Degree provides a comprehensive exposure to computer science in preparation for upper-division computer science courses. The program also prepares students for entry level employment in the computer and related industries. The Computer Science Associate in Science (A.S.) Degree may be obtained by completion of the required program, plus general education unit total. See FLC graduation requirements, plus sufficient electives to meet a 60- unit total.

CISC 310 Introduction to Computer Information Science

CISP 300 Algorithm Design/Problem Solving

CISP 310 Assembly Language Prog. For Microcomputers

ENGR 303 Intro to Logic Design

CISP 360 Introduction to Structured Programming

CISP 400 Object Oriented Programming with C++

CISP 401 Object Oriented Programming with Java

CISP 430 Data Structures

CISP 440 Discrete Structures for Compute Science

CHEM 400 General Chemistry

CISP 351 Introduction to Relational Database Design & SQL

CISP 365 Windows API Programming with C

CISP 370 Beginning Visual Basic

CISP 371 Intermediate Visual Basic

CISP 405 Object Oriented Programming using C# on Visual Studio .NET

CISP 453 Introduction to Systems Programming in Unix

CISW 300 Client-Side Web Scripting

ENGR 303 Introduction to Logic Design

ENGR 400 Introduction to Electrical Circuits and Devices

MATH 400 Calculus I

MATH 401 Calculus II

PHYS 411 Mechanics of Solids and Fluids

PHYS 421 Electricity and Magnetism

PHYS 431 Heat, Waves, Light and Modern Physics

**CERTIFICATE OF ACHIEVEMENT**

CISC 310 Introduction to Computer Information Science

CISP 300 Algorithm Design/Problem Solving

CISP 360 Introduction to Structured Programming

CISP 370 Beginning Visual Basic

CISP 400 Object Oriented Programming with C++

CISP 401 Object Oriented Programming with JAVA

CISP 405 Object Oriented Programming using C# on Visual Studio .NET

CISP 371 Beginning Visual Basic

CISP 430 Data Structures

CISP 440 Discrete Structures for Computer Science

**CERTIFICATE OF ACHIEVEMENT**

**Computer Programmer - SQL**

**Relational Database Administration**

**Database Ladder - Level 1**

**CERTIFICATES OF RECOGNITION**

**Database Analyst – SQL**

This certificate is designed for beginning students as well as technical professionals who aspire to design, create, or administer relational databases and create client applications. Successful students will be prepared to apply for entry-level positions in industry such as business analyst. The Database Analyst Certificate is the first in a series of three certificate programs designed for the entry-level student and business user.

CISC 310 Intro to Computer Information Science

CISC 323 Linux Operating System

CISC 324 Intermed Linux Operating System

CISP 300 Algorithm Design/Problem Solving

CISP 351 Intro to Relational Database Design & SQL

CISP 352 Intermediate SQL

**Database Ladder - Level 2**

**CERTIFICATE OF ACHIEVEMENT**

**Computer Programmer - SQL**

This certificate is designed for students who have completed the Database Analyst – SQL Certificate and aspire to be entry level programmers using the Structured Query Language (SQL). This is the second in the series of three certificate in Relational Database Management Systems.

CISC 310 Intro to Computer Information Science

CISC 323 Linux Operating System

CISC 324 Intermed Linux Operating System

CISP 300 Algorithm Design/Problem Solving

CISP 351 Intro to Relational Database Design & SQL

CISP 352 Intermediate SQL

CISP 353 Application Development in a Client Server Environment

CISP 370 Beginning Visual BASIC

CISA 320 Database Management

CISA 321 Intermed Database Management

**Database Ladder - Level 3**

**CERTIFICATE OF ACHIEVEMENT**

**Relational Database Administration**

The Relational Database Administration Certificate is designed for a person who is responsible for interacting with SQL Programmers, Database Designers, Systems Administrators, and Network Engineers as well as the day-to-day operation of a Relational Database Management System. This course of study is appropriate for an entry level Database Administration position.

CISA 320 Database Management

CISA 321 Intermediate Database Management

CISC 310 Intro to Computer Information Science

CISC 323 Linux Operating System

CISC 324 Intermed Linux Operating System

CISC 325 Adv Linux Operating System

CISP 300 Algorithm Design/Problem Solving

CISP 351 Intro to Relational Database Design & SQL

CISP 352 Intermediate SQL

CISP 354 Intro to Relational Database Admin

**CERTIFICATES OF ACHIEVEMENT**

**M.I.S. - Application Technician**

**M.I.S. - Information Processing**

**CERTIFICATES OF RECOGNITION**

**M.I.S. - Application Data Entry**

**MIS Ladder - Level 1**

**CERTIFICATE OF RECOGNITION**

**Management Information Systems -**

**Application Data Entry**

This certificate is designed for persons who need to know how to perform computer-related data entry. Students who continue their education by pursuing another Office Administration or Management Information Systems certificate may do so without repeating any courses completed for this certificate.

BUSTEC 101 Computer Keyboarding: 10 Key

BUSTEC 110 Business Procedures for Professional Success

BUSTEC 302 Computer Keyboarding

BUSTEC 303 Computer Keyboard Formatting

CISA 300 Beginning Word Processing

CISA 308 Exploring Word Processing and Presentation Software

CISC 300 Computer Familiarization

CISC 308 Exploring Computer Environments and the Internet

CISC 310 Intro. to Computer Information Science

**MIS Ladder - Level 2**

**CERTIFICATE OF ACHIEVEMENT**

**Management Information Systems - Information**

**Processing**

This certificate is designed for the person who needs familiarity with the most common operating system and computerized business application programs such as word processing, presentation graphics, spreadsheets, and databases.

BUS 310 Business Communications

BUSTEC 101 Computer Keyboarding: 10-Key

BUSTEC 110 Business Procedures for Professional Success

BUSTEC 302 Computer-Keyboarding

BUSTEC 303 Computer-Keyboard Formatting

CISA 300 Beginning Word Processing

CISA 308 Exploring Word Processing and Presentation Software

CISA 310 Introduction to Electronic Spreadsheets

CISA 320 Introduction to Database Management

CISC 300 Computer Familiarization

CISC 310 Introduction to Computer Information Science

CISC 308 Exploring Computer Environments and the Internet

CISC 320 Operating Systems

**MIS Ladder - Level 3**

**CERTIFICATE OF ACHIEVEMENT**

**Management Information Systems – Application Technician**

This certificate provides additional training in the use of the most common computerized business application programs. This course of study would be appropriate for a user who is the lead person in an office.

BUS 310 Business Communications

BUSTEC 101 Computer Keyboarding: 10-Key

BUSTEC 110 Business Procedures for Professional Success

BUSTEC 302 Computer-Keyboarding

BUSTEC 303 Computer-Keyboard Formatting

CISA 300 Beginning Word Processing

CISA 301 Intermediate Word Processing

CISA 310 Introduction to Electronic Spreadsheets

CISA 311 Intermediate Electronic Spreadsheets

CISA 320 Introduction to Database Management

CISA 321 Intermediate Database Management

CISA 308 Exploring Word Processing and Presentation Software

CISA340 Presentation Graphics

CISC 300 Computer Familiarization

CISC 310 Introduction to Computer Information Science

CISC 308 Exploring Computer Environments and the Internet

CISC 320 Operating Systems

**Energy (ENERGY)**

Energy 305 Introduction to Energy Efficiency and Alternative Energy Systems

**Engineering (ENGR)**

ENGR 300 Introduction to Engineering

ENGR 303 Introduction to Logic Design

ENGR 312 Engineering Graphics

ENGR 400 Introduction to Electrical Circuits and Devices

ENGR 420 Statics

ENGR 495 Independent Studies in Engineering

ENGR 499 Experimental Offering in Engineering