



LaSalle College

COMPUTER SCIENCE TECHNOLOGY ADMINISTRATIVE DATA PROCESSING

**DEC DIPLOMA OF COLLEGE STUDIES
DAY | 6 SEMESTERS**

420.AA

The Computer Science Technology program (DEC), with the Administrative Data Processing specialization stream, trains computer technicians to locate, collect and analyze data on the information processing needs of users.

Students will learn how to achieve data modeling and data processing with the appropriate software. They will be able to write operational and efficient programs using various programming languages, and oversee network planning and implementation, allowing for the secure sharing of information.

The Data Management option allows students to acquire the skills necessary for analyzing and developing applications related to the management and use of a local network.

Are you passionate about computer science and management? Do you want to learn about how companies use technology? If yes, this program's for you.

PROGRAM OBJECTIVES

The program's main objectives are related to mastering methods of analyzing user needs, composing computer specifications, and learning concepts related to data modeling.

CAREER PROSPECTS

- Analyst / Programmer
- Application Analyst
- Database Administrator
- Technical Editor – Business Applications
- Computer Services Representative
- Database Creator
- Computer and Network Technician





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PROGRAM CONTENT

CONCENTRATION COURSES

- Computer Environment
- Elements of Data Processing
- Structured Programming
- Applied Mathematics
- Computer Architecture
- Introduction to Object Programming
- Applied Statistics
- Operating Systems
- Management Language
- Databases
- Advanced Object Programming
- Networking
- Data Structures
- Advanced Databases
- Event Programming (Developing Client-Server Applications)
- Communication and Relations
- Information Systems I
- Multimedia Development
- Professional Integration Preparation
- Database Development
- Information Systems II
- Advanced Management Language
- Internet Programming I
- Internet Programming II
- Internship I
- Internship II

GENERAL EDUCATION COURSES

- 3 Physical Education Courses
- 3 Humanities Courses
- 4 Language and Literature Courses
- 2 Second Language Courses
- 2 Complementary Courses

ADMISSION CRITERIA

- This program leads to a Diploma of College Studies (DEC).
- Holders of a Diploma of College Studies (DEC) can either begin to work in their field or pursue university studies.

SPECIAL NOTES

Contents of the courses in the Diploma of College Studies (DEC) Computer Science Technology Program are given for information purposes only. LaSalle College reserves the right to change, modify, add or remove one or several software programs or languages of application at any time, while respecting the program objectives and the recommendations contained within the college teaching guide.

COMPUTER CLUB

The School includes a student-run computer club, which provides support to new computer science students and organizes sports and cultural activities.

