

DAY | 4 SEMESTERS
1650 hours

AEC
LEA.3Q

Computer science, the most widespread technology tool of our time, offering the greatest possibilities for research and development, represents the best way to ensure a stable and promising career.

The Information technology programmer-analyst program (AEC) trains students to locate, collect and analyze data on the information processing needs of users; to carry out data modeling and processing using fourth generation software; and to configure network applications.

This programming course students with quality training and prepares them to break quickly into the job market. The program will prepare students for one of the following certifications: CompTIA A+, Microsoft MCSD (Visual Basic .NET, Visual C++, etc.) and Oracle OCA (SQL, PL/SQL).

Bring Your Own Device

In this program, the use of a laptop computer is mandatory. Students must have a laptop or purchase one before beginning their studies. This laptop must be equipped with the Windows operating system to work with all software. Standard or student license software must be installed when requested by teachers.

The following features are required for PCs:

- Processor: Intel I5 or AMD A8 compatible with VT-X virtualization
- Memory: 8 GB minimum
- Hard drive: 500 GB minimum
- Screen: 14 inches minimum
- Connectivity: USB 3.0, WIFI and NIC LAN
- You will need a USB-RJ45 adaptor if your laptop doesn't have a network jack

Required software: Office suite

Employment Prospects

Upon completion of the program, graduates will be able to make the most of their skills and work in a number of possible positions:

- Programmer Analyst
- Technical Support
- Analyst and Management-Software Developer
- Technical Maintenance of Computers and their Peripherals
- Database Designer
- Computer Consultant

Admission Criteria

- Have deemed sufficient computer skills;
- Have a training deemed sufficient and meet the admission criteria set for college studies.



Specialized training

- Databases I (90 h)
- Applied Mathematics (60 h)
- Algorithms and Programming (90 h)
- Computer Architecture (75 h)
- Computer Tools (45 h)
- Introduction to Web Development (45 h)
- Object Oriented Programming Concepts (90 h)
- Operating Systems and Networking (60 h)
- Web Client Development (90 h)
- Information System Analysis and Modeling (90 h)
- Databases II (60 h)
- Web Server Applications Development I (90 h)
- Advanced Object-Oriented Programming (75 h)
- iOS Mobile Development (75 h)
- Scripting Language (60 h)
- Multi-tier Applications Development (90 h)
- Web Server Applications Development II (75 h)
- Android Mobile Development (75 h)
- Trends in Technology (60 h)
- Internship (255 h)

* Le collège se réserve le droit de remplacer certains cours.

Special notes

Course content of the Attestation of Collegial Studies (AEC) program is given for information purposes only. LaSalle College reserves the right to change, modify, add or remove one or several software programs or programming languages from the curriculum at any time. Any such changes will, however be made without affecting either our stated teaching objectives.

Internships

Students must complete their attestation with a 270 hours internship within a business.

