LA Mission College Career Center

COMPUTER SCIENCE

MAJOR SHEETS

SKILLS
(things you will learn or use)

- Computer literacy
- Computer programming skills
- Data analysis
- Time management
- Detail orientated
- Problem solving
- Math and reasoning skills
- Ability to work independently
- Ability to work under pressure

INTEREST

- Working with technology
- Experimentation
- Working independently
- Analyzing data
- Learning about new forms of technology
- Computer coding
- Solving complex problems
- Learning how things work

WHAT IS COMPUTER SCIENCE?

Computer Science is the study of computers and computing, including their algorithmic processes, principles, their hardware and software designs, their applications and their impact on society. Principle areas of study within Computer Science include artificial intelligence, computer systems and networks, security, database systems, human computer interaction, vision and graphics, numerical analysis, programming languages, software engineering, bioinformatics and theory of computing.

LAMC DEGREES & CERTIFICATES OFFERED

- **Associate of Science in Computer Science**
- **Associate of Science in Cloud Computing**
- **Associate of Science in Computer Programmer**
- **Associate of Science in Cyber Security Associate**
- **Associate of Science in Full Stack Developer**
- **Certificate of Achievement in Cloud Computing**
- **Certificate of Achievement in Computer Programmer**
- **Certificate of Achievement in Cyber Security Associate**
- **Certificate of Achievement in Full stack Developer**
- **Certificate of Accomplishment in Cyber Security Associate**

TRANSFER RELATED MAJORS

- **CSU Monterey Bay:** Computer Science
- **Sacramento State:** Computer Science
- **San Diego State:** Computer Engineering and Computer Science
- **CSU San Bernardino:** Computer Science
- **CSU Los Angeles:** Computer Science
- **CSU Northridge:** Computer Science
- **Cal Poly Pomona:** Computer Science
- **UC Berkeley:** Computer Science
- **UC Los Angeles:** Computer Science, Computer Engineering, and Computer Science & Engineering
- **Stanford University:** Computer Science

WORK ENVIRONMENT

- Much time is spent operating, programming, and controlling a computer-controlled robotic machine
- Using scientific analysis and mathematical models to predict and measure outcome
- Conducting experiments to analyze and evaluate tools and methods
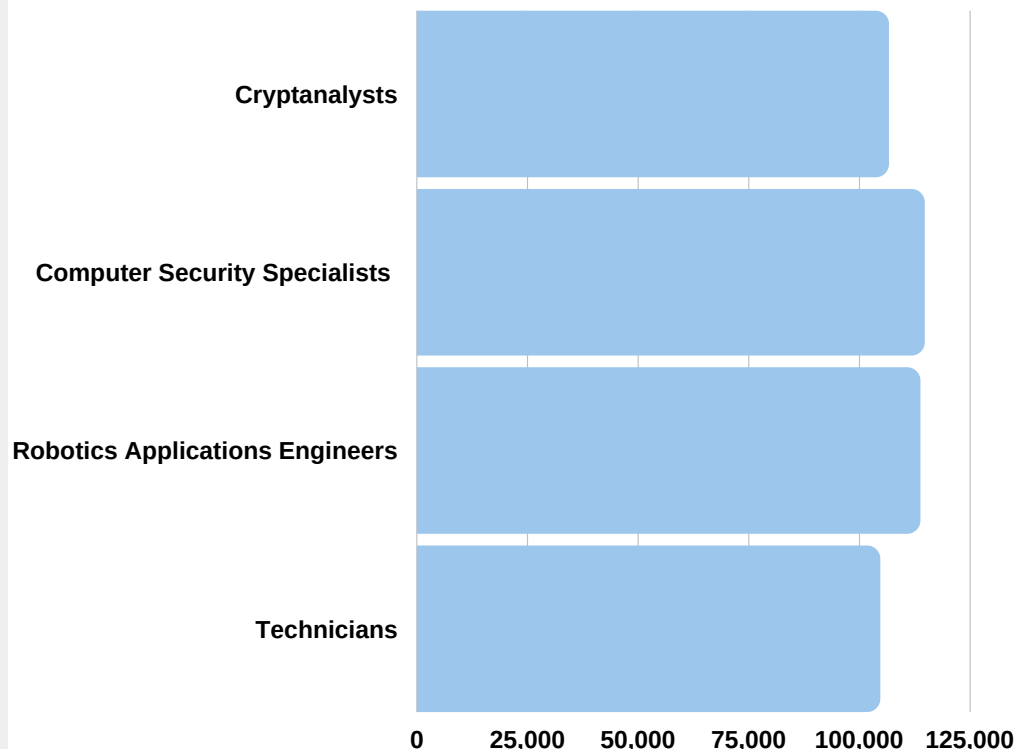- Performing tests on a target computer or on special simulators

POTENTIAL JOB TITLES

- Data scientist
- Database administrator
- Computer hardware engineer
- Information security analyst
- IT project manager
- Web developer
- Computer systems analyst
- Technicians
- Game designer
- Robotics Applications Engineers

POTENTIAL EMPLOYERS

- Software companies
- Freelance work
- Social media company
- IT departments of private businesses
- Colleges/universities
- Cyber security companies

*EARNINGS

	0	25,000	50,000	75,000	100,000	125,000
Cryptanalysts						
Computer Security Specialists						
Robotics Applications Engineers						
Technicians						

*Earning can vary by occupation and experience. The following are average annual wages as of 2019 in California based on California Career Zone https://www.cacareerzone.org/

ADDITIONAL INFORMATION

www.lamission.edu/careercenter
http://www.lamission.edu/Computer-Science/Home.aspx
www.assist.org
www.salary.com
https://uncw.edu/career/whatcanidowithamajorin.html
www.cacareerzone.org
http://degrees.calstate.edu/
https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf

This general information is provided by the LA Mission College Career Center. For specific information about majors and careers please email us to make an appointment at careercenter@lamission.edu