COMPUTER PROGRAMMER

MAJOR SHEETS

SKILLS
(things you will learn or use)

- How to work with extreme accuracy even under pressure
- How to:
  - Write documentation of computer procedures
  - Use a variety of computer languages
  - Write, edit and debug computers programs

INTEREST

- Be precise and organized
- Work according to set procedures of a computer language or hardware requirements
- Operate and control machines, frequently using hands, arms and fingers
- Concentrate for long periods of time

WHAT IS A COMPUTER PROGRAMMER?

Computer Programmers write and maintain computer programs. They follow programming procedures to write detailed instructions to the computer to solve storage, processing, retrieval, mathematical, business, engineering, and scientific problems. They determine the best use of the computer to achieve the desired output. They write programs using a computer language. They test these programs for bugs and correct errors. To maintain programs and make changes to these programs. They document the process, prepare information about the computer, and write instructions for the Computer Operator and computer user.

LAMC DEGREES & CERTIFICATES OFFERED
- Certificate of Achievement in Computer Programmer
- Associate of Science in Computer Programmer

TRANSFER RELATED MAJORS
- CSPU San Luis Obispo: Computer Science
- CSPU Pomona: Computer Information Systems and Computer Science
- CSU Bakersfield: Computer Science
- CSU Channel Islands: Computer Science
- CSU Chico: Computer Information Systems and Computer Science
- CSU Dominguez Hills: Computer Science and Computer Technology
- CSU East Bay: Computer Science
- CSU Fresno: Computer Information Systems and Computer Science
- CSU Fullerton: Computer Science
- CSU Humboldt State University: Computer Science
- CSU Long Beach: Computer Science
- CSU Los Angeles: Computer Science
- CSU Monterey Bay: Computer Science
- CSU Northridge: Computer Science
- CSU Sacramento: Computer Science
- CSU San Bernardino: Bioinformatics, Computer Science, and Computer Systems
- CSU San Diego State University: Computer Science
- CSU San Jose State University: Computer Science
- CSU San Marcos: Computer Science
- CSU Sonoma State University: Computer Science
- CSU Stanislaus: Computer Science
- All 9 UC's offer degrees related to Computer Programming. Please visit the Career Center for more information

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POTENTIAL JOB TITLES/EMPLOYMENT

- ## Computer and Information Systems Managers
- ## Business Programmers
- ## Game Developers
- ## Network Specialists

*EARNINGS

	Earnings (annual wages)
Comp. & Info. Systems Managers	~185,000
Business Programmers	~135,000
Game Developers	~105,000
Network Specialists	~75,000

(Chart axis: 0 – 50,000 – 100,000 – 150,000 – 200,000)

*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/

WORK ENVIRONMENT

- Indoors, in or near computer rooms
- Most time is spent working with computers
- Work is usually done sitting at computers
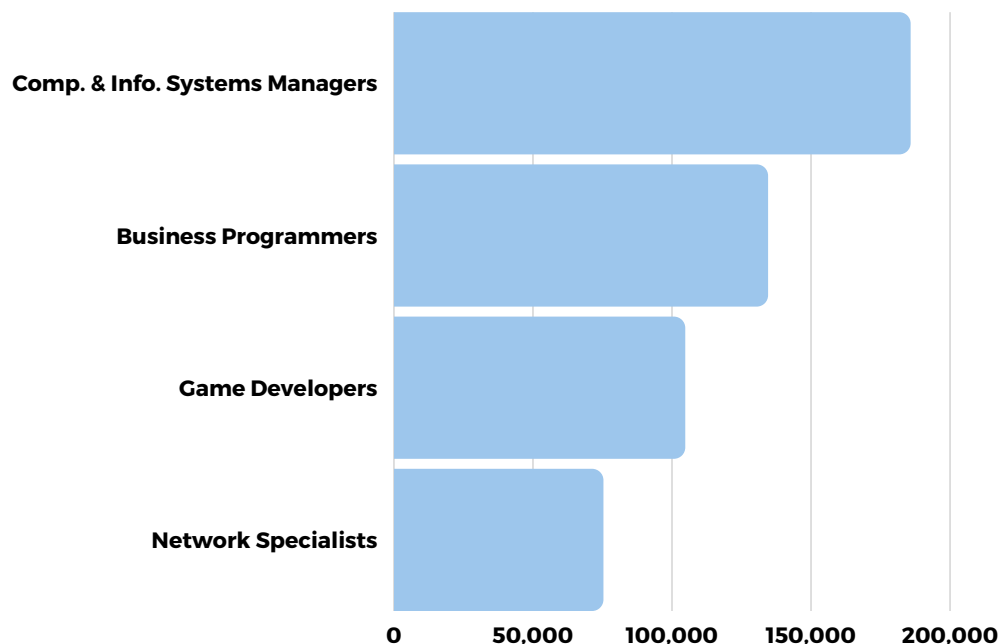- Long hours may be required to meet deadlines and emergencies

WEBSITE RESOURCES

www.lamission.edu/careercenter
https://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