The U.S. Department of Labor projects about 776,600 new employments in computer occupations from 2008 to 2018. The nationwide average starting salary for computer science graduates is $61,407 – one of the highest salaries for a four year degree.

b National Association of Colleges and Employers, July 2009

For More Information, Contact:

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Web site:
http://www.calu.edu/academics/programs/computer-science/index.htm
Mission and Objectives:
To provide students with a high quality, well rounded education that meets the needs of the Commonwealth.

This high quality program focuses on three objectives:
- to produce graduates who will be successful professionals in industry and graduate school,
- to produce graduates who will be life-long learners and keep current in their professional field, and
- to produce graduates who will perform ethically and professionally in industry and society.

Internship & Career Options:
After students complete their sophomore year, they are eligible to apply for a Computer Science Internship. Internships allow students to learn while they earn, and prepare students for immediate employment upon graduation.

Some of our graduates choose to continue their education and have gone on to achieve Masters and Doctorates.

Our graduates currently work in various employment situations, including Director of IT, Programmer, Web Developer, Clinical Systems Analyst, Professor, Software Engineer, and Applications Analyst. Some employers include the FBI, PTC, Progeny, State Farm Insurance, US Steel, Voltex Inc., Eaton, Northrop Grumman Corp, Indus International, Advanced Acoustic Concepts, GNC, VigilantMinds, and several universities.

Required and Elective Courses in Computer Sciences – 69 credits
CSC 120 Problem Solving & Programming Constructs
CSC 124 Computer Programming I
CSC 216 Logic & Switching Theory
CSC 265 Object-Oriented Programming
CSC 302 Visual Programming
CSC 304 COBOL
CSC 306 FORTRAN
CSC 321 Data Base Management Systems and DB Design
CSC 323 Assembly Programming
CSC 328 Data Structures
CSC 350 Technical Computing using Java
CSC 360 Analysis of Algorithms
CSC 378 Computer Architecture
CSC 400 Operating Systems
CSC 419 Internship
CSC 420 Artificial Intelligence
CSC 424 Numerical Analysis
CSC 455 Structures of Programming Languages
CSC 460 Language Translation
CSC 475 Theory of Languages
CSC 485 Special Topics in Computer Science
CSC 490 Senior Project I
CSC 492 Senior Project II

Required and Elective Courses in Mathematics & Natural Science – 30 credits
MAT 195 Discrete Mathematical Structures
MAT 215 Statistics
MAT 281 Calculus I
MAT 282 Calculus II
MAT 341 Linear Algebra I
MAT 381 Calculus III
MAT 441 Linear Algebra II
and 12 credits of Natural Science

University Resources:
Based on a tradition of teaching excellence, Cal U offers a dedicated faculty and small class sizes.

At the same time, the department has state-of-the art facilities that allow many courses to be taught in computer laboratories. We emphasize learning technologies in demand in the marketplace. Wireless broadband is available in the Eberly Science and Technology Building, in student dorm rooms, and at other campus locations. We have a computer laboratory near our classrooms for students’ convenience. This is in addition to the many computer laboratories available throughout the campus. Our Computer Science program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.