Intrigued by numbers or computers?

Find your place here

MATH & COMPUTER SCIENCE DEPARTMENT
Three distinct programs.
Unlimited opportunities for success.
The future is now for students in Cal U’s dynamic Math & Computer Science Department. We start by providing strong academic training in the three unique fields — math, computer science and computer information systems. But there’s more to our programs. Cal U helps students develop strong problem-solving and decision-making skills, critical thinking techniques and good interpersonal communications. With this combination, our graduates are well-prepared for successful careers in business, industry, government and education, or to pursue advanced degrees.

Which program is best for you?
Do you love to solve puzzles or exchange ideas about new theories? Computer Science might be just what you’re looking for. Our fully accredited computer science program challenges students to create new technologies and artificial intelligence that improve our overall quality of life, whether it’s in the field of telecommunications, medicine, robotics or entertainment. If you’re interested in mathematical algorithms and the inner workings of technology, you’ll go far in the field of Computer Science.

Do you think technology is a tool to help us do things better?
Choose our Computer Information Systems (CIS) program. CIS specialists are experts at creating solutions for the workplace. They create databases, application systems and vital communications networks, and make sure the right information is delivered to the right place at the right time. If you have an interest in using technology to solve business problems, our CIS program will put you on the right track.

Are you a problem solver at heart?
Do you enjoy abstract thinking and mathematical discovery? If so, discover all the answers as a Math major. Mathematicians are in high demand in business and industry, serving as actuaries, statisticians, bankers, market researchers, financial analysts and more. These jobs usually involve the application of mathematics to derive economic solutions to technical, industrial or business problems. Sometimes the job may be to predict the outcome of a particular event and to determine the most cost-efficient way to prevent the event, or to pay for solutions when the event occurs. Many Math majors choose to be educators, as well. At Cal U, you have the option of pursuing a B.A. in Mathematics, or obtain a dual degree by combining your Math major with a B.S. in Secondary Education.

38%-56% is the estimated 2002-2012 U.S. JOB GROWTH IN COMPUTER SCIENCE

it all adds up

“When you think about it...”

“Everything we touch has something to do with computers or math. Cell phones, video games — all the cool technology — starts with someone like me. I’m a problem solver and I like the idea of finding a career that lets me shape the future.”
The field is growing — and so are salaries.

There’s good news for graduates with technology degrees. The U.S. Department of Labor projects more than a million new computer science, IT (includes computer information systems) and math jobs will be created from 2002-2012. Estimates for job growth in the U.S. range from 38-56% across the computing spectrum. Along with the growth in jobs, comes a corresponding growth in compensation. In fact, the nationwide average starting salary for computer science and computer information system graduates is between $35,500-$50,950, one of the highest salaries for a four-year degree. The annual salary for a network administrator averages over $58,000, with entry-level wages often reaching more than $38,000.

For those with a degree in mathematics, average starting salaries ranged from $43,000-$61,555 in 2005, depending upon the field. With more choices and more opportunities, there’s never been a better time to begin a career in computing.

Technology meets real-world experience.

At Cal U, technology is more than just a buzzword. It’s built into the way we teach—and the way our students learn. Wireless broadband technology is available throughout the campus, as well as in the Eberly Science and Technology Building. Classes are small to encourage interaction and teamwork. Professors with real-world expertise shepherd students through every step of the educational process. Another big advantage is that many classes are taught in computer labs, so students get hands-on experience while they are learning.

Building confidence. Securing jobs.

At Cal U, work experience in the field is a vital part of every Math & Computer Science program. All students are required to complete a senior project—a six-credit course that spans one year. Working as a group under the supervision of a dedicated professor, students learn to apply all their skills in one highly specialized project.

Internships play a key role.

After your sophomore year, you’ll have the opportunity to apply for an internship that will really prepare you for immediate employment after graduation. Many internships have resulted in job offers after graduation.

Adding value to an already valuable degree.

At Cal U, programs such as the Cisco Certified Network Associate (CCNA) courses provide CIS students with the credentials they’ll need to enter the exciting career of computer networking. Cisco-certified faculty offer personalized instruction in custom-designed labs, right on campus. Upon completion of the four-course program, students receive national certification, making them a highly desirable addition to any corporate networking team.

Cal offers a great selection of courses that cover a wide range of computer-related fields. This gives students the chance to find their ‘niche’ and to become well rounded in most of the major areas of computing.
California University of Pennsylvania is an academic community dedicated to the ideals of justice, fairness and equal opportunity for all. In compliance with federal and state laws, the University is committed to providing equal educational and employment opportunities for all persons without regard to race, color, sex, religion, national origin, age, disability, ancestry, sexual orientation, or status as a disabled or Vietnam-era veteran. The University will not tolerate racial, ethnic or sexual discrimination. Sexual harassment is considered by law to be a form of sexual discrimination and is, therefore, unacceptable. Direct equal opportunity and affirmative action inquiries or complaints to the Special Assistant to the President for EEO/University Ombudsperson, Office of Social Equity, South Hall 112, 724-938-4014. Direct inquiries regarding services or facilities accessibility to the ADA/504, Dr. Timothy Susick, Compliance Officer, Office of Student Development and Services, G 52 Carter Hall 724-938-4056. Direct Title IX inquiries to the Senior Women’s Administrator/Title IX Coordinator, Department of Athletics, Hamer Hall 248, 724-938-4351.

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INTEGRITY, CIVILITY, RESPONSIBILITY
A proud member of the Pennsylvania State System of Higher Education.

The best way to get to know Cal U is to visit our campus. Contact the Admissions office to schedule a visit. Tours are offered hourly, from 9 a.m. until 3 p.m., Monday – Friday. Please call ahead so we can help you with directions, parking and other details.

I take CIS courses because I always have had an interest in computers, technology and the changing dynamics of the field. I want to have an edge in the increasingly competitive job market. I also liked that many of my instructors have life experience in the field in which they are teaching.

CALU
BUILDING CHARACTER. BUILDING CAREERS.