

Programs in the Field of

Engineering, Computer Science and Technical

The Path for Problem Solvers

In this sector, each program provides a dynamic, hands-on education, focused on the skills you'll use in industry. Whether you're an experienced professional or just starting out, we can help you find a degree or certificate to match your goals.

When you graduate, you'll enter the workforce with the scientific and technical ability to tackle the world's toughest challenges. And with innovation and entrepreneurship integrated into your everyday job skills, you'll know how to build a business, grow an organization and form breakthrough ideas.

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4-6%
ENGINEERING

Growth rate for jobs.

12%
COMPUTER SCIENCE

\$81,440

Average salary in the engineering sector.

262,755

master's-level job listings in the engineering sector in the last year.

546,200

new computer science jobs to be created in the next decade.



With innovation and entrepreneurship integrated into your everyday job skills, you'll know how to build a business, grow an organization and form breakthrough ideas.

Major companies in Los Angeles, such as Boeing, Medtronic, Activision Blizzard and Aerojet Rocketdyne, continue to recruit our engineering and technical graduates, accelerating their careers and deepening the university's strong connections to industry.

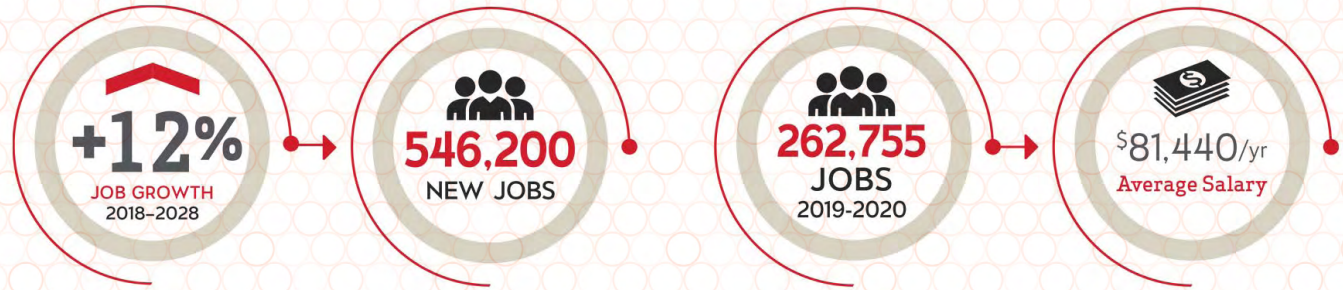
Wherever you go, with an education in this sector, you'll find yourself at the center of the world's most challenging and rewarding work: space flight, mass communications, health care and big tech. Explore our options – from short-term leadership certificates to industry focused graduate degrees – and build the future you want.

Be ready on day one.



Job Outlook

When choosing a program, it's important to know the outcomes of previous students. Whether they went on to successful careers or what jobs they began after graduation – this data can help you plan your future and decide which program is right for you.



Computer Science:

Employment of computer and information technology occupations is projected to grow 12% from 2018 to 2028, much faster than the average for all occupations. These occupations are projected to add about 546,200 new jobs.

Engineering, Computer Science and Technical:

Between January 2019 to May 2020, there were 262,755 unique job postings requiring a master's degree. The median annual wage for architecture and engineering occupations was \$81,440 in May 2019.

Where Our Alumni Are Today



5,002
Number of alumni
working in this
sector



Top job titles:

- Chief Executive Officers (CEO)
- Mechanical Engineers
- Project Engineers (Architecture and Engineering)
- Systems Engineers (Architecture and Engineering)
- Program Managers (Management)
- Project Managers (Management)
- Engineering Managers
- Software Developers
- Chief Technology Officers (CTO)
- Information Technology (IT) Managers



Companies they work for:

- Northrop Grumman Corporation
- Hamilton Sundstrand Corporation
- Raytheon Company
- NASA/Jet Propulsion Laboratory, Inc.
- Aerojet Rocketdyne Holdings, Inc.
- Medtronic, Inc.
- Los Angeles Department of Water and Power
- Amgen Inc.

Features to help you advance in your career.



Get ongoing, personal support.

From day one, you'll receive the support of a personal program team. These specialists, in addition to being good listeners, can help you with all administrative matters, freeing you to focus on your course work and your career.



Learn with a community – from start to finish.

When you start a new program, you'll join a learning community of students and faculty. With this group of professionals and industry experts, you'll move toward graduation, building a network along the way and setting the stage for advancement in your field.



Professional programs from a university you can trust.

All of our programs are accredited by the Western Association of Schools and Colleges (WASC), and many possess field-specific accreditations as well. On professional and licensure exams, our students regularly score as high as or higher than their on-campus counterparts – and, in many fields, we lead the nation in pass rates.



Receive guaranteed tuition.

When you enter one of our programs, you pay the same price from start to finish. No changes, no increases – just the amount you agreed to at the start. By ensuring a fixed price, we give you the peace of mind to continue your studies without changes or disruptions.



Take courses designed and taught by industry experts.

Before a program begins, our professors spend four to six months working with a credentialed instructional designer. During that time, the team works to integrate the instructor's personal teaching style and expertise into every lecture, assignment and learning module.



Learn your field from anywhere, at any time.

Interested in career advancement, but prefer to learn virtually? On our convenient online platform, you can earn your professional experience and credentials without ever leaving the comfort and safety of home. Our online courses feature real-time class sessions, on-demand access to learning materials, and frequent networking opportunities with your peers. Learn more about [CSUN's Approach to Online Programs](#).

Master's Degrees

ENGINEERING MANAGEMENT

This program provides you with the leadership training and technical expertise to manage high-level engineering projects, teams and resources. In addition to robust technical and management training, the program also includes a certificate that helps you integrate innovation and entrepreneurship into your work – a skill desired by organizations nationwide.

ASSISTIVE TECHNOLOGY ENGINEERING

This program prepares you for a career in assistive technology development. In courses with other technical professionals, you'll learn how to design and develop new assistive technology products, manage projects and teams, identify new uses for existing assistive technologies, and expand your technical abilities.

KNOWLEDGE MANAGEMENT

In this program, you'll develop the advanced conceptual skills to manage the knowledge-based assets of various organizations in the sector. In great need by engineering and technical firms, this degree – and the abilities it provides – will help you manage data, foster innovation, and improve organizational performance.

INSTRUCTIONAL DESIGN

Like the corporate sector, engineering and technical firms require sophisticated training for their personnel and the communities they serve. With this degree, you can design, implement and assess educational programs, such as online courses, professional development seminars and how-to modules for public sector goods and services. You can also, thanks to an embedded certificate, develop instructional games and simulations, allowing you to teach your community through “play.”

Certificates

SMART MANUFACTURING

In this short-term program, you'll receive the advanced preparation needed for a career in smart manufacturing. Through practical course work, you'll learn how to use data analytics and artificial intelligence to improve the efficiency, sustainability and financial performance of manufacturing systems.

BUSINESS ADMINISTRATION

This one-year program provides a foundation in business education for those with an undergraduate degree in fields other than business, and it also serves as an entrée into the CSUN Nazarian MBA for those who wish to pursue that path.

LEADERSHIP IN THE AGE OF DISRUPTION

This program helps senior engineering and technical professionals view emerging issues through a new lens. As the sector takes on new platforms and methods, a new, more adaptive leadership must arise to address the changing trends. By taking this certificate, you'll know how to implement innovation, respond to disruptions and lead in uncertain times.

Explore our options – from short-term leadership certificates to industry focused graduate degrees – and build the future you want.

Access to University Courses

OPEN UNIVERSITY

Interested in a single course? With Open University, you can take CSUN courses without enrolling in a program – the perfect way to explore your passion.

WINTER TERM AND SUMMER SESSION

These accelerated-format university courses can help you learn a new topic, build professional skills, or prepare for future study.

Contracted Programs

CSUN develops a wide range of educational and professional development programs at the undergraduate, graduate and post-graduate levels. Often shorter in duration, these programs include everything from business, communications and the sciences, to engineering, humanities and the arts. If you have a program in mind, [we're prepared to help you build it](#), no matter how technical or specific the content.

LEARN MORE
go.csun.edu/PathForProblemSolvers