

# Online M.S. in Electrical Engineering Program



## Estimated Cost

\$27,330 including fees  
Details available on our website.



## Minimum Completion Time

2 Years



## Course Format

100% Online, Self-Paced

## Take Your Engineering Career to the Next Level

With expert faculty, a robust network of industry partners, and a state-of-the-art curriculum, SDSU's Electrical Engineering program will help you take on high-level leadership positions in the field of electrical engineering. Our self-paced online courses are led by expert instructors from SDSU's renowned College of Engineering and accessible from anywhere. You'll focus on topics that are essential to your success in the field, including:

- Communication Systems
- Digital Signal Processing
- Electromagnetic Systems
- VLSI Systems
- Power Systems
- Renewable Energy
- Computer Networks
- Coding Theory

You'll also be able to customize your master's degree by studying one of two specializations: Energy Systems and Power and Communications and Networks.

## Labor Analysis

### M.S. in Electrical Engineering – Nationwide



## Job Postings

73,123 Last  
12 months



## Projected Growth

+20.44% Over 10 years



## Salary Range Average

\$69,000–\$108,000

Source: BLS & Burning Glass Technologies, 2020

## Program Highlights

- Self-paced online courses
- Accessible from anywhere in the world
- Virtual office hours with instructors available for all students
- Many potential career paths in commercial, industrial, military, and scientific sectors
- Forward-thinking curriculum designed with the help of SDSU's College of Engineering and local industry partners, including SDG&E and Naval Information Warfare Systems Command (NAVWAR)
- Culminating Capstone Project presented to a panel of faculty members

Earn the same degree as on-campus students, a Master of Science in Electrical Engineering from San Diego State University

## How to Apply

To apply, you must hold a bachelor's degree in a STEM-related field. You must also hold a minimum GPA of 2.85 in the last 60 semester (90 quarter) units of technical course work.

International applicants must hold a bachelor's degree in a STEM-related field from a recognized program. You must have an equivalent GPA of 3.0 or higher in all technical course work, and you must demonstrate English proficiency through a TOEFL or an IELTS exam.

## Want to Learn More?

For more information, please contact your Student Service Coordinator at **(619) 594-7700** or [recruiter.global@sdsu.edu](mailto:recruiter.global@sdsu.edu).



## Online M.S. in Electrical Engineering Program

To earn your M.S. in Electrical Engineering from SDSU, students must complete nine (9) core course units and twenty-one (21) specialization course units.

### Core Courses (9 Units)

- COMP E 596 Machine Learning (3 Units)
- EE 602 Stochastic Signals and Systems (3 Units)
- EE 798 Special Study (3 Units)



### Specialization Courses (21 Units)

#### Energy Systems and Power Specialization

- EE 601 Linear System Theory and Design (3 Units)
- EE 581 Power System Dynamics (3 Units)
- EE 584 Power Electronics (3 Units)
- EE 586 Distributed Energy Resources and Smart Grid Technologies (3 Units)
- EE 684 Advanced Power Electronics (3 Units)
- EE 658 Advanced Digital Signal Processing (3 Units)
- EE 685 Micro-Electro-Mechanical Systems (MEMS) Design and Applications (3 Units)

Or

#### Communications and Networks Specialization

- COMPE 560 Computer Networks (3 Units)
- EE 660 High Speed Networks (3 Units)
- EE 558 Digital Communications (3 Units)
- EE 650 Modern Communication Theory (3 Units)
- EE 652 Information Theory (3 Units)
- EE 653 Coding Theory (3 Units)
- EE 662 Wireless Sensor Networks (3 Units)

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