GETTING IN

Admission Requirements

- A BS in Electrical & Electronic Engineering, or equivalent
- A 3.0 GPA in the BS, **or** a 3.25 GPA in the last 60 units

Priority Deadlines

FALL START	SPRING START
April 1	October 1

Applications are accepted while space remains.

How to Apply

1. Submit the online application through Cal State Apply.
2. Send official transcripts from every college attended (other than Sac State) to the Office of Graduate Studies.
3. Expect a decision about six weeks after all materials arrive.

CONTACT US

Visit the Department

Department of Electrical & Electronic Engineering

Riverside Hall 3018

6000 J Street, Sacramento, CA 95819

(916) 278-6873

GRADUATE COORDINATOR

Dr. Mohammed Eltayeb

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OFFICE OF GRADUATE STUDIES

River Front Center 215

(916) 278-6470

Learn more online

csus.edu/college/engineering-computer-science/electrical-engineering

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Sacramento State

COLLEGE OF ENGINEERING & COMPUTER SCIENCE

Master of Science in Electrical & Electronic Engineering

Power · Communications · Controls · Microelectronics · Digital Design



DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING

ABOUT THE DEGREE

Master of Science in Electrical & Electronic Engineering

Advanced study across the breadth of electrical and electronic engineering, with room to carry out independent research that widens your professional scope. Courses and culminating options are scheduled with working engineers in mind.

30	5	3
UNITS	FOCUS AREAS	FINISH OPTIONS

Required Core · 11 units

- EEE 201 Research Methodology
- EEE 244 EE Computational Methods & Applications
- Two elective-area core courses, chosen from EEE 211, 230, 241, 250, 260 or 285

Culminating Experience

Plan A Master's thesis, defended orally (5 units)

Plan B Project with report and a demonstrated device or simulation (2 units)

Plan C Written comprehensive exam over your program of study

BUILD YOUR PATH

Areas of Focus

Working with the Graduate Coordinator and a faculty advisor, you concentrate in one or more of these areas.

Power Systems

Transmission, reliability & planning, stability, smart grids, protection, wind energy conversion.

Communication Systems

Microwaves, antenna design, digital & wireless communications, fiber optics, advanced DSP.

Control Systems

Linear systems, robot control, neural networks, machine vision, stochastic processes, digital control.

Microelectronic Design

Analog & mixed-signal IC design, digital ICs, semiconductor devices, VLSI design-for-test.

Computer Architecture & Digital Design

Logic design, high-speed digital systems, timing analysis, advanced computer architecture, microcomputer design.

Hands-on access. Graduate students use department laboratories and university computing, backed by the department's close ties to the local engineering community.

DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING

Faculty

DEPARTMENT CHAIR

Dr. Milica Markovic
Microwave engineering, antenna design, high-speed digital design

GRADUATE COORDINATOR

Dr. Mohammed Eltayeb
Millimeter-wave & wireless networks, intelligent transportation systems

Dr. Amir Javan-Khoshkholgh
Analog, mixed-signal & RF ICs; biomedical systems-on-chip

Dr. Preetham Kumar
RF & microwave antennas, wireless communications, RF hyperthermia

Dr. Praveen Meduri
Computer architecture & digital design

Dr. Rohollah (Roham) Moghadam
Multi-agent control, robotics, learning-based control; NASA M-STAR

Dr. Zahra Najafi
Embedded systems, wearables, biomedical instrumentation

Dr. Atousa Yazdani
Power electronics in power systems, distribution, renewable integration

Dr. Mahyar Zarghami
Power system dynamics & stability, FACTS/HVDC, microgrids

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Program details, courses & requirements

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