



BACHELOR OF SCIENCE

# ELECTRICAL ENGINEERING

Electrical Engineers develop electrical components for commercial, scientific, or industrial purposes. Professionals in this field are responsible for disruptive technologies in consumer electronics, clean energy, and satellite communications, among other industries.

**Ready to start your journey? From here, it's possible!**

**Career opportunities include jobs such as:**

- Electronics Engineer
- Microsystems Engineer
- Marine Engineer
- Renewable Energy Engineer



*Eduardo Peña*  
*Electrical Engineering major*



Texas Tech University is accredited with the Southern Association of Colleges and Schools Commission on Colleges.



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## ELECTRICAL ENGINEERING - COSTA RICA

Courses are subject to change

							Credit Hours	
<b>Term 1</b>	Calculus I *	Chemistry I *	Chemistry Lab I *	Essential College Rhetoric	Art Appreciation		14	
<b>Term 2</b>	Calculus II	Advanced College Rhetoric	U.S. Government	Introduction to Engineering	Physics I	SUMMER Texas Politics	SUMMER Programming Principles II	17 6
<b>Term 3</b>	Calculus III	Modern Digital System Design	Fundamentals of Electrical Engineering	Engineering Economics	Engineering Statistics			16
<b>Term 4</b>	Higher Math for Engineers	Microcontrollers	U.S. History from 1877	Manufacturing Engineering	Electronics I	SUMMER Electrical Circuits II	SUMMER Project Lab I	15 6
<b>Term 5</b>	Professional Communication for Engineers	Physics II	Electronics II	Principles of Communication Systems	Project Lab II			16
<b>Term 6</b>	Engineering Ethics	Higher Math II	Electromagnetic Theory I	Feedback & Control Systems	Project Lab III	SUMMER U.S. History to 1877		15 3
<b>Term 7</b>	Engineering Design	Fundamentals of Systems	ENGR or ECE Elective	ENGR or ECE Elective				12
<b>Term 8</b>	ENGR or ECE Elective	ENGR or ECE Elective	ECE Elective	ECE Elective				12
<b>Total Degree Hours:</b>							<b>132</b>	

\* Based on completion of prerequisites