



# CSU Bakersfield

## School of Natural Sciences, Mathematics, & Engineering

Position #: 18/19 NSME 05

### **School Information:**

The School of Natural Sciences, Mathematics, and Engineering (NSME) currently houses seven departments. Visit the web page at <http://www.csub.edu/nsme> for additional information about the School's programs and the area.

### **Department Information:**

The Department of Computer and Electrical Engineering and Computer Science (CEE/CS) offers three bachelors of science degree programs: computer science, computer engineering, and electrical engineering. The computer science degree program offers tracks in traditional computer science, computer information systems, and information security. The department currently has over 550 majors and enrollments are increasing in all three programs.

**Facilities:** The department maintains six research laboratories (circuits and architecture, robotics and control systems, machine learning and computer vision, DSP and digital communications, power systems and electrical machinery, network and cyber security), an advanced workstation laboratory, several PC-based laboratories for general instruction, a tutoring center, and a dedicated server room. In addition to our main building, two modular buildings provide laboratory space shared between CEE/CS and Physics and Engineering Sciences. This space includes CSUB's Fab Lab, based on the MIT-inspired model that has expanded globally via the Fab Foundation.

### **General Information:**

California State University, Bakersfield, founded in 1970, is one of twenty-three campuses of the CSU System and currently has an enrollment of over 9,000 students. The University services a socially and ethnically diverse population of over 860,000 in an area of 10,000 square miles. The city of Bakersfield (population over 360,000) is located in the southern San Joaquin Valley and has a much lower cost of living than coastal California. Los Angeles, the Pacific Ocean, Mojave Desert, and Sierra Nevada Mountains are all within a two-hour drive from campus.

### **Position: Assistant or Associate Professor of Electrical and Computer Engineering**

**Type:** Tenure-Track

**Academic Year:** 2018/2019

**Available:** August 2018

**Location:** Department of Computer & Electrical Engineering and Computer Science  
School of Natural Sciences, Mathematics, and Engineering  
California State University, Bakersfield  
9001 Stockdale Highway,  
Bakersfield, CA 93311-1022

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**Application Deadline Date:** Review begins on November 20, 2017. Priority will be given to applications received by this date. Position to remain open until filled.

**Description:** Tenure-track position in Electrical and Computer Engineering at the assistant or associate professor level.

**Qualifications:** Applicants must hold a BS degree, preferably in computer engineering or electrical engineering, and a Ph.D. in computer engineering, electrical engineering, computer science and engineering, electrical and computer engineering, or in a closely related discipline with extensive background in electrical or computer engineering. Some familiarity with the ABET accreditation process is desirable. The applicants are expected to have excellent academic credentials and a proven ability to teach courses and laboratory sessions effectively, maintaining strong student-faculty interaction.

A major responsibility will be to assist in the expansion of the existing engineering degree programs. The successful candidate will be expected to teach courses, conduct research, supervise students, and participate in appropriate levels of service to the department, school, university, and the profession.

Priority will be given to applicants who specialize in computer architecture, abundant data architecture, energy-efficient architecture, analog circuits, electronics, and microprocessor design and fabrication. However, outstanding candidates from other areas within the field of electrical and computer engineering will also be considered.

**Background Check:** A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

**Mandated Reporter:** The person holding this position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

**Application:** The application must include an application letter detailing the candidate's qualifications and experience relative to the position description, a statement of teaching philosophy, a research agenda, curriculum vitae, copies of undergraduate and graduate transcripts, and three letters of recommendation. Documents should be attached in PDF format and emailed directly to [ceecs\\_position@csub.edu](mailto:ceecs_position@csub.edu) with the position reference number from above in the subject line.

**Compensation:** Commensurate with experience and qualifications. Research startup funds are available. Release time for establishing a research program within the department is generally available during the early years of the appointment.

**Clery Act:** CSUB's annual crime report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus centers, such as our Antelope Valley Satellite Campus and on property within, or immediately adjacent to and accessible from CSUB. The report also includes policies concerning security on campus, such as alcohol and drug use, crime prevention, reporting crimes, sexual assault and other subjects. Additionally, a daily log of offenses is maintained and can be reviewed at the front desk of the Department of Public Safety. You can obtain a copy of the annual report by contacting the Department of Public Safety/University Police at 661-654-2111 or by logging on to their website at <http://www.csub.edu/bas/police/report/index.html>