

**Circuits and Embedded Systems, Assistant Professor  
(Teaching)  
University of Calgary**

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Downloaded On: Jun. 19, 2025 12:48pm

Posted Apr. 11, 2025, set to expire Aug. 13, 2025

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|-----------------------------|---|
| <b>Job Title</b>            | Circuits and Embedded Systems, Assistant Professor<br>(Teaching)  |
| <b>Department</b>           | Electrical and Software Engineering   |
| <b>Institution</b>          | University of Calgary<br>Calgary, Alberta   |
| <b>Date Posted</b>          | Apr. 11, 2025   |
| <b>Application Deadline</b> | May 20, 2025  |
| <b>Position Start Date</b>  | Available immediately   |
| <b>Job Categories</b>       | Assistant Professor   |
| <b>Academic Field(s)</b>    | Electrical and/or Electronics   |
| <b>Apply Online Here</b>    | <a href="https://careers.ucalgary.ca/jobs/15921431-circuits-and-embedded-systems-assistant-professor-teaching">https://careers.ucalgary.ca/jobs/15921431-circuits-and-embedded-systems-assistant-professor-teaching</a> |

**Apply By Email**

**Job Description**

**The Department of Electrical and Software Engineering, Schulich School of Engineering, University of Calgary** is pleased to invite applications for a tenure-track **Assistant Professor (Teaching)** position in **Circuits and Embedded Systems**. The anticipated start date is **July 1, 2025**.

**Position Description**

**The Department of Electrical and Software Engineering, Schulich School of Engineering, University of Calgary** is pleased to invite applications for a tenure-track **Assistant Professor (Teaching)** position in **Circuits and Embedded Systems**, to support active and experiential learning initiatives in the classroom. The anticipated start date is **July 1, 2025**.

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The Schulich School of Engineering is a strong promoter of innovative teaching and learning practices, with a focus on active and experiential learning. The school has recently renovated an extensive amount of space to facilitate meaningful studio-based active learning classrooms where students can engage with classwork in [Schulich Studio](https://schulich.ucalgary.ca/current-students/undergraduate/schulich-studio) (<https://schulich.ucalgary.ca/current-students/undergraduate/schulich-studio>), a dynamic, team-based learning environment. The common first-year engineering experience in the Schulich School of Engineering is delivered with a strong focus on active learning in the classroom. Active learning includes project-based learning, classroom demos, hands-on learning, discussions, worksheets, and other active approaches. This teaching style is demonstrated to support deeper learning and enhanced engagement for the students. In addition, the teaching environment offers an exciting opportunity for academic staff to work, mentor and be mentored in a dynamic teaching team with other engineering education innovators. We also hope that the candidate will be a strong contributor to continued development, research and dissemination of these or similar innovative teaching practices in both the first year and upper year/graduate programs.

The Department of Electrical and Software Schulich Engineering is currently inviting applications for a tenure-track faculty member at the rank of Assistant Professor (Teaching) to expand its core team of innovative engineering instructors. This new faculty member will devote 50% of their time to the delivery and continual improvement of the first-year program, and will also contribute to upper-year courses in the Department of Electrical and Software Engineering, primarily in areas relating to **Embedded Systems**. Candidates with an earned doctoral or master's degree in Electrical Engineering, Computer Engineering or a closely related engineering field, or those who will have earned a doctoral or master's degree in one of these fields by the anticipated start date are invited to apply for the position in Circuits and Embedded Systems.

The successful candidates are expected to be eligible to register as a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA).

### Position Requirements

The successful candidate will demonstrate:

- Excellence or the potential for excellence in teaching at the university level
- Experience with or strong interest in innovative and evidence-based teaching practices, especially active learning classrooms and experiential learning
- Excellent teamwork, communication, and organizational skills
- A commitment to equity, diversity, inclusion, and accessibility in engineering
- Technical expertise in the following areas: electric circuits, computer architecture, real-time systems, microcontrollers, digital system design, and rapid prototyping.

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- Ability to teach electrical circuits and machines
- Ability to teach courses in embedded systems.

### How to Apply

Interested candidates are encouraged to submit an application online:

<https://careers.ucalgary.ca/jobs/15921431-circuits-and-embedded-systems-assistant-professor-teaching>

**Please be aware that the application process allows for only four attachments.** Your four application attachments should be organized to contain the following **(it is suggested that you merge these documents into a single pdf)**:

1. Cover letter and curriculum vitae, including the name and contact information of three referees.
2. Teaching Dossier, including: (maximum 4 pages)
  - Statement of teaching philosophy
  - Statement of teaching strategies
  - Evidence of teaching effectiveness or potential
3. Statement on equity, diversity, inclusion, and accessibility (maximum 1 page)

Statement of Research on intended or current research activities related to education pedagogy and/or innovative teaching practices. (2 pages)

Questions may be addressed to:

Dr. David Westwick

Interim Head, Department of Electrical and Software Engineering

Schulich School of Engineering

Email: [ese.hire@ucalgary.ca](mailto:ese.hire@ucalgary.ca)

Applications are accepted until **May 20, 2025**.

The University of Calgary has launched an institution-wide [Indigenous Strategy](#) committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

*As an equitable and inclusive employer, the University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some*

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*people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here. In particular, we encourage members of the designated groups (women, Indigenous peoples, persons with disabilities, members of visible/racialized minorities, and diverse sexual orientation and gender identities) to apply. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding [diversity] EDI at UCalgary can be sent to the [Office of Institutional Commitments \(equity@ucalgary.ca\)](mailto:equity@ucalgary.ca) and requests for accommodations can be sent to Human Resources ([hrhire@ucalgary.ca](mailto:hrhire@ucalgary.ca)).*

*All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)*

For a listing of all academic opportunities at the University of Calgary, view our [Academic Careers website](#). For more information about the **Schulich School of Engineering**, click [here: https://schulich.ucalgary.ca/](https://schulich.ucalgary.ca/).

### **About the University of Calgary**

UCalgary is Canada's entrepreneurial university, located in Canada's most enterprising city. It is a top research university and one of the highest-ranked universities of its age. Founded in 1966, its 36,000 students experience an innovative learning environment, made rich by research, hands-on experiences and entrepreneurial thinking. It is [Canada's leader in the creation of start-ups](#). [Start something](#) today at the University of Calgary. For more information, visit [ucalgary.ca](https://ucalgary.ca).

### **About Calgary, Alberta**

Calgary is one of the world's cleanest cities and has been named one of the world's most livable cities for years. Calgary is a city of leaders - in business, community, philanthropy and volunteerism. Calgarians benefit from a growing number of world-class dining and cultural events and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

### **Contact Information**

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

**Contact**     David Westwick  
Electrical and Software Engineering  
University of Calgary  
2500 University Drive NW  
Calgary, AB T2N 1N4  
Canada

**Phone Number**     4032205806

**Contact E-mail**     [ese.hire@ucalgary.ca](mailto:ese.hire@ucalgary.ca)