Instructor
Virginia Tech

Job Title	Instructor
Department	Electrical & Computer Engineering
	http://www.ece.vt.edu
Institution	Virginia Tech
	Blacksburg, Virginia
Date Posted	Nov. 14, 2024
Application Deadline	Nov. 30, 2024
Position Start Date	Aug. 10, 2025
Job Categories	Lecturer/Instructor
Academic Field(s)	Electrical and/or Electronics
	Computer Engineering
Job Website	http://jobs.vt.edu
Apply Online Here	http://jobs.vt.edu
Apply By Email	

Job Description

We are looking for a person to teach the practical aspects of undergraduate electrical and computer engineering, primarily at the sophomore level, and to develop laboratory experiments and projects that motivate students to learn these practical aspects. The successful candidate must have effective communication skills, significant experience designing, building, and testing analog or digital circuits, enjoy interacting with students, and have good organizational and management skills. Responsibilities will include developing new experiments and projects to incorporate into courses, teaching undergraduate courses, training and supervising Teaching Assistants and Undergraduate Mentors, acting as a subject matter expert for student projects, and purchasing lab equipment and supplies.

The position will involve other duties, as assigned, but will not involve a research component with the possible exception of educational research related to laboratories.

Required Qualifications:

1. S. degree in Electrical or Computer Engineering
2. At least two years of experience, beyond an undergraduate degree, designing, building, and testing either analog or digital circuits
3. Experience integrating analog and digital (FPGA, microcontroller) circuits
4. Evidence of a strong desire to teach students the practical aspects of electrical and computer engineering, which must be addressed in the cover letter.
5. Evidence of effective oral and written communication skills

Preferred Qualifications:

1. Experience managing others or leading a team
2. Teaching experience as a lead instructor
3. Experience in an area outside basic electrical or computer engineering, for example, RF/microwaves, power/machines, audio electronics, embedded systems, internet of things, etc.
4. An MS or PhD in Engineering Education
5. Able to move and set up lab equipment and furniture if required

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact   Kathy Atkins

Electrical & Computer Engineering

Virginia Tech - Electrical & Computer Engineering

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