

Engineering Instructor (Electrical Track) (FT/TT)
Black Hawk College

Direct Link: <https://www.AcademicKeys.com/r?job=236956>

Downloaded On: Jun. 30, 2024 10:12am

Posted Jun. 3, 2024, set to expire Oct. 3, 2024

Job Title Engineering Instructor (Electrical Track) (FT/TT)
Department Business, Computer and Engineering Technology
<https://www.bhc.edu/department/business-computer-engineering-technology/>
Institution Black Hawk College
Moline, Illinois

Date Posted Jun. 3, 2024

Application Deadline Open until filled
Position Start Date With Fall semester August 2024

Job Categories Core Faculty

Academic Field(s) Engineering

Job Website <https://www.schooljobs.com/careers/bhcedu/faculty/jobs/4020958/engineering-instructor-electrical-track-ft-tt?pagetype=jobOpportunitiesJobs>

Apply Online Here <https://www.schooljobs.com/careers/bhcedu/faculty/jobs/4020958/engineering-instructor-electrical-track-ft-tt?pagetype=jobOpportunitiesJobs>

Apply By Email

Job Description

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General Information & Responsibilities

Black Hawk College seeks a full-time, tenure-track Instructor of Engineering (Electrical Track) for the 2024-2025 school year. Classroom instruction will take place at the Quad Cities Campus location in Moline, IL.

Description of Duties

Faculty member is expected to encourage learning by preparing appropriate syllabi; by developing lectures, discussions, and other presentations or activities to enhance the students educational experience; develops, and executes appropriate methods of evaluating students' performance; develops, secures, and maintains the equipment and other instructional materials essential to the presentation of the classroom material.

Education & Experience

ENGINEERING TECHNOLOGY: ELECTRICAL TRACK - Bachelor's degree and 2,000 documented hours of related experience in an engineer technology field. Master's degree (preferred). Experiential Requirements: 2 years documented hands-on experience with programmable, single-loop and distributed control instruments; industrial experience in an engineering, engineering tech, electronic assembly, quality control, process control, industrial electrical maintenance, electrical supervision in an integrated Mechatronic discipline.

- Demonstrate component-level understanding of fundamental circuit concepts and control system principles. Accurately read and interpret electronic schematic diagrams, process loop diagrams, and pipe and instrument diagrams (P&ID's);
- Perform closed-loop system assembly, system "Ring-out" and overall operational assessment;
- Perform problem diagnosis/fault isolation, system repair, component calibration and optimal control loop tuning.
- Instruct in a laboratory environment analog and digital circuit operations at a component level,
- Determine, correct and explain the proper operation and calibration of common closed-loop integrated systems composed of electro-pneumatic, electro-hydraulic and electro-mechanical instruments.
- Perform simple application programming and I/O interfacing of microcontrollers (uC's e.g., 8051, PIC, Arduino, Raspberry Pi and related uC systems),
- Employ Industrial Internet of Things (IIoT) concepts and J1939 CANbus operations and applications

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in the appropriate courses.

Supplemental Information

Candidates should submit a cover letter, resume/CV, unofficial transcripts and letters of recommendation with the online application.

Documents can be attached with your online application. After your application has been submitted, you are not permitted to make changes to it. Human Resources can attach items for you if needed. Documents that you are not able to attach yourself can be emailed to HR@bhc.edu.

Starting salary is commensurate with education and experience. Minimum starting salary for full-time faculty is \$49,727 for the 2024 - 2025 academic year. Black Hawk College provides an exceptional benefits package. Please be sure to look at the Benefits tab of this job posting.

Note: Official transcripts will be required for any candidate hired.

Black Hawk College does not sponsor employment visas.

EEO/AA Policy

Black Hawk College is an AA/EEO employer.

Contact Information

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

Contact Danielle Darland
Business, Computer and Engineering Technology



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6600 34th Ave

Moline, IL 61265

Phone Number 309-796-5224

Contact E-mail darlandd@bhc.edu