



## MIDDLE BUCKS

INSTITUTE OF TECHNOLOGY

2740 York Road, Jamison, Pennsylvania 18929  
(215) 343-2480 Fax (215) 343-8626 [www.mbit.org](http://www.mbit.org)

### ANNOUNCEMENT OF ANTICIPATED VACANCY

**Engineering Related Technology Instructor (CIP CODE: 15.9999)** – MBIT is seeking a qualified and passionate professional to fill the position of Engineering Related Technology Instructor. Our Engineering Related Technology Program is a rigorous sequence of courses that allows students to develop skills in engineering and engineering technology. Exposure to principles of engineering and introduction to engineering design will help students prepare to enter a two- or four-year college or technical school. This project-based curriculum challenges students to use mathematical, scientific, and technological principles to solve real world problems. The broader Engineering Related Technology program curriculum consists of a series of courses that expose students to the various disciplines of engineering including: civil engineering, electrical and electronic engineering, design engineering, industrial, manufacturing, and mechanical engineering, chemical engineering, aerospace engineering, and computer and network engineering. Students will study electro-mechanical systems, robotics, electrical and electronic theory, thermal heat, and fluid and pneumatic power.

**Term of Employment:** Full-time (10 Months), permanent

**Compensation:** Per MBEA Teachers' Contract

**Benefits:** Full benefits package

**Start Date:** August 2025

**Responsibilities:**

- Provide quality occupational instruction to Career and Technical Education students to prepare them with pre-professional experiences in the field of engineering and related technologies.
- Prepare students to apply knowledge and skills in the engineering field.
- Instruction includes, but is not limited to safety, ethics, power, problem solving, teamwork, engineering graphics, automated systems, fundamental electronics, manufacturing systems as well as adhering to the STEM initiatives.

**Duties include:**

- Program development and enhancing curriculum to remain current and providing effective instruction and supervision of all students.
- Build professional relationships with local business and industry partners to establish potential work sites for students.
- Conduct all classroom activities as validated by the Occupational Advisory Committee.

*“Preparing tomorrow’s workforce today”*



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- Maintain appropriate professional certificates and licenses as required.
- Willingness to pursue teaching certification and professional development activities to enhance the program as well as self.
- Capable of fulfilling all job responsibilities as indicated in the MBIT Teacher Job Description.

### Required Qualifications:

- B.S. degree in Technology Education and possess a valid Pennsylvania teacher certification in Technology Education PK-12 **OR** B.S. degree in Engineering and possess or be eligible to pursue a valid Pennsylvania teacher certification in Engineering Technology discipline.
- Pennsylvania certification in Career and Technical Instruction – Engineering Related Technology (2014) strongly preferred and successful completion of the appropriate Occupational Competency Assessment required.
- Minimum of four (4), preferably, seven (7) years of documented wage-earning experience.
- Computer proficiency required.

### Preferred qualifications:

- Possess excellent communication skills.
- Three (3) years' experience in career and technical teaching; good oral and written communications skills.
- SolidWorks certified.
- FANUC Robot Operator 01 Certification
- FANUC Robot Instructor Certification or willingness to obtain.

**Interested applicants:** Please submit a letter of interest, application, resume, copies of certification, college transcripts, Act 168, Act 34, Act 114, Act 151 clearances and other pertinent information to: [hr@mbit.org](mailto:hr@mbit.org)

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Applications will be accepted until April 8, 2025. EOE

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