

**Opportunity Title:** Engineering Technology 2 Summer Fellowship - CDC

**Opportunity Reference Code:** CDC-NIOSH-2017-0102

**Organization** Centers for Disease Control and Prevention (CDC)

**Reference Code** CDC-NIOSH-2017-0102

**How to Apply** A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to [CDCrpp@orau.org](mailto:CDCrpp@orau.org). Please include the reference code for this opportunity in your email.

**Description** A fellowship opportunity is available to support the Division of Applied Research and Technology (DART), National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC), in Cincinnati, Ohio.

The fellow will be engaged in designing, 3D drafting and constructing, using machine tools and additive manufacturing equipment, engineering control technologies developed with the intent to reduce occupational exposures to potentially hazardous contaminants. The fellow will also conduct performance testing of designed interventions to assess their effectiveness. The experimentation process will include collecting, analyzing, and interpreting data.

**\*\* Desired appointment start date: May 1, 2017 \*\***

**\*\* Length of appointment: 3 months \*\***

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The appointment may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Cincinnati, Ohio, area. Participants do not become employees of CDC, DOE or the program administrator, and there are no employment-related benefits.

- Qualifications**
- Enrolled in an undergraduate degree program (Bachelor's or Associate's) that includes coursework in mechanical engineering technology and have completed a minimum of one year of college-level engineering education.
  - Knowledge of 3D computer aided design software such as SolidWorks in an engineering drawing capacity




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- Knowledge of milling (metal working) machinery and additive manufacturing (3D Printing)
- Knowledge of SolidWorks 3D Computer Aided Design (CAD) software package for the purpose of engineering design and development
- Knowledge and use of machine shop, additive manufacturing (3D Printing) and woodworking tools to construct prototype engineering intervention designs
- Knowledge and experience associated with the design and/or conduct of experiments is a plus.

**Eligibility  
Requirements**

- **Degree:** Associate's Degree or Bachelor's Degree received within the last 60 month(s).
- **Discipline(s):**
  - **Engineering** ([27](#) )