

**Opportunity Title:** Research Associate in Engineering  
**Opportunity Reference Code:** ARS-DFFRU-2016-0187

**Organization** U.S. Department of Agriculture (USDA)

**Reference Code** ARS-DFFRU-2016-0187

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

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Selected candidate must provide proof of completion of the degree before the appointment can start. Proof must be sent to ORISE directly from the academic institution including graduation date and degree awarded. All transcripts must be in English or include an official English translation. Click [here](#) for detailed information about acceptable transcripts.
- A current resume/CV
- Two references – While two references are requested, applications will be considered without reference information. It is preferred that a complete application package contains a minimum of one reference.

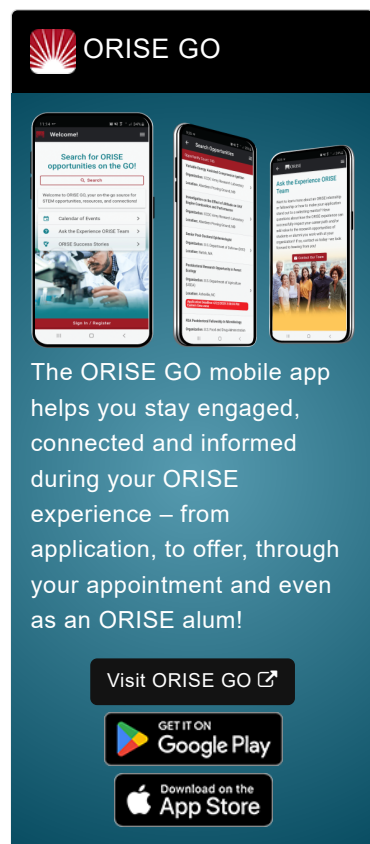
If you have questions, send an email to [USDA-ARS@oraui.org](mailto:USDA-ARS@oraui.org). Please include the reference code for this opportunity in your email.

**Description** A postgraduate opportunity for a Research Associate in Engineering is available with the U.S. Department of Agriculture (USDA) Agricultural Research Service (ARS) Eastern Regional Research Center, Dairy & Functional Foods, in Wyndmoor, PA.

The participant will prepare a small apparatus for chemical/biological interactions that consist of vessels, pumps, tubes, and membranes, and connect to a desktop by running software written by the participant. The apparatus is a special bioreactor with the additional function of separation by diffusion. The selected applicant will join an active research team of multidisciplinary academic backgrounds – chemistry, polymer chemistry, molecular biology, microbiology, etc.


The appointment is full-time for up to 12 months and may be renewed based upon recommendation of the ARS and availability of funding. The selected applicant will receive a stipend as support for their living and other expenses during this appointment. Stipend rates are determined by ARS officials, and are based on the applicant's academic and professional background. The participant must show proof of health and medical insurance. Health insurance can be obtained through ORISE. The participant will not enter into an employee/employer relationship with ORISE, ORAU, USDA, ARS, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.


While participants will not enter into an employment relationship with ARS, this position requires a pre-appointment check and a full background investigation.




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This opportunity is available to U.S. citizens.

For more information about the ARS Research Participation Program, please visit the [Program Website](#).

**Qualifications** To be eligible, applicants must have received a master's degree in Chemical Engineering or Mechanical Engineering.

Knowledge of computer programming is preferred.

- Eligibility**
- Requirements**
- **Citizenship:** U.S. Citizen Only
  - **Degree:** Master's Degree or Doctoral Degree.
  - **Discipline(s):**
    - **Engineering** ([3](#) 👁)
    - **Life Health and Medical Sciences** ([2](#) 👁)