

# Montana Rural Hospital Engineering Internship Program

## Student Application

Sponsored by:

Montana Health Research and Education Foundation,  
Montana Office of Rural Health,  
and  
Montana State University Mechanical and Industrial Engineering Department

### Program Synopsis

Engineering students will conduct rapid process improvement projects at approximately four rural hospitals across the state of Montana. Prior to deployment, students will receive education and training in Lean Healthcare concepts, principles, and tools; and their application to hospital operations. Students will then spend two-weeks at each of four sites to implement a focused process improvement project for each facility. Student work will be supervised by an industrial engineer via distance communication technology. The program will run from May 16<sup>th</sup> through August 12<sup>th</sup> with days off provided during the weeks of Memorial Day and July 4<sup>th</sup>.

### Eligibility

Students must be at least juniors in good standing in an engineering program, must have a minimum cumulative GPA of 2.75, and must have successfully completed EIND 313: Work Design and Analysis, and either EIND 354: Engineering Probability and Statistics I or EGEN 350: Applied Engineering Data Analysis. Successful completion of EIND 458: Production Engineering and Management is desirable, but not required.

The successful applicant will demonstrate strong initiative, an ability to work independently, intrinsic motivation to work in healthcare, excellent communication and interpersonal skills, a willingness to learn, and a high degree of responsibility to see projects through to completion. Students must provide their own transportation.

### Job Expectations

Engineering interns will:

- Maintain valid health insurance, vehicle insurance and driver's license.
- Pass a background investigation as required.
- Complete initial training on-site with MSU Faculty and Coach on April 15, 2022 (University Day).
- Read required materials and complete final training on-site at MSU during Finals week (May 9-13, 2022). This will be scheduled around final exams as to not conflict.
- Report to first internship site at Deer Lodge Medical Center May 16, 2022.
- Be responsive to the facility's project contact and cooperate with management and other personnel at the host facility to achieve the facility's objectives for the project.
- Act and dress professionally in all interactions with facility personnel and faculty supervisor.
- Comply with all facility regulations, including patient confidentiality measures, drug testing, background checks and proof of immunizations.
- Work diligently to achieve the project objectives and follow the advice of their mentors.
- Complete all requested reports, by the assigned deadline.
- Report any concerns or issues to the faculty supervisor in a timely manner.

### Compensation

Engineering interns will receive a stipend of \$7,920 paid in three installments. In addition, each host facility will provide housing at no cost to the intern and a modest meal allowance.

# Internship Application Form

## Contact Information

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

## Education

Major: \_\_\_\_\_ GPA: \_\_\_\_\_

Institution: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

## Course Preparation:

EIND 313: semester taken: \_\_\_\_\_ Grade: \_\_\_\_\_

EIND 354 (or EGEN 350): semester taken: \_\_\_\_\_ Grade: \_\_\_\_\_

EIND 458: semester taken: \_\_\_\_\_ Grade: \_\_\_\_\_

## Essay

Please attach written responses to the following questions on the next page:

1. What is your interest in working in the healthcare sector?
2. Please describe one or more experiences that illustrate your self-motivation and ability to work independently and see projects through to completion.

## Resume

Please attach a 1-2 page resume as the last page of combined PDF file.

## Signature

*I attest that the information provided in this application is true and accurate according to my knowledge at this time.*

Signed: \_\_\_\_\_ *Meji Gitar* \_\_\_\_\_ Date: \_\_\_\_\_

**Submit combine PDF application via email to:** Dr. Bernadette McCrory, Assistant Professor,  
Department of Mechanical and Industrial Engineering; [Bernadette.McCrory@montana.edu](mailto:Bernadette.McCrory@montana.edu)

**Application deadline:** March 31<sup>st</sup>, 2022 (midnight)

