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JOB DESCRIPTION**Environmental, Safety, Health and Quality Internships - (11364)****DESCRIPTION**

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[IDAHO NATIONAL LABORATORY UNIVERSITY/COLLEGE INTERNSHIPS- ENVIRONMENTAL, SAFETY AND HEALTH](#)

Typical Degree Programs Sought Include: (Environmental Engineering, Safety Engineering, Fire Protection Engineering, Quality Engineering, Industrial Engineering, Health Physics)

Please note that if you are interested in other INL internship categories in addition to this one, you will need to complete the application for each of those categories as well. Most of the information you provide while completing the initial application carries over to your new applications. You will have to review your previously submitted information in each step, ensure it is complete and then click the submit button on the final step.

The Opportunity:**Internships at Idaho National Laboratory**

Idaho National Laboratory (INL) hosts over 300 undergraduate and graduate students each year to support INL's mission. Opportunities for interns at INL range from nuclear engineering to cybersecurity and include non-scientific positions in various operations and business disciplines.

Join INL's team and find your exceptional educational experience in a real-world work environment. INL offers a unique opportunity to learn, collaborate, innovate and conduct research with top researchers and professionals.

The Deliverables:

Interns will spend the first week of their assignment working with their mentor to outline their work scope and to secure resources for a successful internship. For the next several weeks, the mentor will provide considerable program assistance and guidance to the intern. In addition to regular activities, interns are invited to attend weekly seminars, tours and community events designed with career development in mind. Completion of a final project is highly recommended and can be completed through a variety of mediums – a traditional poster, electronic presentation or video.

The Process:

Through this single application, you are considered for all internship projects related to INL Environmental Safety and Health Programs. Simply complete the application questions which will help us identify what knowledge and experience you already have that may be related to the preferred qualifications for each individual internship project. It

is common for applicants to receive consideration for multiple projects at varying times throughout the process. Mentors will make direct contact with applicants who meet their project qualifications to share the specific details of the project. On average, INL plans for approximately 300 internships each year. Most internships provide flexibility with start and end dates to account for varying university term schedules. We encourage early applications to increase the number of opportunities available to you.

The Projects:

As the nation's nuclear energy laboratory, INL maintains a strong safety focus. The health and safety of every employee, both on- and off-the-job, is critical to our mission. INL demonstrates [world-leading safety behavior](#), safety performance and environmental stewardship. Some projects interns have participated in recently include:

--The student intern will assist with IH support activities provided to the INL's Facilities and Site Services organization. Activities may included but are not limited to performing industrial hygiene risk assessments within the transportation organization, develop a hazard recognition guide for the Property Management organization for use when excessing property, ergonomic assessments, assisting in the completion formal Exposure Assessments, conducting assigned physical and chemical agent monitoring activities, and assisting with the development and improvement of IH related processes and procedures.

--The Idaho National Laboratory is seeking a University student enrolled in an ABET accredited Industrial Hygiene B.S. or M.S. degree program. The student intern will assist with IH support activities provided to the INL's Research and Development campus. Activities may included but are not limited to performing ergonomic assessments, assisting in the completion formal Exposure Assessments, conducting assigned physical and chemical agent monitoring activities, and assisting with the development and improvement of IH related processes and procedures.

--The Idaho National Laboratory is seeking an undergraduate or graduate student studying environmental engineering, science, management or closely related field to develop and implement employee pollution prevention outreach campaigns. Candidate will help achieve pollution prevention and sustainability goals. The Idaho National Laboratory is seeking a University student with a major in Health Physics to learn and understand the intricate processes and robust nature of Radiological Controls Dosimetry to include internal (direct and Indirect) and external.

--The Idaho National Laboratory is seeking a University student to assess drinking water and/or wastewater system and operational compliance with state and federal regulations, and company policies and procedures. The intern may also be assigned tasks in the hazardous waste or air quality areas.

--The Idaho National Laboratory is seeking a University engineering student to support the Office of Nuclear Assurance staff in direct inspection/oversight activities at hazard 1, 2, and 3 nuclear facilities. This will include:

- Support preparation activities through review of safety basis documents such as calculations, drawings, procurement, component work history, procedures, and regulatory requirements.
- Perform field work as required by ONA inspection procedures to evaluate work activities. Validate fidelity of the safety basis to field configuration.
- Utilize Nuclear Assurance processes to disposition and performance issues identified.
- Exercise communication skills through inspection report inputs as needed.
- Assist in facility performance indicator development.
- Facilitate organizational interface between safety and facility organizations through in-person facility interactions with workers and management at all levels.

--The Idaho National Laboratory is seeking a University student in an Ergonomic and/or Occupational Health program. This intern would be responsible for supporting a facility employees in various work disciplines with ergonomic assessments and education. We are looking for someone that is independent and will take the initiative upon themselves and function with little oversight. Field work and interaction with employees will be occur approximately 50% of the time.

--Support the INL Quality Assurance (QA) staff in construction oversight activities and routine QA activities at MFC, ATR, REC (including North Holmes), and the INL site in general. Specific work scope will include the following:

- Project design and contractor review.
- Inspection plan development, assuring key aspects of drawings, specification and code are incorporated into inspection plans and that cited inspections are correct and able to be accomplished.
- Welding oversight in review of Procedure Qualification Records (PQRs), Welding Procedure Specifications (WPSs) and Welder Performance Qualifications (WPQs).
- Assist the INL Welding Engineer in the development of welding procedures, qualification of procedures and special tasks.
- Facilitate work execution and communication between subcontract personnel, inspection personnel and INL construction management.
- Evaluate subcontractor performance.

Required Attributes: The candidate should possess the following attributes, qualifications, education and experience:

- 3rd/4th year student in Welding Engineering (BS) degree path.
- Solid understanding and application experience of basic welding principles with qualification in GTAW (including machine operation) highly desired.
- Proficient in design interpretation and application of nondestructive examination fundamentals.
- Quality Engineering experience with application on construction projects.

Basic code knowledge (ASME and AWS).

Previous intern experience at INL in similar capacity is highly desirable.

--The Idaho National Laboratory is seeking a University student who will support the Quality and Performance Management Division as a Welding/Quality Inspector intern. This position will complete non destructive testing inspections and other duties as assigned.

--This intern will be asked to perform the following duties: RELAP specific: Look through the ATR Safety Analysis Report to identify all referenced documents for RELAP analysis and properly organize RELAP input files which support the analyses. Look through old RELAP related documents to help determine which documents need to be retained as records and which need to be discarded. Because of the security access requirements for records being handled, US citizenship is required. In addition to performing these tasks. The intern will be given the opportunity to learn and become familiar with performing RELAP analysis. This is a substantial resume item and would be a great benefit to the intern. Not RELAP specific. As part of looking through the ATR Safety Analysis Report the intern will be asked to identify all the cases that claim to be bounding cases in an attempt to clarify conflicting statements.

--Assist in the development of alternate alpha release limits for the personal contamination monitors at MFCs non-alpha facilities. Data manipulation, radiological spectrum generation, alpha-beta/gamma ratios will all be used to develop this technical basis.

--The candidate chosen will support Senior Fire Protection Engineers in their day to day activities and be assigned specific projects. Examples of day to day activities may include inspection of fire systems and support of customer concerns. Projects may include performing plant wide fire barrier assessments and developing/populating a fire wall database.

QUALIFICATIONS

Required Qualifications:

All Internship Candidates Must:

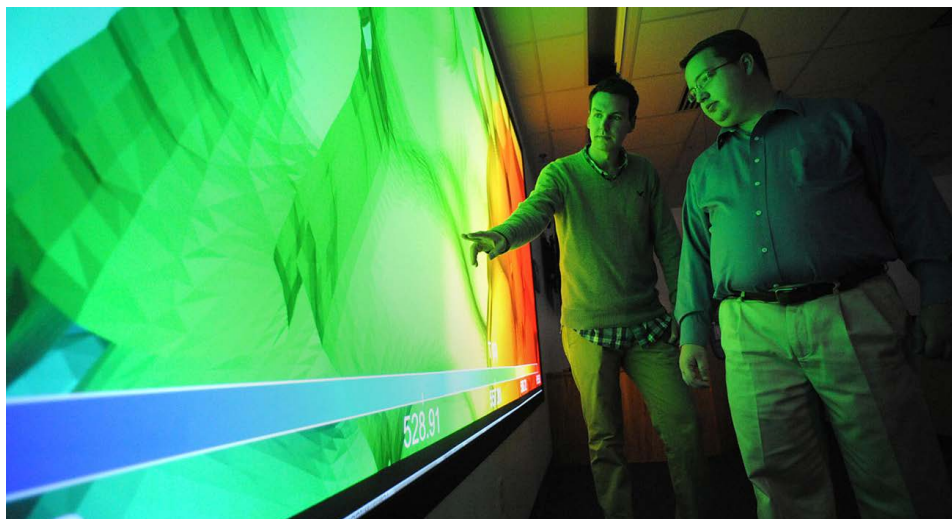
Have the ability to pass a background check

Possess a minimum overall 3.0 Grade Point Average (GPA)

Complete this application, which is used to place students based on their academic interests, coursework, knowledge and communication skills

Enrolled full time student status at an accredited college or university (undergraduate, graduate, PhD).

Note: Many INL community college interns are hired through the U.S. Department of Energy's Community College Internship Program. We recommend you also apply to DOE's Internship Program at <http://science.energy.gov/wdts/ccl/>



Helpful Tips to Prepare You for Your INL Internship Application:

Current resume or Curriculum Vitae (CV)

Unofficial Transcripts (include current and completed degree programs)

Current class schedule and number of credits

Recommendations:

Work with your career center to develop a resume or CV that is functional (this is your opportunity for a first impression)

Review the INL website and learn more about our business and research programs and how they could enrich your degree plan <https://www.inl.gov/>

Ask your professors if they have collaborated on INL research programs and seek their permission to list them as a reference

Review the INL Academic Partnerships web site for valuable information on our internship programs

<https://www.inl.gov/inl-initiatives/education/>

Internship Programs Specialists:

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Equal Employment Opportunity

Idaho National Laboratory (INL) is an Equal Employment Opportunity (EEO) employer. It is the policy of INL to provide equal employment opportunities to all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information.



PRIMARY LOCATION: US-ID-Idaho Falls
JOB: Internship
ORGANIZATION: Partnerships, Engagement & Tech Deployment (Lxxx)
SCHEDULE: Part-time
EMPLOYEE STATUS: Temporary
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