

Opportunity Title: 2021 Building Technologies Internship Program (BTIP) -
ORNL and NREL

Opportunity Reference Code: DOE-ORNL-NREL-BTIP-20-21



Organization U.S. Department of Energy (DOE)

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How to Apply NOTE: this opportunity is for [JUMP into STEM](#) participants only. All students enrolled in a U.S. college or university are welcome to participate in JUMP into STEM. Please see the [JUMP into STEM website](#) for details.

The internship application will require:

- Profile Information
- Educational details (i.e. dates of attendance/graduation, GPAs, majors, etc.)
- Awards and honors
- Internships or previous experience
- Essay questions on relevant goals, interests, experiences, or skills
- An updated resume (pdf)
- Contact information for recommender, including current email address
- Academic records - For this opportunity, an unofficial transcript or copy of academic records may be submitted showing name, school name, current/enrolled classes, and GPA (pdf)

All application components must be completed and received in the system in order to be considered.

Applicant must also complete idea submission at [JUMP into STEM](#) to be considered for the opportunity. Selections will be made by a screening committee based on challenge competition and eligibility for the appointments at ORNL and NREL.

For questions, contact Margaret.Scheiner@orau.org.

Application Deadline 12/26/2020 2:59:59 AM Eastern Time Zone

Description In conjunction with the Department of Energy Building Technology Office, [JUMP into STEM](#) engages students and professors from science, technology, engineering, and math backgrounds, as well as from architecture, computer science economics, and the social sciences. The JUMP into STEM Challenges can be presented by professors as a modular component through coursework or pursued by students as an extracurricular development opportunity.

This application is for students participating in the JUMP into STEM competition to win a 10-week paid internship at Oak Ridge National Laboratory (ORNL) or the National Renewable Energy Laboratory (NREL). Only select students with the top winning concepts will be offered internships. Awardees will be assigned their internship location.

The JUMP into STEM competition has seen two successful iterations: August 2018 through April 2019 (see news story online at <https://www.energy.gov/eere/buildings/articles/doe-s-national-labs-select-student-winners-jump-stem-summer-internship>) and August 2019 through January 2020 (<https://www.energy.gov/eere/buildings/articles/us-department-energy-s-building-technologies-office-announces-jump-stem>). The upcoming cycle will determine competition winners in early 2021 for summer 2021 internships.

Awards to Win

Eligible JUMP into STEM participants who win the final competition will be appointed full-time internships for the summer term (10 weeks) at ORNL or NREL and will be engaged in a research and technology project under the guidance of a laboratory scientist or engineer. Start and end dates may be flexible. Undergraduates

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will receive a stipend of **\$600** per week and graduate-level students will receive a stipend of either **\$700** (if currently a master's degree student) or **\$750** per week (if currently a PhD student). Participants whose permanent address is 50 miles or more from the site location city may be eligible for a \$150 per week housing allowance and for mileage or flight travel reimbursement to/from the appointment city (up to \$500).














Program Timelines

- Monday, August 3, 2020 – Zintellect application opens
- Friday, November 13, 2020 – Completion closes for idea submission at **JUMP into STEM**
- Friday, Nov. 20, 2020 – Building Technologies Internship Program applications due, including letters of recommendation
- Monday, Dec. 7, 2020 – Announcement of finalists, who will be invited to compete in the JUMP into STEM final competition
- Monday, Dec. 14, 2020 – Finalists confirm whether they will compete at final event
- Thursday, Jan. 28 and Friday, Jan. 29, 2021 – Final event for JUMP into STEM at NREL
- Monday, Feb. 1 to Friday, Feb. 12, 2021 – Notification of internship appointment offer.

Qualifications Program Eligibility:

- Be currently enrolled in an undergraduate or graduate degree-seeking program at a regionally accredited U.S. college or university at time of application
 - Students graduating in the fall of 2020, the spring of 2021, or later are eligible for the internship.
- Have a cumulative minimum GPA of 3.0 on a 4.0 scale as of November 13, 2020
- Be at least 18 years old
- Have medical insurance effective for entire term of appointment
- Have one academic or professional recommendation
- Selected participants will be required to submit a technical report or poster at the end of the appointment period

Eligibility Requirements

- **Degree:** Currently pursuing an Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree.
- **Overall GPA:** 3.00
- **Discipline(s):**
 - **Business** (11 )
 - **Communications and Graphics Design** (6 )
 - **Computer, Information, and Data Sciences** (17 )
 - **Earth and Geosciences** (21 )
 - **Engineering** (27 )
 - **Environmental and Marine Sciences** (14 )
 - **Life Health and Medical Sciences** (46 )
 - **Mathematics and Statistics** (10 )
 - **Other Non-S&E** (13 )
 - **Other Physical Sciences** (12 )
 - **Other S&E-Related** (1 )
 - **Physics** (16 )
 - **Social and Behavioral Sciences** (29 )
- **Age:** Must be 18 years of age

Affirmation I certify that:

- To the best of my knowledge all information contained in this application is accurate
- I understand that any falsification will render me ineligible for participation and, if found after participation

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has begun, may require me to reimburse any funds received