

Opportunity Title: ORNL Next Generation STEM Internship Program (NGSI) -

Summer 2023

Opportunity Reference Code: ORNL-NGSI-2023

Organization Oak Ridge National Laboratory (ORNL)

Reference Code ORNL-NGSI-2023

Application Deadline 2/24/2023 3:00:00 PM Eastern Time Zone

Description The Next Generation STEM Internship (NGSI) program affords rising high school juniors and seniors and recent graduates in accredited high schools or home school programs in Anderson, Blount, Knox, Loudon and Roane counties the opportunity to participate in STEM or STEM-related projects with research and professional staff at Oak Ridge National Laboratory (ORNL).

Selected applicants will participate beginning June 5 through July 21, 2023. Students are expected to participate 40 hours per week. A maximum of five days (without stipend) may be missed during the appointment period, if necessary, for other commitments.

Diversity is Key

Scientific discovery is a team effort. Researchers, engineers, and technical and business professionals support achievements in science and technology by helping to manage and operate research projects and facilities. We believe the teams required to solve the nation's most pressing scientific challenges are those that combine a wide range of backgrounds and perspectives.

NGSI program benefits include:

- \$500 per week stipend based on 40 hours of participation each week
- The opportunity to learn from world-renowned scientists and engineers
- Optional professional development activities, including workshops, lab tours, lectures, poster sessions, seminars, and networking opportunities

Qualifications To be eligible, an applicant must meet the following criteria:

- Be a U.S. citizen or legal permanent resident (LPR) at the time of application
- Be a rising junior or senior for the 2023-2024 academic year (expected graduation in 2024 or 2025) OR
 - Have graduated high school during the 2021-2022 academic calendar and not yet enrolled in a degree-seeking program at a regionally accredited college or university (including accredited community colleges) at the time of application
- Be in good standing at an accredited high school or enrolled in an accredited home school program in Anderson, Blount, Knox, Roane or Loudon county in Tennessee
- Be at least 16 years of age by the time of appointment
- Have a minimum GPA of 3.0/4.0
- Provide proof of health insurance coverage
- Complete a Zintellect application and acquire recommendations from a current STEM teacher and principal (curriculum coordinator for home school students). Recommendations must be submitted through the



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Zintellect application system.

The application will require:

- Profile information
- Educational details (i.e. dates of attendance/graduation, GPAs, majors, etc.)
- Goals
- Experience and Skills
- A brief resume (.pdf upload) ***Please email ORNLedu@ornl.gov for a resume template, if needed***
- 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 upload)
- Contact information for recommenders, including current email addresses. Recommendation letters should address the applicant's academic record and potential for success in a STEM internship, as demonstrated by intellectual merit, technical and teamwork skills, and communication. ***Applicants who are currently enrolled students must provide one letter from a current teacher and the principal or guidance counselor (curriculum coordinator for home school students). Recent graduates must provide one letter from a former teacher, principal, or guidance counselor and one from a professional reference of their choosing. Recommenders cannot be family members.***

Electronic applications, including submitted recommendations, must be received through the [Zintellect](#) application system. Incomplete applications will not be considered. Applications that do not include recommendations from a STEM teacher and principal will not be considered for selection.

**Eligibility
Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** High School Diploma/GED received within the last 12 months or currently pursuing.
- **Overall GPA:** 3.00
- **Discipline(s):**
 - **Business** ([11](#) )
 - **Chemistry and Materials Sciences** ([12](#) )
 - **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** ([48](#) )
 - **Mathematics and Statistics** ([11](#) )
 - **Other Non-Science & Engineering** ([13](#) )
 - **Physics** ([16](#) )
 - **Science & Engineering-related** ([2](#) )
 - **Social and Behavioral Sciences** ([29](#) )
- **Age:** Must be 16 years old by 6/5/2023

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Affirmation I certify the following:

- I am a U.S. citizen or legal permanent resident at the time of application
- I am either a rising junior or senior for the 2023-2024 academic year (graduating in 2024 or 2025) OR have graduated since November 2021
- I am a student in good standing or a recent graduate from an accredited high school or enrolled in an accredited home school program in Anderson, Blount, Knox, Roane or Loudon county in Tennessee
- I will be least 16 years of age by the time of appointment
- I have a minimum GPA of 3.0/4.0
- I can provide proof of health insurance coverage
- I can complete the Zintellect application and acquire recommendations (2) from a current STEM teacher and principal or guidance counselor