

Opportunity Title: ORNL Challenge Program (Challenge #1)

Opportunity Reference Code: ORNL-Challenge-1

Organization Oak Ridge National Laboratory (ORNL)

Reference Code ORNL-Challenge-1

How to Apply Applicants to the ORNL Challenge program must write a Solution that identifies possible answers to the Challenge and submit that Solution through www.zintellect.com.

You are applying for Challenge #1: Simulation and Design of Artificial Model Magnets Challenge

Challenge solutions **MUST** use the template located at www.ORAU.org/ORNLChallenge to format submissions. Solution submissions will include:

- Title Page
- Abstract
- Research Hypothesis
- Materials and Methods
- Study Period
- Conclusion
- Works Cited

Solutions which are missing one or more of the above sections may not be considered. Please carefully write and proofread your completed solution before saving as a PDF and uploading as part of the ORNL Challenge application in Zintellect. The solutions must use the required template to be eligible.

- Applicants are required to complete a Zintellect profile with all requested information and release it before starting the ORNL Challenge application and uploading the solution PDF.
- The application will also require the upload of an official/unofficial academic record or transcript that includes the applicant name, school, most recent classes attended/enrolled in, and a cumulative total of academic hours completed.

For any questions about the application process, please email Dr. Nicie Murphy at nicie.murphy@ornl.org or ORNLEdu@ornl.org. For any questions about Zintellect, please email Zintellect@ornl.org.

Application Deadline 2/19/2016 11:59:00 PM Eastern Time Zone

Description The Oak Ridge National Laboratory (ORNL) Challenge is an innovative new program designed to give junior and senior undergraduates (completed 60+ hours or equivalent) in good standing at a regularly accredited U.S. college/university an early start on the scientific process and solving real world science




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problems. Just as established scientists write grant proposals suggesting solutions to scientific problems, qualified students will apply by writing a research solution to an ORNL scientific challenge.

Winning students will visit ORNL for 10 weeks during summer 2016 (June - August) to conduct research with highly respected ORNL mentors and university faculty on their submitted solution. Challenge winners will receive:

- Mentoring, networking, and collaboration opportunities with ORNL scientists and researchers, and other ORNL interns and Challenge winners
- Professional development activities including seminars, workshops, facility tours, lectures, and participation in the ORNL Intern Poster Session
- A competitive weekly stipend of \$650
- Furnished housing and utilities
- Travel assistance to and from site (maximum of \$1,500)
- Travel for additional training/research during appointment with mentor approval (conference, workshop, training class, field work, etc.)

Contact Us

For detailed information about the ORNL Challenge Program and requirements for the solution to be accepted and reviewed for selection, visit www.ORAU.org/ORNChallenge.

You may also contact:

Dr. Nicie Murphy

Project Manager

nicie.murphy@orau.org

For general questions about Science Education Programs at ORNL, please email us at ORNLedu@orau.org.

For assistance with Zintellect, please email Zintellect@orau.org.

Qualifications To be eligible, an applicant must:














- Be a Junior or Senior undergraduate student in good standing at a regionally accredited U.S. college/university. Must have completed 60+ academic hours or equivalency as verified by official/unofficial academic record or transcript at the time of application.
- Be at least 18 years of age at the time of application.
- Provide proof of coverage under a health insurance plan prior to the beginning of the internship.

**Eligibility
Requirements**

- **Degree:** Currently pursuing a Bachelor's Degree.
- **Discipline(s):**

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- **Business** (11 )
- **Chemistry and Materials Sciences** (12 )
- **Communications and Graphics Design** (6 )
- **Computer, Information, and Data Sciences** (16 )
- **Earth and Geosciences** (21 )
- **Engineering** (27 )
- **Environmental and Marine Sciences** (14 )
- **Life Health and Medical Sciences** (45 )
- **Mathematics and Statistics** (10 )
- **Other Non-Science & Engineering** (13 )
- **Physics** (16 )
- **Science & Engineering-related** (1 )
- **Social and Behavioral Sciences** (28 )

Affirmation I certify that the ORNL Challenge Program Solution I have uploaded as a PDF for this application follows the required template and represents my original work. I affirm that any section of the proposed Solution which has been submitted previously is attributed and cited as such, and that this Solution has not been submitted by anyone else, I have identified the sources of all information whether quoted verbatim or paraphrased with citations and reference listings.

I also certify that I meet all stated eligibility requirements including:

- Academic status as a junior or senior undergraduate student in good standing at a regionally accredited U.S. college/university at the time of application (60+ academic hours or equivalency)
- At least 18 years of age at the time of application
- Will provide proof of coverage under a health insurance plan prior to the beginning of the internship