



## OVERVIEW OF CSET UNDERGRADUATE RESEARCH PROGRAMS

**Deadline: March 31<sup>st</sup>**

The [Science and Technology Academicians on the Road to Success \(STARS\)](#) undergraduate research program provides opportunities for students to carry out independent research projects with the guidance of NSU Science and Technology faculty. Students learn the latest methodologies in research while improving observation and communication skills. Through meetings with great scientists, the STARS program promotes awareness of the diversity of research areas. The STARS program also conducts workshops and field trips that provide information and career guidance about research and other types of science professions in academia, government, and the private sector. STARS is intended for students with a genuine desire to pursue careers in biology, chemistry, computer science, engineering, mathematics, physics, or technology. Please contact Ms. Zenora Spellman concerning the STARS Research Program at 823.2889 or [zspellman@nsu.edu](mailto:zspellman@nsu.edu) – STARS serves as an umbrella research program to the following:

[Center for Materials Research \(CMR\)](#) - The Summer Undergraduate Research Experience Program at the Center for Materials Research offers you, as a student majoring in chemistry, physics or engineering, unique opportunity to participate in cutting-edge research projects sponsored by the National Aeronautics and Space Administration (NASA), the National Science Foundation (NSF), and the Department of Defense (DOD). As a participant, you will work on research problems of fundamental and practical importance in nanomaterials, photonics, and spin electronics. You may choose to work with random medium lasers, photovoltaic polymers, transparent gain ceramics, optical composites, computational modeling or spin-polarized transport phenomena. These materials and phenomena have applications in new generation computers, efficient conversion of sunlight into electricity, expansion of lasers applications, and improvement of optical communications. The program will immerse you in exciting research, and learning, while having fun and making new friends. We look forward to sharing with you our excitement for our research. For additional information, please contact Ms. Jennifer West at 823.2153 or [jdwest@nsu.edu](mailto:jdwest@nsu.edu).

[Washington, Baltimore, Hampton Roads – Louis Stokes Alliance Minority for Participation \(WBHR-LSAMP\)](#) - The Washington, Baltimore, Hampton Roads Louis Stokes (WBHR-LSAMP) is an alliance of seven historically black colleges and universities. The ultimate goal of the WBHR-LSAMP Program is to double the number students receiving a bachelor's degree in science, technology, engineering, and mathematics (STEM) and to encourage students to pursue graduate degrees. The WBHR-LSAMP program is offered in the summer under the STARS research program. It provides opportunities for students to carry out independent research projects with the guidance of NSU Science and Technology faculty. For additional information, please contact Ms. Zenora Spellman at 823.2889 or [zspellman@nsu.edu](mailto:zspellman@nsu.edu).

**For additional information on the STARS Program, visit: <http://stars.nsu.edu>**



## **ADDITIONAL INFORMATION**

Please Submit:

1. An essay consisting of no less than 300 words. This essay should describe why you selected a science or technology discipline as a major and your future plans (graduate/career) upon completion of your undergraduate degree. Also highlight previous research performed.
2. Two completed recommendation forms from NSU faculty (if outside NSU, two letters of recommendation)
3. Resume
4. Transcript or Evaluation
5. Please indicate if you are planning to attend summer school, the number of courses you plan to take, and reason for courses. (separate sheet)
6. Mentor Data Form

**Please return application packet to the STARS Office, Room 100 RTC Building or mail to STARS; Norfolk State University, 700 Park Avenue, 100 RTC Building, Norfolk, VA 23504; Phone: 757-823-2891; Fax: 757-823-2968. All materials must be included!**

## NSU SST STARS Undergraduate Research Program Guidelines for Students

**Weekly Hours:** You will need to perform research a minimum 10 hours a week during the academic year and 35 hours during the summer. You must record the time you spend in the lab on the time sheet provided by the program. You **MUST** submit your time sheet to the STARS office in a timely manner, according to the established schedule.

**Compensation:** Your compensation depends on your classification. You will be paid periodically throughout the summer. You may be terminated at any time due to poor performance. If you miss any mandatory activity, display unacceptable behavior, or do not follow guidelines set forth by the STARS Program, your stipend will be reduced. There are limitations in your stipend due to financial aid requirements. We will assist you in determining your eligibility. You may not receive compensation from two sources for the same activity. You will be requested to return your stipend if we determine that you have done so.

**Mandatory Meetings & Activities:** A calendar will be distributed of mandatory meetings and activities of all student interns. Check your e-mail often for updates.

**Final Report:** At the end of the STARS Research Program, you will prepare an oral presentation highlighting your work and results. You must also write a final research report (see report guidelines). NSU students must present their results at the Fall Undergraduate Research Symposium.

**Mentor and Student Assessment:** At the end of the program, your mentor will have an opportunity to evaluate your performance and vice versa. Evaluation forms will be provided.

**Mentors:** Your mentor has volunteered her/his time to advance your professional training. You should show your appreciation by assisting your mentor as much as possible and applying yourself to your work.

**Other things to remember:** Since most of your work will be done without significant supervision, you are responsible for setting and reaching goals and milestones. It can be very helpful to keep a log of what you do on your project. This effort can be a guide to you so that you can best utilize your time and discover where your difficulties lie. The STARS program only provides funds for your stipend. No other costs can be supported through the project's budget.

**Resolving Problems:** If you have problems unrelated to your research during the internship period, you may contact either Zenora Spellman at 823-2889 ([zspellman@nsu.edu](mailto:zspellman@nsu.edu)) or Valencia Ingram at 823-2694 ([vhingram@nsu.edu](mailto:vhingram@nsu.edu))

**I agree to adhere to all program guidelines:**       **accept**                       **decline**

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

Signature: \_\_\_\_\_

Date: \_\_\_\_\_