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**ARL DISTINGUISHED UNDERGRAD RESEARCH PROGRAM**

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Students with a minimum GPA of 3.2 majoring in Science, Technology, Engineering and Math may apply for the program during their sophomore year. Under the guidance of an ARL faculty member, students in the program perform a comprehensive research project and receive training in advanced research methods.

Students will be supported for a maximum of two years beginning at the completion of their sophomore year provided that they maintain at least a GPA of 3.2 and make reasonable progress each semester. Offers are typically made by the middle of spring semester and most students begin working at the end of spring semester.

Juniors earn \$12.50 per hour and seniors earn \$14.00 per hour. Students are expected to work full-time during the summer (up to 40 hours per week) and part-time during the academic year for a maximum of 225 hours per semester. Students will write a thesis and formally present the results of their research during their final semester in the program.

A copy of any publication, etc., must be submitted via the student's research advisor at least six weeks before it is released.

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**UNDERGRADUATE SUMMER INTERNSHIP PROGRAM: DIVERSITY OUTREACH OPPORTUNITIES IN RESEARCH (D.O.O.R.)**

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The summer research program was established in 1997 to provide science and engineering students an opportunity to conduct research with faculty and scientists at the Applied Research Laboratory/Penn State collaborative. Recruitment efforts are targeted at attracting students from HBCUs/MIs who may have an interest in attending graduate school at Penn State.

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**UNDERGRADUATE SUMMER INTERNSHIP IN FLUID MECHANICS RESEARCH**

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Summer research positions are available for students with a strong interest in fluid mechanics or hydroacoustics. Applicants should apply during their sophomore or junior year. Students majoring in mechanical engineering or aerospace engineering are preferred. Each student will work on a specific project under direct supervision of senior laboratory staff or University faculty. Projects include experience with design, instrumentation, and execution of experiments, setup and execution of computer-based flow simulations, and analysis of experimental and computational results. Learning opportunities will be supplemented by weekly seminars and discussions of all student projects.

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**COOPERATIVE EDUCATION PROGRAM**

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This program offers undergraduate students an opportunity to integrate classroom study with supervised work experience. Typically, students spend a total of 12 months in their chosen field during their junior and seniors years. Assignments may be alternating work and classroom or performed back-to-back semesters. Students normally work 40 hours per week and earn \$14.50 – \$16.00 per hour for their first assignment, and \$15.00 – \$16.50 per hour for their second assignment.

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**WAGE PAYROLL**

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Students work part-time on a variety of research projects. The hourly rate is based on their experience and semester standing. (Typically: juniors earn \$12.50 per hour and seniors earn \$14.00 per hour.)

*For more information on these programs, contact the Office of Human Resources, 103 Applied Research Laboratory Building or call 865-6373.*