

## UPWARDS Summer Intensive Program 2025 – Information Sheet

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| Host University                              | University of Washington   |
| Program Title                                | University of Washington UPWARDS Summer Intensive Program 2025   |
| Program Period (Dates)                       | Aug. 15-23   |
| Location & Venue                             | University of Washington Seattle Campus<br>1410 NE Campus Pkwy, Seattle, WA 98195<br>United States of America  |
| Maximum Enrollment from Partner Universities | 12   |
| Program Fee                                  | \$ 2500  |
| Requirements                                 | Students currently enrolled in STEM undergraduate and graduate programs at a UPWARDS member universities.  |
| Application Method & Deadline                | April 30th   |
| Curriculum Overview                          | <p>The overarching goals of this week-long internship are to provide participants with hands-on experience with semiconductor research at the Washington Nanofabrication Facility (WNF), knowledge of the current landscape of semiconductor research and industry, and an opportunity to explore the Pacific Northwest.</p> <p>On day 1, students will participate in a full day orientation to the internship and the WNF. Students will then spend each morning conducting research at the WNF and each afternoon hearing from guest speakers from the semiconductor field and exploring Seattle and the beautiful Pacific Northwest.</p> |
| Information about Accommodation              |  |
| Contact Information                          | Application instructions are forthcoming and can be found here: <a href="https://www.upwards.uw.edu/">https://www.upwards.uw.edu/</a> .  |
| Program Website & Other Information          | University of Washington will provide housing on or near campus from Saturday - Saturday.  |

## Summer Intensive Program

The University of Washington UPWARDS Summer Intensive Program is a week-long internship that provides students with hands-on experience in semiconductor research at the Washington Nanofabrication Facility, knowledge of the current landscape of semiconductor research and industry and an opportunity to explore the Pacific Northwest.

The semiconductor industry requires a highly skilled and diverse workforce that can strengthen technology leadership and innovation across ecosystems in the U.S. and Japan. To address this need, the National Science Foundation, Micron and Tokyo Electron (TEL) sponsor the University of Washington, five other U.S. universities and six Japanese universities to build a cross-Pacific network called UPWARDS for the Future. UPWARDS aims to develop semiconductor talent, foster cross-collaboration and expand cutting-edge research.

The summer intensive program allows participants to build real semiconductor devices in a state-of-the-art cleanroom, preparing them for high-demand jobs in computer engineering, biotechnology, aerospace, physics, and chemistry. Students will attend a full-day orientation focused on the internship and safety protocols at the WNF. Each morning, they will conduct research at the WNF, and in the afternoons, they will hear from guest speakers in the semiconductor field and explore Seattle and the beautiful Pacific Northwest. The University of Washington will provide housing on or near campus from Saturday to Saturday.

The program is open to students currently enrolled in undergraduate and graduate programs at UPWARDS member universities. Completion of safety training is required before the internship.

**Program dates:** August 15-23, 2025

**Application and nomination deadline:** April 30, 2025

**Program fee:** \$2,500

**Lodging:** On UW Campus

### PROGRAM ACTIVITIES

1. Gain hands-on experience with materials, processes, and equipment.
2. Learn about processing from both research and production viewpoints.
3. Fabricate and test a variety of simple devices.
4. Meet semiconductor industry insiders and learn first-hand industry experience and career paths.
5. Experience and bridge the US-Japan culture and professional differences.

