

## EDUCATING TOMORROW'S INNOVATORS

UNIVERSITY of WASHINGTON

### EXPANDING ENROLLMENT & OPPORTUNITY

THE UNIVERSITY OF WASHINGTON HAS SEEN EXTRAORDINARY GROWTH IN THE DEMAND FOR COMPUTER SCIENCE EDUCATION.

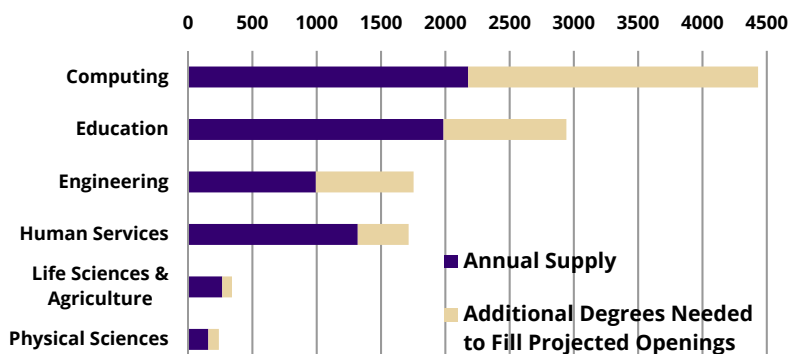
THANKS TO THE LEGISLATURE AND GOVERNOR, THE PAUL G. ALLEN SCHOOL IS EXPANDING TO PREPARE MORE OF WASHINGTON'S STUDENTS FOR OUR STATE'S HIGH-IMPACT JOBS.

All fields of engineering are critical to the future of our state, our nation, and our world, but none has contributed as much to Washington's emergence as a center of innovation and economic opportunity as the computing fields. Students recognize this: Computer science is the #1 first-choice major among incoming UW Seattle freshmen. Employers feel it: There has been such extraordinary growth in the demand for computer science graduates that the bachelor's-level workforce gap in our state — the difference between the number of degrees granted and the number of jobs available — is as large in computer science as in all other high-demand fields combined.

#### FAST FACTS

- > The Allen School is on track to award **620 degrees annually** — double our degree production of just a few years ago.
- > We are dramatically increasing the number of students admitted to the Allen School directly from high school — **offering more of Washington's students a certain pathway into computer science.**
- > We are nationally recognized for our efforts to **increase diversity** in computing education and careers.

Projected Bachelor's Supply/Demand Gaps, 2020-2025



In 2012, the Legislature responded by launching a multi-year process to fund a substantial increase in the Allen School's capacity, following a dozen years without growth. In the 2018 session, the Legislature completed the process by funding sufficient additional student slots to produce a total of 620 degrees per year — double the rate of just a few years ago. The Allen School always responds immediately legislative investment: As of July, we will have filled those additional slots on the way toward meeting our new degree production goal.

## A SECOND HOME FOR THE ALLEN SCHOOL

The new Bill & Melinda Gates Center for Computer Science & Engineering will provide the Allen School with the space to accommodate the growth enabled by the Legislature's investment — and more in the future. The Gates Center — like the Paul G. Allen Center, which it will complement — was funded by a combination of public and private support, including \$17.5 million in state capital funding, \$15 million in UW Building Account funds appropriated by the Legislature, \$4 million in central UW funds, and \$74 million in private funding from more than 300 individual donors and companies including Microsoft, Amazon, Google, and Zillow.

Among the features of the Gates Center that will enable the Allen School — and the state of Washington — to build upon our leadership in computing education and research are a new 3,500 square-foot robotics lab, a wet lab for our cutting-edge efforts in DNA-based data storage, and a variety of spaces designed to deliver an unparalleled student experience to the undergraduates who call the Allen School home.

## A “HOME AWAY FROM HOME” FOR STUDENTS

The Allen Center provided us with world-class facilities that enabled us to grow into a top-tier computer science education and research program. The Gates Center, with its student-centric design, will enable us to provide a welcoming, inclusive environment that will serve as a “home away from home” for our students and encourage the hands-on discovery and interdisciplinary collaboration that are the hallmarks of a UW education. Highlights include:



- > An undergraduate commons that will serve as a gathering place for Allen School majors to study and collaborate.
- > A sophisticated maker space for fabrication and prototyping.
- > High-quality classrooms — including a 250-person tiered lecture hall — and team-based capstone project rooms.
- > A research commons to promote interactions among students and faculty working in different labs.
- > A dedicated advising suite in which our undergraduate and graduate students can receive ongoing academic and career guidance as well as individualized support.

## THANK YOU FOR HELPING US GROW TO MEET THE NEED!

Construction commenced on the Gates Center in January 2017. The building is on schedule to welcome students, faculty, and guests in early 2019. In preparation, the Allen School will enroll the additional students funded by the Legislature by July of this year to reach our goal of 620 degrees per year.

**Your leadership and support have been instrumental to our ability to grow in response to student and employer demand. Thank you for investing in the Allen School — and most importantly, our students!**

### LEADING THE WAY THROUGH RESEARCH

The Allen School is a leader in core and emerging areas that are shaping the future of computing — and our state economy. New facilities, faculty, and student capacity will enable us to advance Washington as a global center in areas including:

- > Artificial Intelligence
- > Augmented & Virtual Reality
- > Computational Biology
- > Data Science & Visualization
- > Molecular Information Systems
- > Mobile Health
- > Security & Privacy
- > Battery-free Computing
- > Accessible Technologies
- > Robotics