Oregon CTE-STEM Employer Coalition · GEORGE FOX UNIVERSITY · OREGON CSTA oregoncsta.org · CODE · OREGON BUSINESS & INDUSTRY · OBI · Oregon State University Cascades

OBC Oregon Business Council · CollegeBoard · Microsoft · TECHNOLOGY ASSOCIATION OF OREGON

Computer Science Professors:
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HB 4098: Computer Science State Plan

Oregon

4,808
Open computing jobs
(**2.4x** the state average demand rate)

834
Computer science graduates

Policy Environment (**rubric**):

✖ **No dedicated state funding for CS PD**

✖ **Does not require all high schools to offer CS**

✖ **No K-12 CS curriculum standards**

What the measure does: The Department of Education in consultation with the Stem Investment Council, shall develop a statewide, long-term strategic plan to provide computer science education opportunities to every public-school student in this state by the 2025-2026 school year.

Background: In a world increasingly reliant on technology, data, and a rapidly growing demand for tech sector jobs- Oregon is missing the opportunity to prepare its residents for the future. Currently, the state of Oregon has no intentional plan for integrating computer science into our education systems and therefore, limiting the opportunities and full potential of our students.

The plan will:

• Be based on a framework that guides students from computer users to computer-literate creators who are proficient in the concepts and practices of computer science, as defined by national frameworks and

• Identify immediate, practical and systemic changes that focus on equity and inclusion that can be implemented in the public schools of Oregon to increase students' access to computer science.

• Identify standards and curriculum guidelines as well as strategies to incorporate computer science education into existing academic content standards for grades before grade nine.

• Identify strategies for ensuring that computer science education is made available to students who may experience academic disparities, and that those students are met to succeed in computer science.

• Identify standards for professional learning for teachers that focus on inclusive and effective computer science instructional methods and ensure that professional learning is made available to the teachers of this state.

Nine Policies to Make Computer Science Fundamental

Oregon

1 State Plan	2 Standards	3 Funding
No	No	No

4 Certification	5 Preservice Teacher Prep	6 State Supervisor
No	No	No

7 Require HS to Offer	8 Core Grad Credit	9 Higher Ed Admission
No	District Decision	No

Refer to advocacy.code.org for additional up-to-date information.

Updates
· Oregon is a member of the ECEP Alliance.

Data
· In the 2017–2018 school year, 37% of high schools taught at least one computer science course, compared to 31% in 2016-2017.
· 32 schools (14% of schools with AP programs) offered an audited AP computer science course in 2017-2018, which is 7 more schools than the previous year.
· 184 female students (24%) took an AP CS exam in 2018, compared to 86 (20%) in 2017.
· 66 underrepresented minority students (9%) took an AP CS exam in 2018, compared to 34 (8%) in 2017.
· 834 bachelor's degrees in computer science were earned in 2017; 19% were female.