



STEM and High Demand

CENTRAL WASHINGTON
UNIVERSITY



EASTERN WASHINGTON
UNIVERSITY



THE EVERGREEN STATE
COLLEGE



UNIVERSITY OF
WASHINGTON



WASHINGTON STATE
UNIVERSITY



WESTERN WASHINGTON
UNIVERSITY

STEM and High Demand Programs

- Washington state **ranks #2 nationally** in the concentration of STEM related jobs and **#3 in STEM job growth**
- By 2018 **70% of STEM** jobs in Washington will require a bachelor's degree or greater
- **73% of all job growth** in STEM between 2014 and 2024 will be in **computer occupations**
- The largest **workforce gaps** at the baccalaureate and graduate levels in Washington are **in computer science, engineering, education, and the health occupations**
- Many of the **fastest growing** occupations over the next decade are projected to be in the **healthcare fields**

STEM AND LIBERAL ARTS

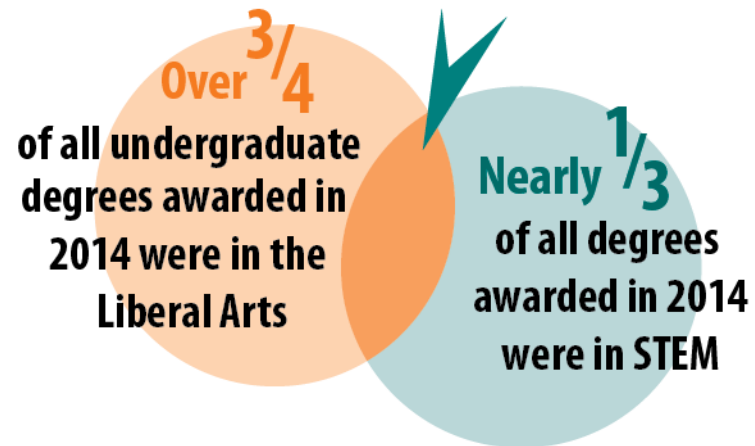
The liberal arts represent both STEM and non-STEM fields.

The liberal arts are a combination of general education and discipline expertise and include a core set of disciplines related to the humanities, social sciences, mathematics, and natural sciences including STEM fields.

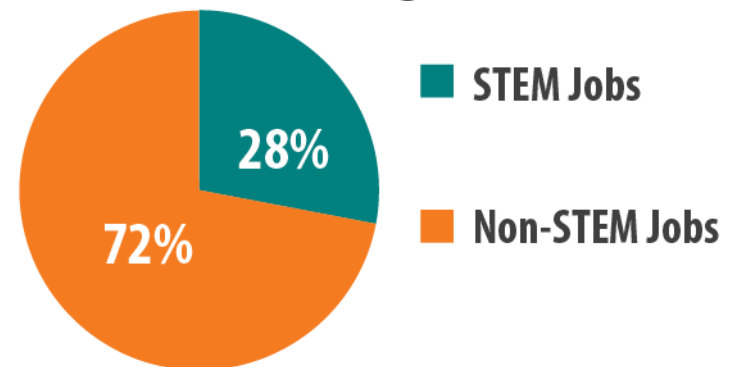
- **55%** of employers want both field-specific knowledge and a broad range of knowledge and skills.

While jobs in STEM fields are increasingly important to the state's economy, a significant portion of the state's current job market include non-STEM fields.

STEM degrees within the Liberal Arts



Composition of Washington's Job Market



Sources: ERDC Dashboard, *The College and Career Readiness of U.S. High School Graduates: State Profiles, Washington*, <http://www.achieve.org/state-profiles>