



## OPAS Vision 2020

**All Oregonians have the opportunity to choose and successfully pursue engineering or applied science as their field of study and career, thereby helping Oregon's industries contribute to state economic needs, and innovate and prosper in the global economy.**

## OPAS Mission 2020

To increase the number of work-ready engineers and applied scientists in Oregon through collaboration of education sectors, industry, and government stakeholders that ensures that all K-12 students have access to high quality education and career exploration opportunities that prepare them for postsecondary and workplace opportunities and success.

## OPAS Opportunity

Through OPAS, Oregon has an unprecedented opportunity to effectively address shortages in the numbers of skilled engineers and applied scientists who can support Oregon's industries. Experts from around the state are participating in working groups which are mobilizing education, business, and government resources statewide to spur "pipeline" growth and quality. By working collaboratively among multiple sectors to address barriers and seize opportunities, OPAS can

- affect policy and practice
- spur growth in quality programming for K-12 students
- support professional development of Oregon's science, math, and technology teachers
- create a sustained and well supported movement in Oregon that positively affects the state economy, and the state's ability to compete in the global marketplace.

## Goals for OPAS 2020

- **Shared leadership and responsibility** among public and private K-20 institutions and employers for program improvement, efficiency, enhanced learning, and accountability.
- **Access to engaging and motivating coursework** for all K-12 students that prepares them for collegiate study in engineering and applied science while developing skills for life-long learning and career success, including understanding key organizing concepts like inquiry and practical problem solving.
- **Coordinated, flexible, and clearly articulated educational pathways** that allow students to efficiently plan their education and successfully transition among Oregon educational institutions and the workplace.
- **Coordinated curricular and co-curricular programs** that offer all students a strong combination of theory and hands-on education through a variety of individual and team experiences.
- **Opportunity to pursue advanced technical education** available to all Oregon students.
- **Diverse, well-educated and work-ready college graduates** productively employed by and contributing to current and developing Oregon businesses, and with competitive skills needed in the global marketplace.