Intel and Portland State University: Growing Oregon’s Economy

Partnership Status Fall 2013
Intel Corporation:
The World’s Largest Semiconductor Manufacturer

Leading Manufacturer of Computer, Networking and Communications Products
Over $53 Billion in Annual Revenues from Customers in Over 120 Countries
Approximately 100,000 Employees
43,000 technical degrees, 12,000 Masters of Science, 4,000 PhD’s, 4,000 MBA’s
One of the Top Ten Most Valuable Brands in the World for 10 Consecutive Years
$100 Million Invested Each Year in Education Across More than 50 Countries
The Single-Largest Voluntary Purchaser of Green Power in the United States
Over One Million Hours of Volunteer Service in Our Communities in 2012
Oregon’s largest private employer

- Oregon Annual Payroll: $2.2 Billion
- Average Intel wage: $125,000
- Intel Oregon employment: 17,000
- Capital investments in Oregon since 1974: $25+ Billion

- 3.1 jobs generated in Oregon for every Intel position
- $7.2 Million in education and non-profit donations in 2012
Portland State: An Urban Serving University

- Largest university in Oregon (30,000 students)
- Top 10 employer in region (4,000 employees)
- Regional Economic Impact: $1.4 billion
- Student body: 66% metro area; 80% Oregon; 23% minority students; 2000 international students from 98 countries
- 2013 Freshman Class: 40% first generation students
- Motto: Let Knowledge Serve the City
PSU’s 25-year Framework Plan:
An additional 4.2 million sq. ft.
and an investment of more than
$1.26 billion
PSU Strategic Partnership Mission

Identify, cultivate and build public and private partnerships that simultaneously address pressing metropolitan challenges (economic, social and environmental) and build PSU’s reputation and capacity as a world-class, urban serving university
Partnership Categories

STEM Pipeline

Research

Workforce Development

Philanthropy
<table>
<thead>
<tr>
<th>Partnership Categories</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>STEM Pipeline</strong></td>
<td>Metro Stem Partnership, NW Science Expo, Oregon MESA, Summer Bridge Program</td>
</tr>
<tr>
<td><strong>Research</strong></td>
<td>Computer Science, Electrical Engineering, Mechanical Engineering, Chemistry, Math</td>
</tr>
<tr>
<td><strong>Workforce Development</strong></td>
<td>Willow Creek Center, Intel-PSU Vietnam Scholars, 1000 PSU grads at Intel</td>
</tr>
<tr>
<td><strong>Philanthropy</strong></td>
<td>College of Engineering &amp; Computer Science, College of Arts and Science, School of Business, School of Education</td>
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Research Highlight: Nano Interfaces

Intel employee brought industry problem to PSU
Professor Shankar Rananavare:

How does Intel continue to improve microprocessors by fitting more transistors into smaller spaces?

University/Industry Partnership playing a key role in the evolution of microprocessor chips.
Based on research funded by Intel, PSU Faculty Dr. Fei Xie founded VDT:

Has the potential to drastically reduce the time it takes for new technologies to come to market

Enabling effective, inexpensive, and convenient virtual prototyping for developers of software and electronic devices.
Research Highlight: ISTC for Big Data

Intel Science and Technology Center for Big Data: Research Center housed at MIT

Research collaboration center designed to encourage closer connection among academic thought leaders and industry

PSU’s Dr. David Maier is a center Faculty member
Intel-PSU Vietnam Scholars Program

2009-2014: 3 cohorts; 700 applicants; 73 graduates
Intel-PSU Vietnam Scholars Program

PSU ECE Team made up of students from the Intel – PSU Vietnam Scholar Program won 1st place in Intel funded Cornell Cup

The winning idea: Prescription Drug Identification Device.
Building the Region’s STEM Pipeline: Oregon MESA

Mission: Create opportunities for underrepresented students in Oregon to achieve their full potential and contribute in the fields of mathematics, engineering and science.

Supported by both PSU and Intel
Intel STEM Center for College and Career Readiness

Welcome

We are a regional collaboration of public and private organizations with a shared goal of transforming science, technology, engineering, and mathematics (STEM) education in local K-12 schools.

We’re working together to transform STEM education in Oregon.

Get Involved

Become one of a growing list of supporters.

Intel STEMposium 2012

We will be celebrating our first successful year and envisioning the next at the second annual Intel STEMposium on April 19. We’ll be announcing 15 partners and 8 schools of transformation. Get involved to be a part of the conversation!

From our Blog

+ Welcome

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