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Center (BATEC)
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League for Innovation
Florida Community College System
ITAA
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Oracle Corporation
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Unisys Corporation
Washington State Department of Information Services
Washington State Office of Superintendent
of Public Instruction
University of Washington

Major Sponsors

Bellevue Community College
The Boeing Company
Microsoft
National Science Foundation

Other Strategic Partners

American Association of Community Colleges
The Council for Adult and Experiential Learning (CAEL)
IEEE
Information Technology Association of America (ITAA)
Nashville State Community College
Puget Sound Prosperity Partnership
University of Washington LIFE Center
Washington State Board for Community and
Technical Colleges
Washington Software Alliance



IT Workforce Trends

Excerpts from NWCET's report

"Applications of Information Technology: Trends Assessment 2005-2006"

- Health services, business services, social services, and engineering, management and related services will be the major contributors of additional jobs in the next decade.
- Even though IT jobs are not seeing the strong growth they experienced in the 90s, IT jobs are still in demand.
- There is an increasing need for IT workers in "technology-enabled" organizations, such as health-care, local/state/federal government, insurance, banking, finance and e-commerce. These industries will experience significant growth in the employment of IT-trained professionals.
- Employers are requiring significantly higher levels of IT skills and knowledge, higher educational degrees and a higher level of industry experience than they required a few years ago due to current outsourcing trends. IT jobs that previously required a 2-year degree now require a minimum of a 4-year degree.
- IT literacy and expected IT skill levels are increasing in non-IT jobs, squeezing out of the market IT trained-workers with only entry-level/basic IT skills.
- The emphasis on collaborative work will continue to increase and the trend to telework—as delivered through virtual workplaces—will intensify.



Revitalizing IT Education



What is NWCET?



NWCET's mission is to create innovative IT and IT-related educational programs and products through research, professional development, and business partnerships to meet the needs of the 21st century workforce.

NWCET was established in 1995 as a National Science Foundation Advanced Technological Education (ATE) Information Technology Center. Located at Bellevue Community College in Bellevue, Washington, we work closely with IT business partners, industry associations, and other NSF ATE IT Centers.

With these partner institutions we offer faculty development, industry trends and skills standards research, and curriculum design services and consulting to education and the IT industry.

Contact Us!

To learn more about NWCET, please contact a staff member at:

NWCET

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What can NWCET do for you?

NWCET offers a wide variety of products and services:

Educational Institutions

- Reports and consulting on IT industry trends, educational programs, best practices and implementation guidelines
- IT program/curriculum design/review
- Tools and frameworks for developing skills standards and outcomes-based IT curriculum
- Skill standards-based assessments

Business & Industry

- Skill standards for the IT workforce
- Implementation guidelines and consulting on IT skill standards
- Research on educational adaptations of specific technologies, certifications, and programs
- Presentations and technology education-related focus group preparation and facilitation
- Developing and delivering training and educational programs
- Customized research related to technology and education

Students, Faculty & Counselors

- Faculty professional development opportunities
- Guidelines for finding IT jobs, learning about internships, and exploring IT career paths



Government

- Policy recommendations on technology education issues
- National, statewide and regional curriculum implementation and adaptation strategies

NWCET Programs

NSF ATE Grants

- NWCET has completed several grants under the NSF Advanced Technology Education program researching and developing nationally and internationally recognized skill standards for IT, best practices in IT education, and web-based resources for education.



Working Connections Summer Institute

- Faculty from Washington State community and technical colleges attend classes in the latest IT & business technologies.

Over 1000 faculty and 100,000 students have been impacted by this program, ensuring that teachers and students are provided with cutting-edge skills.

Washington State Center for Information Technology Excellence

- The Center for IT Excellence (CITE) is a statewide resource for community and technical colleges, the K-20 educational system, and the IT industry. Visit www.bcc.ctc.edu/cite

CyberCareers for the Net Generation

- CyberCareers is a suite of resources for students, teachers and counselors to learn about the education and skill requirements of IT careers. Visit the website at: www.nwcet.org/projects/cybercareers

Trends Assessment Report

- The 2nd update of the highly regarded research report "Applications of Information Technology: Trends Assessment 2005-06" is now available. Over 1000 copies have been distributed to educational institutions, government, and industry partners nationwide.



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