



LAKE WASHINGTON TECHNICAL COLLEGE

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**DEPARTMENT OF JUSTICE
MOBILE FORENSICS TRAINING LAB
FIRST RESPONDERS AND EMERGENCY PERSONNEL**

PROGRAM NARRATIVE

Problem

Among large corporations and government agencies, 90 percent have detected a breach in computer security in the past 12 months, according to a recent survey by the FBI and San Francisco-based Computer Security Institute. Seventy percent of those breaches were considered serious, involving theft of proprietary information, sabotage of data, or financial fraud. Computer security is a constant challenge, and efforts to address this problem are falling short. Combating computer related crimes such as Internet enabled child abductions, child pornography, white-collar crime, identity theft, electronic stalking, and terrorist communications require technologically educated law enforcement personnel. High tech training cost, ranging into thousands of dollars per person, is often prohibitive to law enforcement training budgets. Law enforcement high tech training requires customization that meets the demands of multiple learning environments as well as accommodating nontraditional schedules.

Lake Washington Technical College is one of Washington State's 34 community and technical colleges. The College's mission is "to prepare students for today's careers and tomorrows opportunities." Lake Washington Technical College is a leader in information technology training serving one of the largest IT corridors in the nation.

The past and projected demand for IT workers and applications development specialists in particular, is tremendous. Companies are hiring from outside Washington State and from foreign countries to meet their needs. In King County, the job category with the highest projected overall annual growth rate from 1995-2005 of all occupations is "Computer Scientists" at 16.5%. Data for the area served directly by LWTC is more dramatic. From 1995-1998, 44% of the region's high-tech job growth went to Eastside King County. Six of the eight top cities for growth are in LWTC's service district, and these eight cities accounted for over 75% of the total high-tech job growth in the county. Governor Locke identified the current crisis in the IT field, as "a skills gap - not a labor shortage - because there are thousands of workers in our economy who could benefit from these high demand jobs."

Under the direction of Frank Robertshaw, CISA (BIO:USMC & US Army 1971-1980, Retired from Microsoft Corporation, Information Security as Sr. Security Analyst and Chief Investigator), Lake Washington Technical College has developed an "Information Assurance and Computer Forensics" degree.

Partners include the University of Washington, Bothell Campus; Washington State Community and Technical Colleges; Local and state law enforcement agencies; LWTC advisory committee (membership includes Microsoft, Boeing, ATF,DHS/TSA), National Association of Chiefs of Police, American Society for Industrial Security, Information Systems Audit and Control Association, National Center For Missing and Exploited Children.

GOALS AND OBJECTIVES

Lake Washington Technical College, in collaboration with Washington State law enforcement personnel and private sector security professionals received \$98,664 to create and provide mobile computer forensic training for 250 Washington State law enforcement employees in 2005-06.

A two tiered approach will be implemented in order to incorporate a “Train the Trainer” component. This program would be a possible concept model for cost effective training of ALL law enforcement employees in the State of Washington.

Description: (4hr lecture/ 4hr computer lab)

Topics Will Include:

- Computer Forensics (hands-on hardware/software experience)
- Electronic Crime Investigation
- Information Assurance
- Critical Infrastructure Protection
- Securing Law Enforcement Data
- Managing High Tech Customer Communications
- The Homeland Security – Law Enforcement – Corporate Info. Security Interface

A Joint Regional Security Conference started last year will host the training for Washington State law enforcement professionals in the 2005-2006 academic year.

FOR MORE INFORMATION:

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