

Lake Washington Technical College

Data Mining Project – Executive Summary

Data captured September 2007 provides demographic and general trends of the Fall 2006 Tech Prep cohort, Spring 2006 Tech Prep high school graduates (who enrolled in C3N colleges immediately following graduation), high school graduates (who enrolled in TP), and overall enrollment trends for all students coded **Tech Prep** in the LWTC database (since 1992).

KEY FINDINGS

◀ Tech Prep at LWTC prepares students for the fastest growing, highest demand jobs in the Puget Sound. Most notably, **100%** of the recent high school graduates who continued programs at Lake Washington were enrolled in Engineering, in which **Washington State ranks #1 for engineering jobs** per capita, according to collegeworkready.org [sponsored by the Prosperity Partnership].

Between fall 2001 and fall 2002, the number of Tech Prep high school graduates who later attended classes at LWTC increased by **150%**; with the greatest numbers of subsequent enrollment in 2003 (49 students). While there is no data to verify a cause, it is assumed to be strong interest in Lake Washington's IT programs.

This positive trend declined in 2005 through 2007, although the statewide TP enrollments grew by 18% in the same time frame (from 14,000 to 17,000 students earning over 100,000 college credits throughout Washington) [SBCTC 2006 –2007 WA Tech Prep Report].

Tech Prep at Lake Washington Technical College:

Moving students into cutting edge tech careers

Data At-A-Glance *Fall 2006 Cohort*

41 Tech Prep students enrolled Fall 2006

- **27%** (11 students) graduated from high school in spring 2006 and continued at LWTC
- Of the 11 Tech prep/new high school grads:
 - **100%** were enrolled in Engineering
 - **91%** were enrolled in Engineering Technology

Number of full-time Tech Prep students

(carrying 15 credits or greater) each quarter, 2006-2007 & 2007-2008:

2006 -2007	2007 - 2008
Summer Quarter - 4	Summer Quarter - 4
Fall Quarter - 20	Fall Quarter - 29
Winter Quarter - 23	Winter Quarter - 24
Spring Quarter - 28	Spring Quarter - 24

Tech Prep Success at Lake Washington Technical College

2092 TP students have been in the LWTC data system since 1992

- Of those, **1084 (52%)** earned a college level GPA of 4.0 in at least one course
- **95%** of all TP students earned a GPA of 2.50 or higher

117 of all TP students had COMPASS placement scores (107 English, 116 Math)

- **10 of the 11** fall 2006 TP students had Compass placement scores in both subjects

22 Awards (degrees and certifications) have been awarded to all Tech Prep students (*figure does not account for Individualized Training Programs*)

AWARD	Count
Cosmetology Certificate	1
Environment Horticulture Cert	1
Fitness Specialist/Instructor	1
Hotel Svc & Operations Cert	1
Industrial Plant Maint Cert	1
Pwr Equip/Mar/Motrcyc Svc Cert	1
Weld Fabrication & Maint Cert	1
AAS Accounting	1
AAS Architectural Graphics	1
AAS Auto Repair Technician	3
AAS Culinary Arts	1
AAS Dental Assistant	1
AAS Engr Graphics Design Emph	3
AAS Environmental Horticulture	1
AAS Hotel Svc & Operations	1
AAS-Fitness Specialist/Prs Tr	1
AAS-Interactive Digital Media	1
AAS-Multimedia Design-Print	1

Greatest Number of Tech Prep Enrollments

(Based on data for all TP students):

1. **Mercer Island High School** (Mercer Is. SD) 194 students
2. **Inglemoor High School** (Northshore SD) 176 students
3. **Mount Si High School** (Snoqualmie Valley SD) 154 students

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