

# Bellevue Community 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), and overall enrollment trends for all students coded **Tech Prep** in the BCC database (since 1992).

### KEY FINDINGS

◀ Tech Prep reflects the institutional goals and inclusive spirit of community at Bellevue Community College. Most notably, TP student trend towards transfer degrees and high demand professional certifications matched the overall BCC student population.

Since 1990, the number of Tech Prep high school graduates who later attend classes at BCC increased significantly; with the greatest numbers of subsequent enrollment in 2003 –2005 (2004 peaked at 224 students).

This positive trend declined in 2006 and 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 Bellevue Community College:

Reflecting BCC’s commitment to reaching the highest levels of education

#### Data At-A-Glance - Fall 2006 Cohort

#### 755 Tech Prep students enrolled Fall 2006

- **14.2%** (107 students) graduated from high school in spring 2006 and continued at BCC
- Of the 107 Tech prep/new high school grads:
  - 58 were enrolled in English 60% in a college level course
  - 62 were enrolled in Math – 45% in a college level course

#### 89% of Fall 2006 cohort planned to earn general transfer degree

- 73% of the Fall 2006 cohort plan to earn a degree in Business Management
- Of the 11% seeking an occupational degree, nursing was most commonly selected (15.5%)

Comparable to Running Start (statewide data for 2005 -2006 shows 93% planned for transfer degree) [Running Start 2005 –2006 Progress Report to Washington State Legislature, SBCTC]

#### Number of full-time Tech Prep students

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

2006 -2007	2007 - 2008
Summer Quarter - 66	Summer Quarter - 59
Fall Quarter - 231	Fall Quarter - 238
Winter Quarter - 221	Winter Quarter - 210
Spring Quarter - 199	Spring Quarter - 191

# Tech Prep Success at Bellevue Community College

**6774** TP students have been in the BCC database since 1992

- Of those, **2383 (38%)** earned a college-level GPA of 4.0 in at least one course
- **93.4%** of all Tech Prep students earned a GPA of 2.50 or higher.

**525** of all TP students had COMPASS placement scores (454 English, 173 Math)

- **78** of the Fall 2006 TP students had COMPASS scores in both subjects

**91.9%** of all Tech Prep students selected a transferable degree rather than a two-year occupational degree

**342 Awards** (degrees and certifications) have been awarded to Tech Prep students  
80 (23%) granted with some level of honor or distinction:

Award	Count
AAS-DTA	248
AB-DTA	27
AS-Transfer	13
AA	35
AS	1
AA General Studies	3
High School diploma	1
Certificates	7
ITP	4
Concentrations	3

## Greatest Number of Tech Prep Enrollments

(Based on data for all TP students):

1. **Inglemoor High School** (Northshore SD) 654 students
2. **Eastlake High School** (Lake Washington SD) 526 students
3. **Cedarcrest High School** (Riverview SD) 464 students

## BCC students have taken advantage of the Tech Prep program in 38 different HS courses:

The two most popular: "Keyboarding I" and "Computer & Software Fundamentals." In 2006, "Imaging Foundations" took the lead. Computer-related courses are the most transcribed, with accounting and other business courses ranking second in numbers. Additional courses offered through high schools include criminal justice, first aid, interior design and emergency services.

- **3,085 courses were transcribed in 2006.**
- **In total, 21,914 courses have been transcribed at BCC under Tech Prep coding.**

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# Cascadia Community 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), and overall enrollment trends for all students coded **Tech Prep** in the CCC database (since 2000).

### KEY FINDINGS

◀ Tech Prep at Cascadia is thriving in the state's newest community college.

Although other colleges in C3N enjoy longer relationships with TP, Cascadia's enrollments are outpacing the other three colleges by an average of **5%**

(percentage of total TP enrollments by number of year's program established at each college).

Since 2002, the number of Tech Prep high school graduates who later attend classes at CCC has remained consistent. There was a drop in 2003 (compared to the other colleges, whose greatest enrollment numbers peaked that year) but figures have nearly come back to the original high point of 25 students.

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].

Historically, there have been far more Running Start students enrolled at Cascadia than Tech Prep students. However, Cascadia's student profile data and the data collected in this study indicate these two groups are accessing the college for the same primary reason: to earn transfer degrees.

### Tech Prep at Cascadia Community College:

Fostering innovation through CCC's inclusive programs and relationships

#### Data At-A-Glance - Fall 2006 Cohort

#### 31 Tech Prep students enrolled Fall 2006

- **29%** (9 students) graduated from high school in spring 2006 and continued at CCC
- Of the 9 Tech prep/new high school grads:
  - 5 enrolled in English - 40% in a college level course
  - 5 enrolled in Math – 40% in a college level course

# Tech Prep Success at Cascadia Community College

**536** TP students have been in the college's data system since 2000

- **221 (41.5%)** earned a college level GPA of 4.0 in at least one course
- **96.5%** of all TP students earned a GPA of 2.50 or higher

**134** of all TP students had COMPASS placement scores (127 English, 66 Math)

- **9 of the 10** fall 2006 TP students had COMPASS placement scores in both subjects

**21 degrees** have been awarded to Tech Prep students

Award	Count
ASSOC INTEGRATED STUDIES DTA	17
ASSOCIATE IN BUSINESS - DTA	2
ASSOC OF SCIENCE TRANSFER OPT1	1
ASSOC OF SCIENCE TRANSFER OPT2	1

## Greatest Number of Tech Prep Enrollments

(Based on data for all TP students):

1. **Bothell High School** (Northshore I SD) 158 students
2. **Inglemoor High School** (Northshore SD) 147 students
3. **Woodinville High School** (Northshore SD) 140 students

## CCC students have taken advantage of the Tech Prep program in 12 different business and information technology high school courses

The two most popular: "Introduction to Keyboarding" and "Word Processing." All of the courses transcribed relate to business and computer programming. This trend correlates to the strong industry influences surrounding Cascadia, including Microsoft and a myriad of firms connected to the information technology giant.

**11 programs** have been pursued by all TP students enrolled at CCC and **21 degrees** earned

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# 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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# Shoreline Community College

## Data Mining Project – Executive Summary

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

### KEY FINDINGS

◀ Tech Prep at Shoreline Community College responds to the evolving needs and goals of students. Shoreline’s tailored approach to flexible programs and online access to a range of school services is a terrific fit for Tech Prep students – 29% of fall '06 students were employed part-time off campus, and nearly 18% were seeking part-time employment.

Between 1999 and 2000, the number of Tech Prep high school graduates who later attend classes at SCC **tripled** – from 18 students to 49 in one year. This strong trend peaked in 2003 (56 students).

This positive trend dropped significantly from 2005 to 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 Shoreline Community College:**  
Preparing students to meet evolving workforce training and academic expectations

### Data At-A-Glance – *Fall 2006 Cohort*

**62 Tech Prep students** enrolled Fall 2006

**15%** (9 students) graduated from high school in spring 2006 and continued at SCC

**56.4%** of Fall 2006 cohort planned to earn general transfer degree – *compare to 42% of the SCC general population*

### Number of full-time Tech Prep students

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

2006 -2007	2007 - 2008
Summer Quarter - 1	Summer Quarter - 1
Fall Quarter - 9	Fall Quarter - 5
Winter Quarter - 8	Winter Quarter - 6
Spring Quarter - 6	Spring Quarter - 7

# Tech Prep Success at Shoreline Community College

**2499** TP students have been in the SCC data system since 1992

- Of those, **1038 (47%)** earned a college level GPA of 4.0 in at least one course
- **96%** of all TP students earned a GPA of 2.50 or higher

**78** of all TP students had COMPASS placement scores (63 English, 59 Math)

**138 Awards** (degrees and certifications) have been granted to 120 Tech Prep students:

Award title	#	Award title	#
VCT COMPU GRAPHICS FND CERTIF	2	ASSOCIATE IN ARTS AND SCIENCES OPTION B UW GENERAL TRANSFER	6
A+PC SERVICE TECH - CERTIF	1	ASSOC IN APPLIED ARTS/SCIENCES CRIMINAL JUSTICE	2
CERTIFICATE OF PROFICIENCY IN CAD-DRAFTING	1	ASSOCIATE IN SCIENCE - TRACK 2	2
CERTIFICATE PREPARATION	1	NURSING - AAAS-T	2
CNC OPERATORS TRAINING - CERT.	1	SPEECH/LANG PATHOLOGY AST-AAAS	2
COSMETOLOGY - CERTIFICATE	1	ASSOC IN APPLIED ARTS/SCIENCES ACCOUNTING	1
DENTAL BUSINESS OFC SPC CERTIF	1	ASSOC IN APPLIED ARTS/SCIENCES MECHANICAL ENGINEERING TECH	1
DIGITAL PERFORMER - CERTIF	1	ASSOCIATE IN ARTS AND SCIENCES OPTION B UW BUSINESS ADMIN	1
ENTREPRENEURSHIP-ST CERT COMPL	1	ASSOCIATE IN BUSINESS - DTA#	1
MEDICAL CODING/REIMB SPEC CERT	1	ASSOCIATE IN SCIENCE - TRACK 1	1
PHLEBOTOMY--CERT	1	AUTO TRAIN-TOYOTA T-TEN - AAAS	1
RETAIL MANAGEMENT - CERT.	1	BEAUTY SALON MANAGEMENT - AAAS	1
VCT ART AND DESIGN FND CERTIF	1	HEALTH INFORMATION TECH - AAAS	1
VCT ART/DESIGN MULTIMEDIA PREP	1	MUSIC TECH.-M.I.D.I.PROD -AAAS	1
ASSOC ARTS/SCIENCES OPT A-DTA#	80	VCT: GRAPHIC DESIGN - AAAS	1
ASSOC ARTS/SCIENCES OPT B	14		

## Greatest Number of Tech Prep Enrollments

(Based on data for all TP students):

1. **Shorewood High School** (Shoreline SD) 321 students
2. **Inglemoor High School** (Northshore SD) 319 students
3. **Shorecrest High School** (Shoreline SD) 206 students

## SCC students have taken advantage of the Tech Prep program in 34 different high school courses

The two most popular: "Principles in Marketing" and "Keyboarding." In 2006, "Principles of Marketing" remained in the lead. Business-related courses are the most transcribed, with biotech and manufacturing courses notably transcribed. Additional courses offered through high schools include applied math, computer/internet, and special projects.

**120** Tech Prep students at SCC have earned a total of **138** awards (14 types of certificate, and 17 different degrees)

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