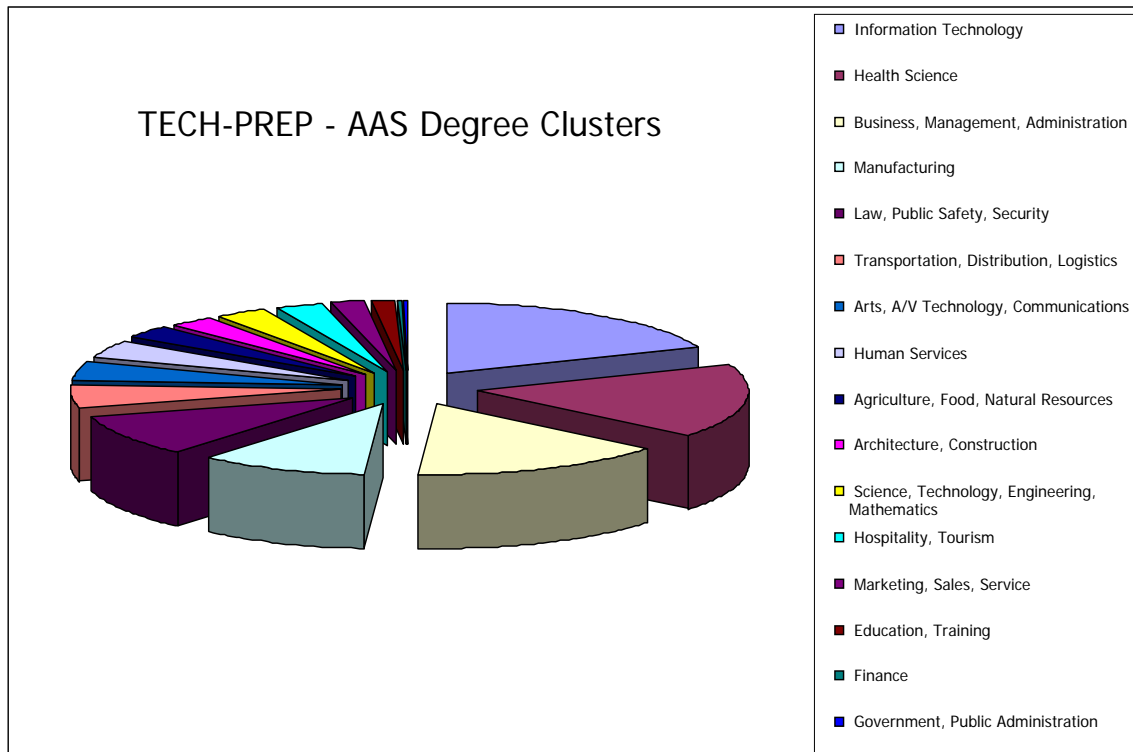


## Tech-Prep Statewide Data 2003 - 2004

Forty-nine percent of the state's 1900 Associate of Applied Science (AAS) degree programs in community and technical colleges are approved as Tech-Prep by the Texas Higher Education Coordinating Board. Of these 926 Tech-Prep Programs:

- 176 are Information Technology (19.0%)
- 155 are Health Science (16.7%)
- 143 are Business, Management, Administration (15.4%)

representing over half of all AAS programs in Texas in 2004.



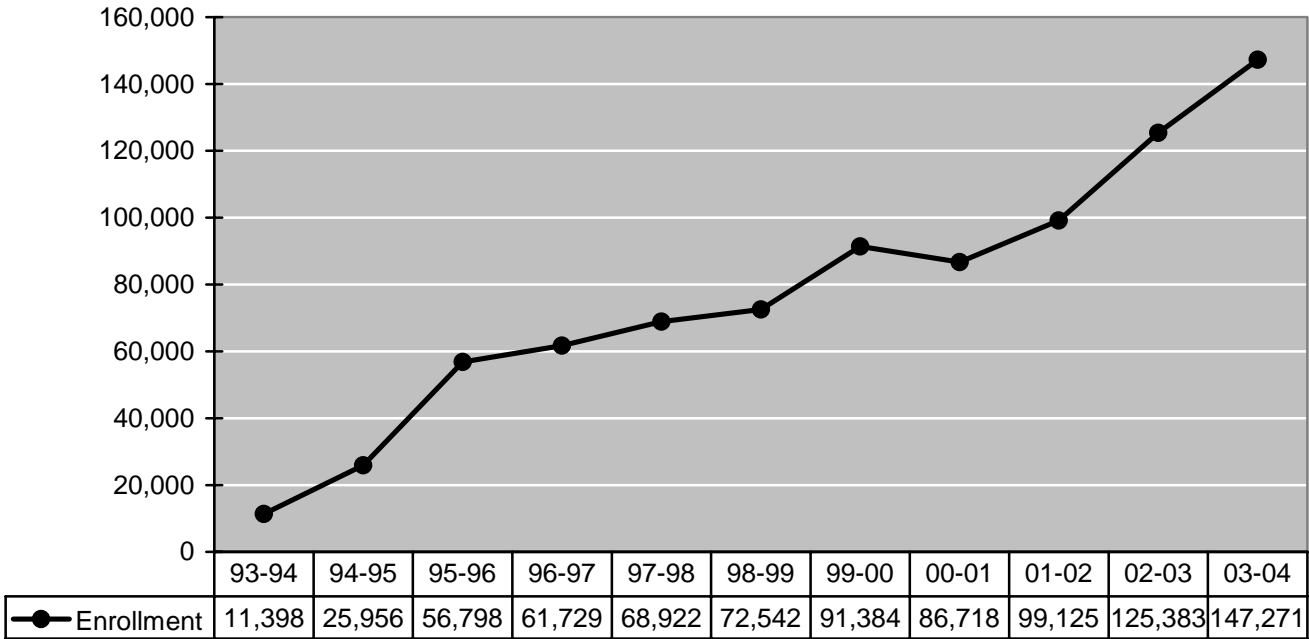
Source: Texas Higher Education Coordinating Board, QUIN, November 2004

Eighty-one percent (793) of the state's public school districts with high schools have one or more Tech-Prep program agreements with one or more colleges.

Source: Tech-Prep Program Inventory, December 2004

There were 147,271 students in the state of Texas enrolled in secondary Tech-Prep programs in Fall, 2003.

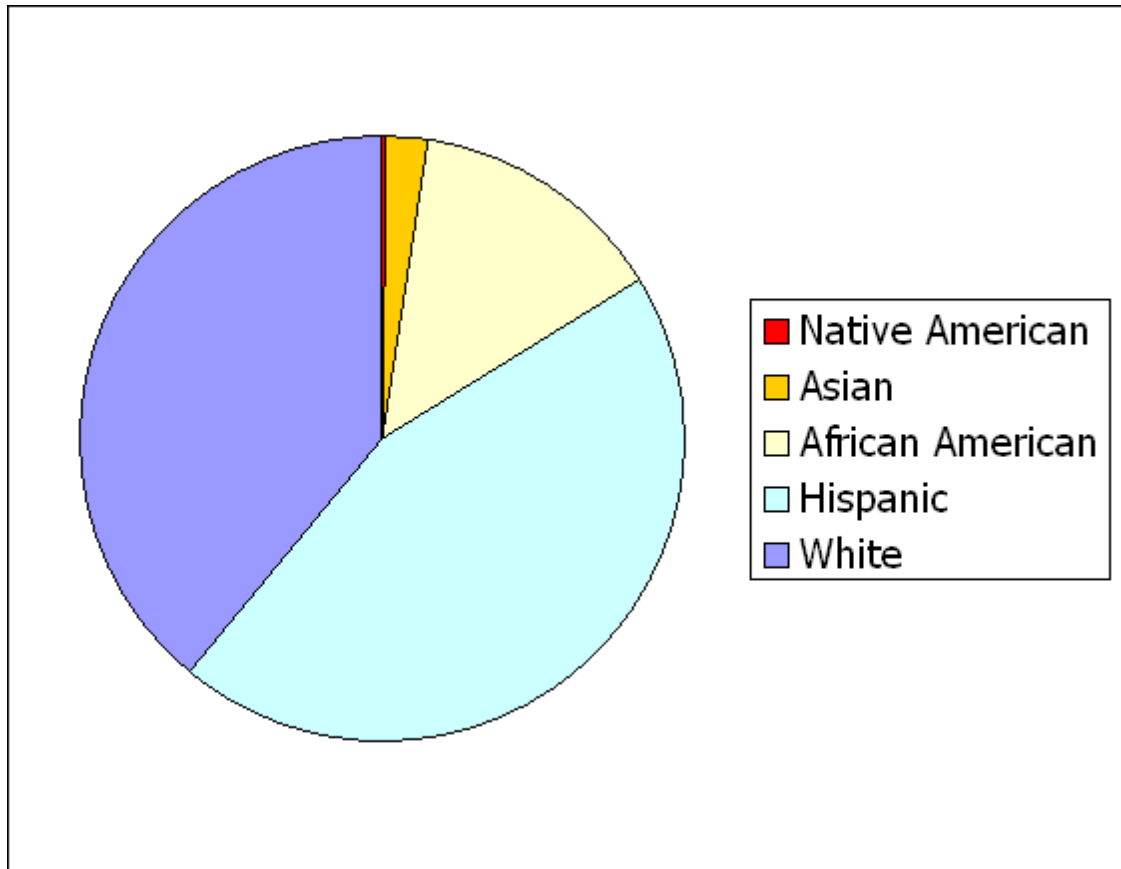
### Tech-Prep Enrollment Grades 9-12 State of Texas



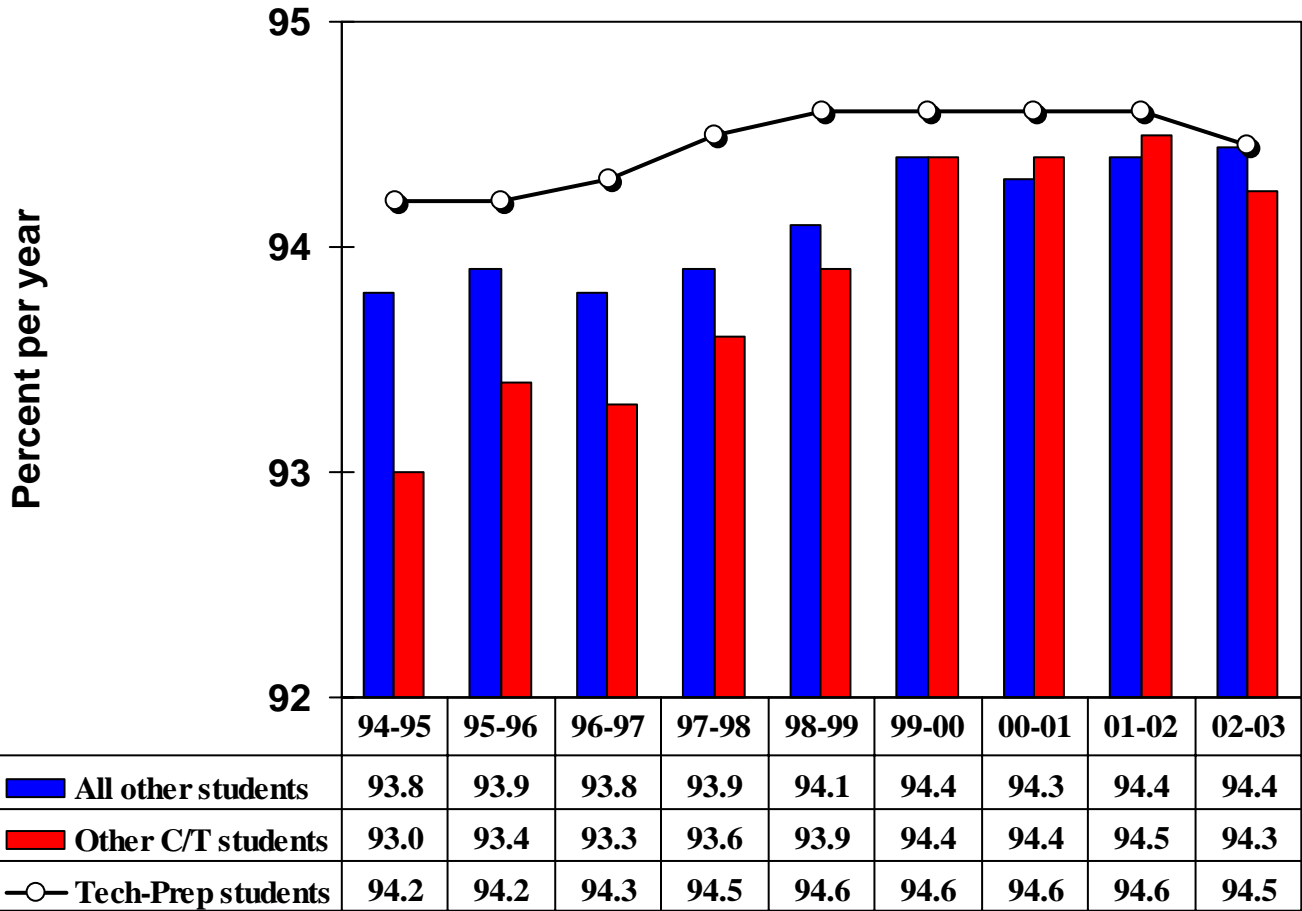
Source: Texas Education Agency - PEIMS

Tech-Prep Demographics Fall 2003:

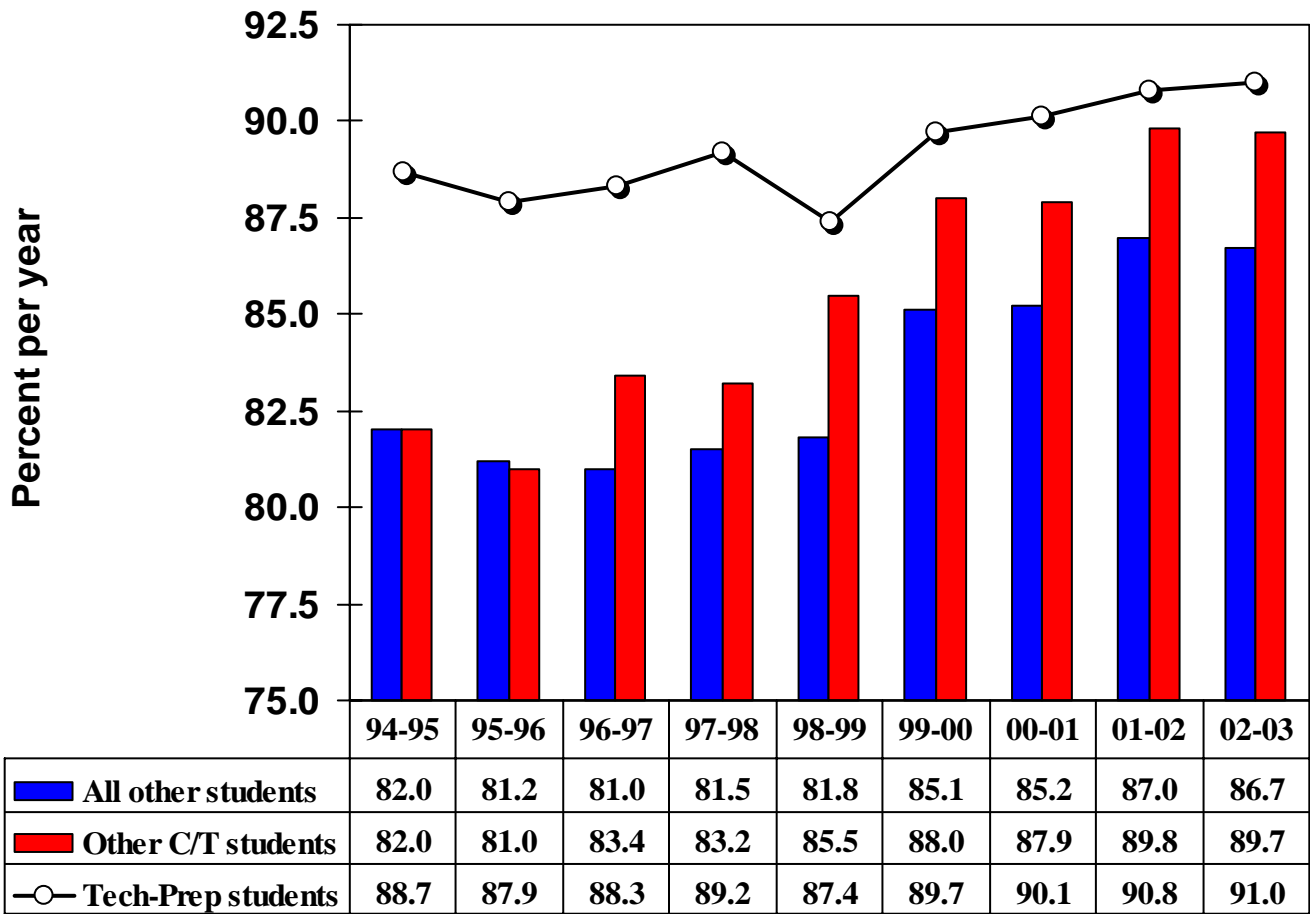
<b>Total</b>	<b>147,271</b>	<b>% of Total</b>
Native American	376	0.3%
Asian	3,130	2.1%
African American	20,731	14.1%
Hispanic	65,449	44.4%
White	57,585	39.1%
Females	73,370	49.8%
Males	73,901	50.2%
Special Ed*	16,516	11.2%
At Risk*	73,753	50.1%
Bilingual/ESL*	7,262	4.9%
Economically Disadvantaged*	65,626	44.6%
All Others	45,518	30.9%
Special Population Students (i.e., not 'All Others')	101,753	69.1%



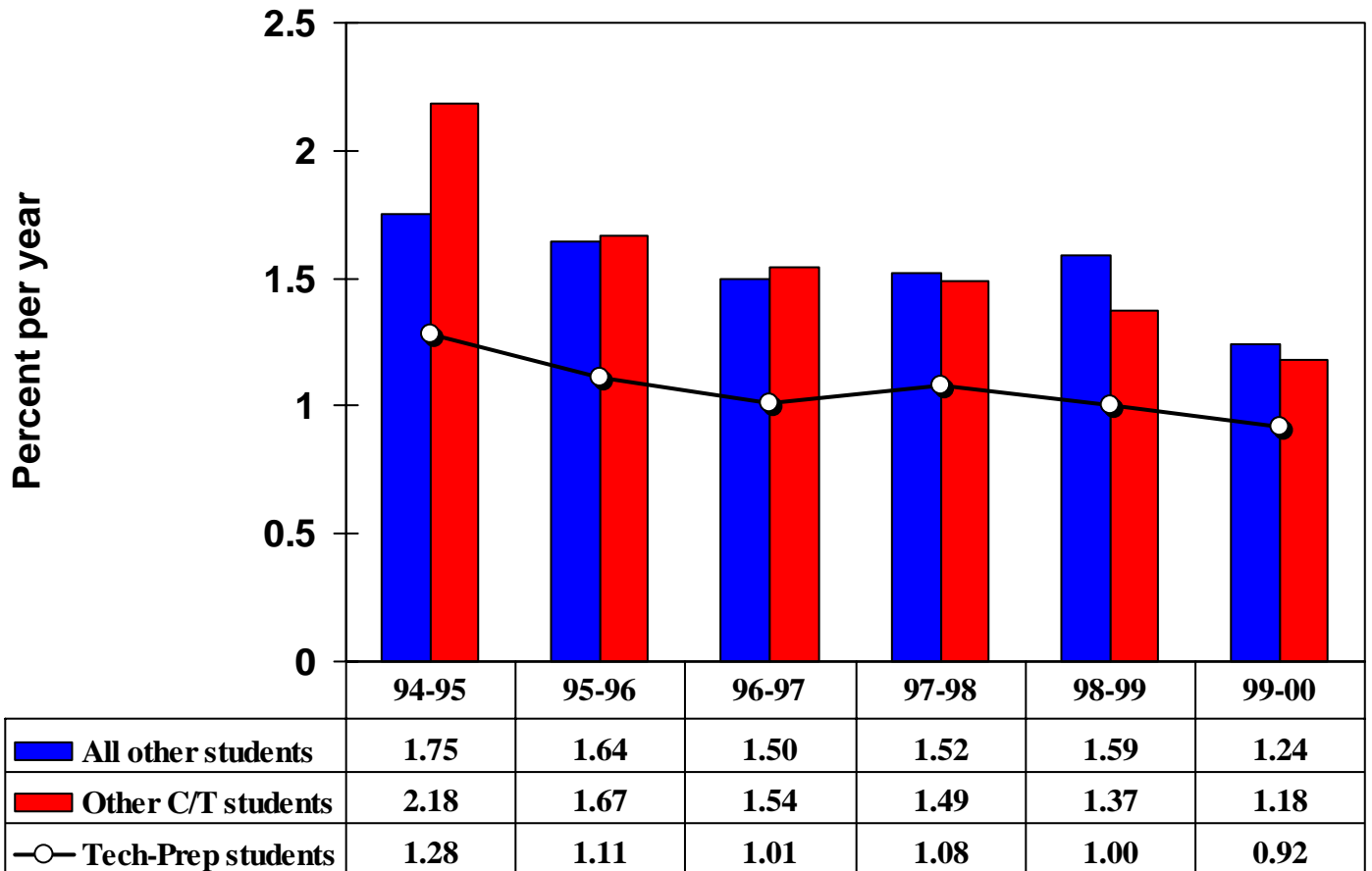
## Attendance Rates State of Texas, Grades 10, 11 and 12



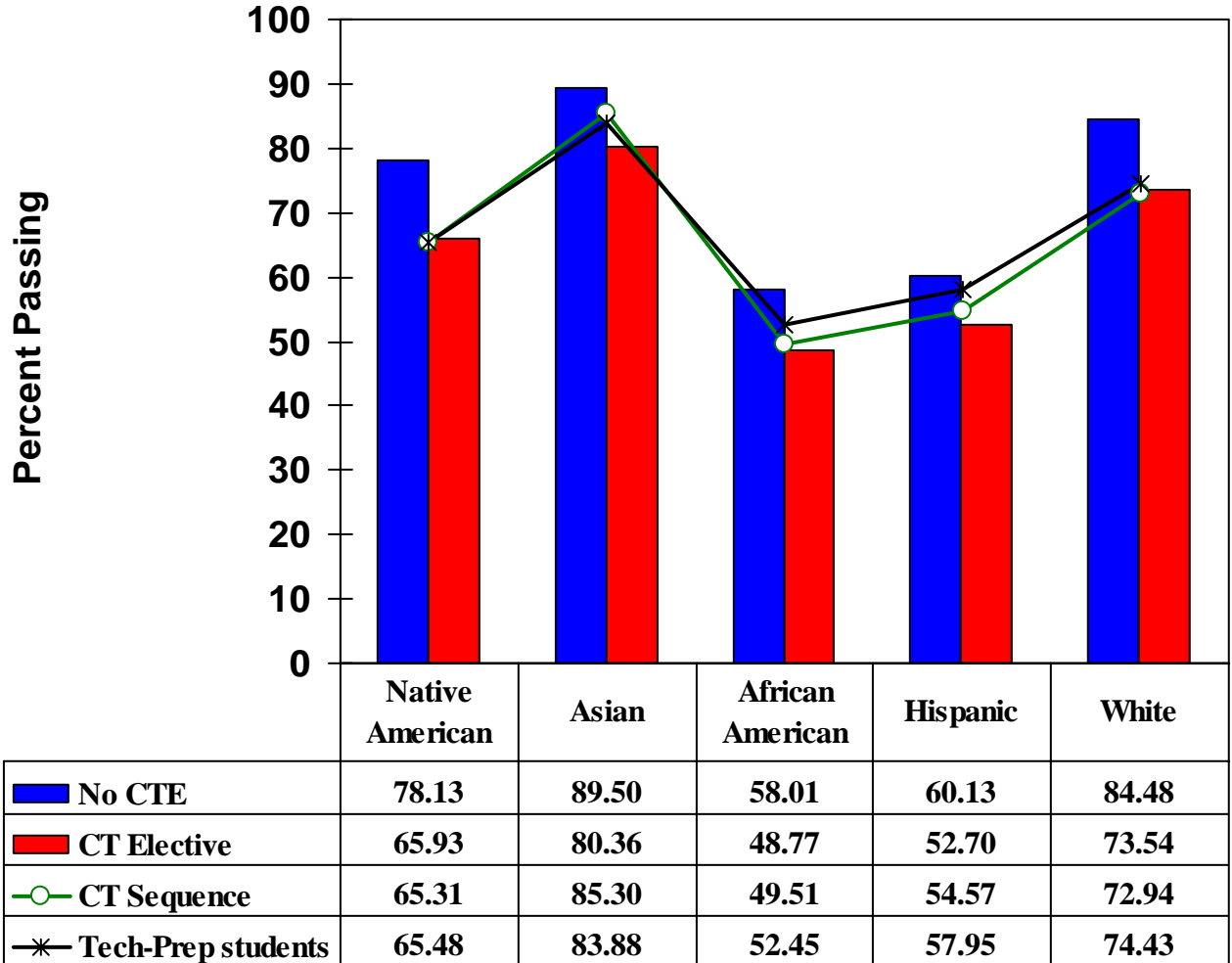
## Graduation Rates State of Texas, Grade 12



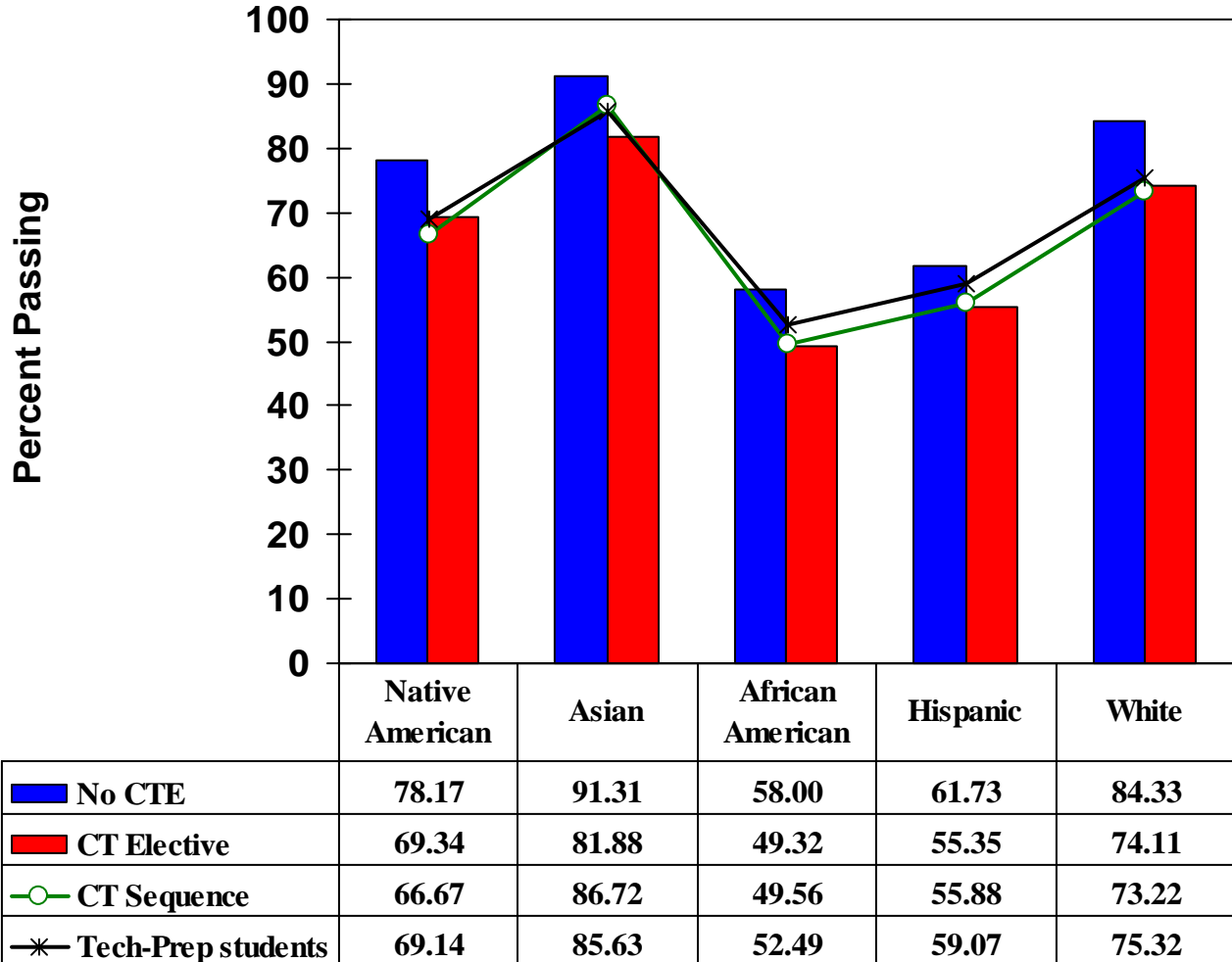
### Drop Out Rates State of Texas



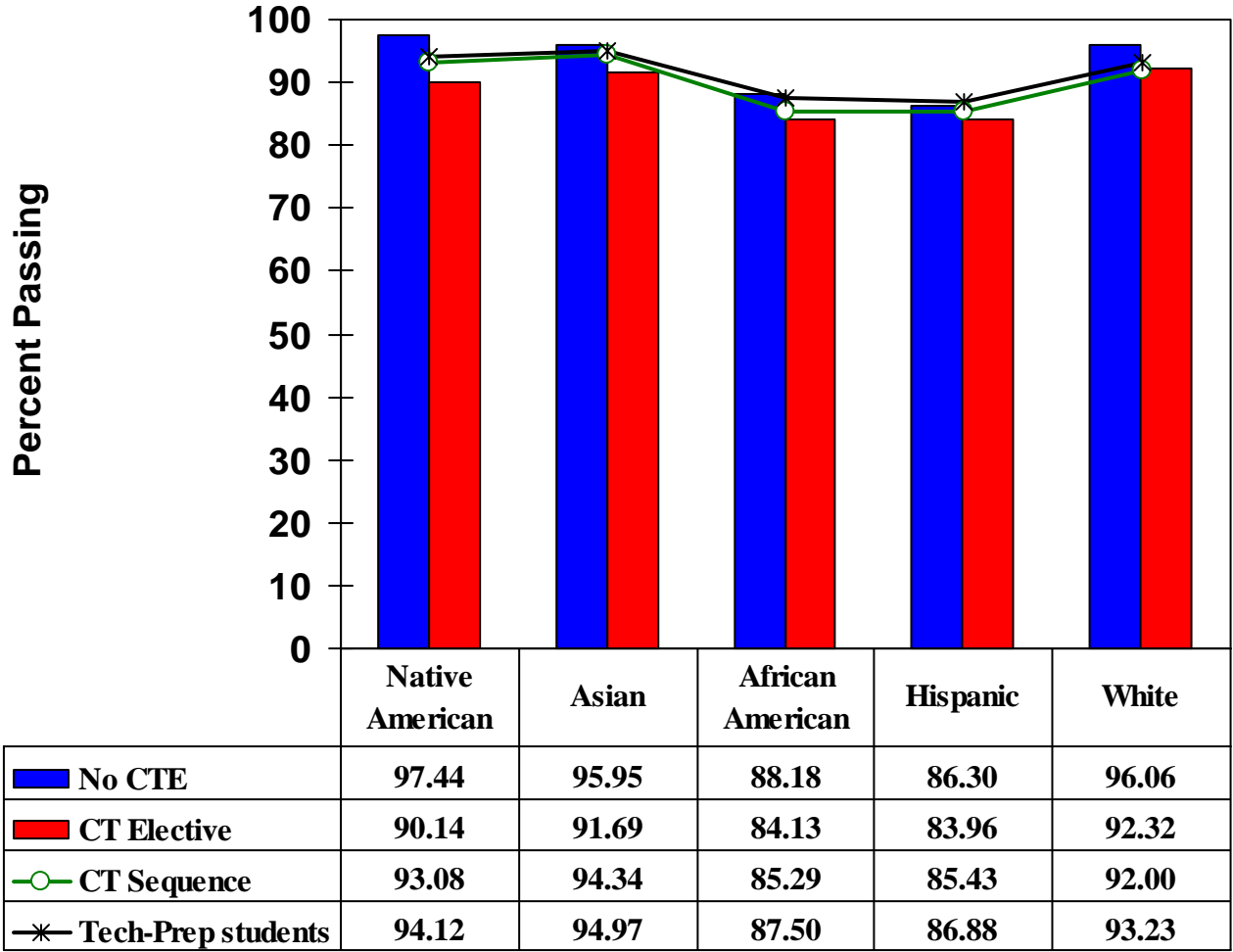
**TAKS – Grade 10 Science, 2003**  
**State of Texas – 67.71% passing, 2098 Mean Scale Score**



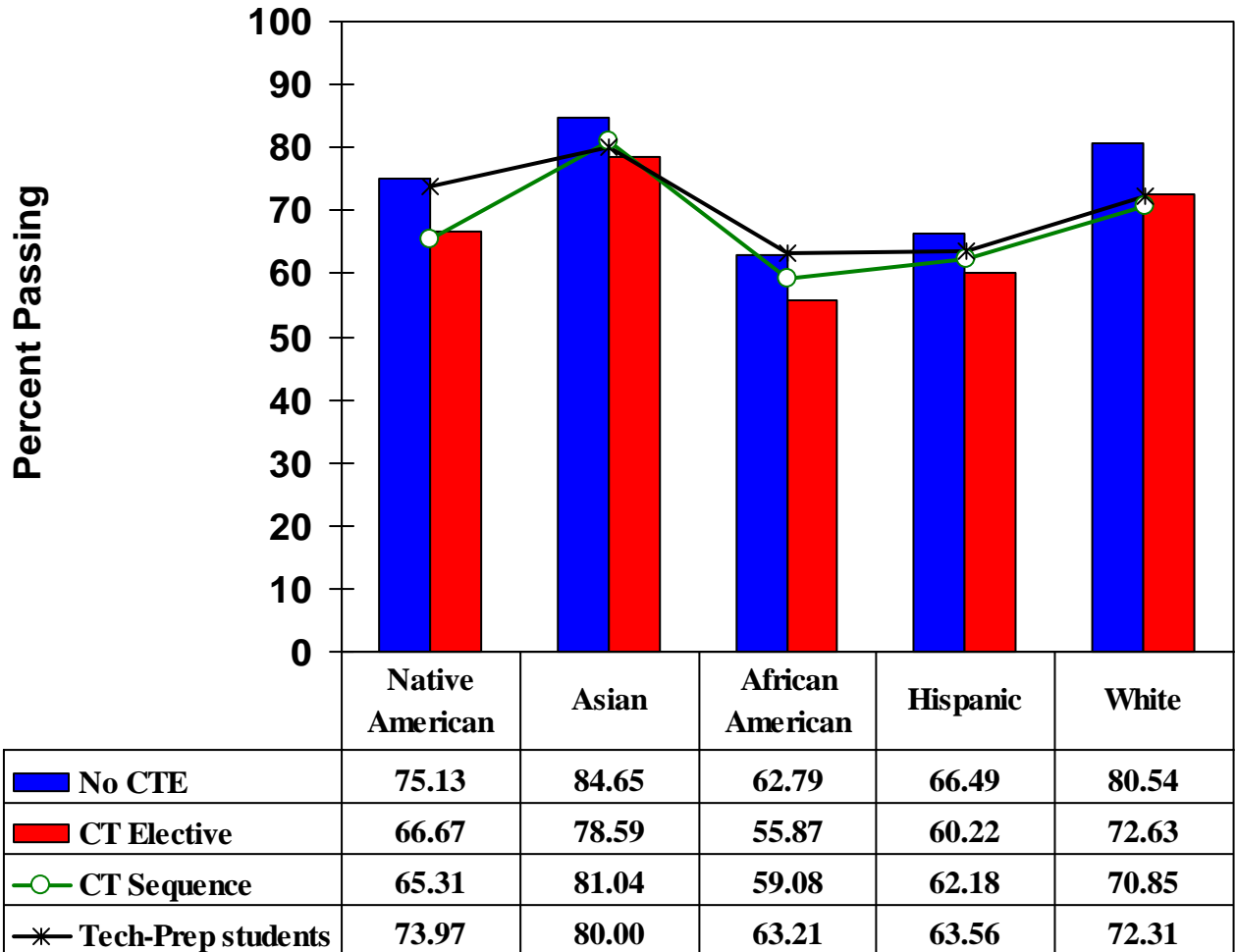
**TAKS – Grade 10 Mathematics, 2003**  
**State of Texas – 68.38% passing, 2103 Mean Scale Score**



**TAKS – Grade 10 Social Studies, 2003**  
**State of Texas – 90.12% passing, 2203 Mean Scale Score**



**TAKS – Grade 10 Reading, 2003**  
**State of Texas – 69.68% passing, 2149 Mean Scale Score**



# Potential Cost Savings for Tech-Prep College Students and Their Families

For most of us there is little question about the value of Tech-Prep as a significant educational force in the State of Texas. Even though we, as Tech-Prep administrators, inherently know the value that the Tech-Prep initiative brings to the students and families of the state, it is often difficult to quantify this value. A set of analyses have been developed at both the Tech-Prep Consortium and the State levels to provide further support for the validity of the Tech-Prep initiative in the State of Texas.

The basic formula is:

$$\text{COLLEGE COSTS} = \text{TUITION} + \text{BOOKS}$$

The assumptions and definitions applied to this formula are as follows:

- Tech-Prep students take a coherent sequence of courses totaling 3 high school units (or more)
- On average, these 3 units can be articulated as 3 college courses or 9 semester credit hours (SCH)
- The Tech-Prep Consortium *average* Cost per Semester Credit Hour (*ConsortiumCost/SCH*) is calculated by taking the *average* Total/SCH\* for the Community Colleges in that Consortium.

Therefore, on average, the potential tuition saved for a Tech-Prep student going into college in Texas is:

$$\text{TUITION} = 9 * \text{ConsortiumCost/SCH}$$

In addition to tuition, book costs must also be included in potential cost savings:

- On average, each course requires 1 book
- On average, each book costs \$50

$$\text{BOOKS} = 3 * \$50 = \$150$$

Using the basic formula, each Tech-Prep student in the state of Texas can save:

$$\text{COLLEGE COSTS} = 9 * \text{ConsortiumCost/SCH} + \$150$$

This College Cost Savings estimate can be applied to various Tech-Prep populations. However, for the current analyses, 2003 – 2004 Tech-Prep Seniors will be considered. For 2003 – 2004, Texas Tech-Prep Senior Enrollment of 48,033 students represents 32.6% of the total 9-12 Tech-Prep Enrollment of 147,271 students for the state.

2003-2004 Tech-Prep Seniors **	Average College Costs / Student	Potential Savings for Tech-Prep Seniors
48,033	\$563	\$26,855,937

\* Source: *Total/SCH* for TSTC, Texas State Technical College Registrar, September, 2004; *Total/SCH* for Southeast Texas (Lamar University), Lamar University Registrar, July, 2004; for all other Community Colleges, TACC Survey, Last Updated 10/15/03, 50 of 50 colleges; tacc.org website.

Note: *Total/SCH* is:

- the *average* \$\$/SCH tuition and fees per credit hour for each Community College
- calculated for a student enrolled for 12 semester credit hours including one laboratory course
- rounded to the nearest dollar

\*\* Source: TEXAS EDUCATION AGENCY

# Potential Cost Savings for Tech-Prep Students and Their Families Seniors 2003 – 2004

## BY CONSORTIUM

### ASSUMPTIONS:

*College Costs = Tuition + Books*

*Tuition = 9 \* ConsortiumCost/SCH*

where ConsortiumCost/SCH = average Total/SCH\* for the consortium

*Books = \$150*

Consortium	TP Senior Enrollment **	College Costs / Consortium	Total Potential Savings
Alamo	1,793	\$555	\$995,115
Brazos Valley	935	600	561,000
Capital Area	2,059	591	1,216,869
Central Texas	969	591	572,679
Coastal Bend	1,804	564	1,017,456
Concho Valley	792	573	453,816
Deep East Texas	274	420	115,080
East Texas	1,641	537	881,217
Global EDGE	871	456	397,176
Golden Crescent	926	510	472,260
Gulf Coast	9,251	519	4,801,269
Heart of Texas	225	618	139,050
Lower Rio Grande	3,893	744	2,896,392
North Central Texas	7,979	474	3,782,046
North Texas	594	528	313,632
Panhandle	2,124	591	1,255,284
Permian Basin	587	546	320,502
South Plains	1,296	663	859,248
South Texas	1,687	537	905,919
Southeast Texas	1,340	690	924,600
STAR (Middle Rio Grande)	394	546	215,124
Texoma	1,256	510	640,560
Upper East Texas	1,048	528	553,344
Upper Rio Grande	2,496	627	1,564,992
Weatherford Area	873	501	437,373
West Central Texas	926	609	563,934
<b>Totals / \$ Average / \$ Totals</b>	<b>48,033</b>	<b>\$563</b>	<b>\$26,855,937</b>

\*Source: Total/SCH for TSTC, Texas State Technical College Registrar, September, 2004; Total/SCH for Southeast Texas (Lamar University), Lamar University Registrar, July, 2004; for all other Community Colleges, TACC Survey, Last Updated 10/15/03, 50 of 50 colleges; tacc.org website.

Note: Total/SCH is:

- the average \$\$/SCH tuition and fees per credit hour for each Community College
- calculated for a student enrolled for 12 semester credit hours including one laboratory course
- rounded to the nearest dollar

\*\*Source: TEXAS EDUCATION AGENCY

## Potential Savings for the State of Texas Fall 2004

**ASSUMPTIONS:**

1 semester credit hour (SCH) = 16 contact hours

Tech-Prep students take a coherent sequence of courses totaling 3 high school units (or more)

On average, these 3 units can be articulated as 3 college courses or 9 SCH

***Savings to State = ConsortiumContactHours x StateReimbursementRate \****

***ConsortiumContactHours = 16 contact hours x 9 SCH x Consortium Student Enrollment***

where Consortium Student Enrollment is Tech-Prep Senior Enrollment 2003 - 2004

***StateReimbursementRate = \$4.22***

Consortium	TP Senior Enrollment **	Consortium Contact Hours	Total Potential Savings
Alamo	1,793	258,192	\$1,089,570
Brazos Valley	935	134,640	568,181
Capital Area	2,059	296,496	1,251,213
Central Texas	969	139,536	588,842
Coastal Bend	1,804	259,776	1,096,255
Concho Valley	792	114,048	481,283
Deep East Texas	274	39,456	166,504
East Texas	1,641	236,304	997,203
Global EDGE	871	125,424	529,289
Golden Crescent	926	133,344	562,712
Gulf Coast	9,251	1,332,144	5,621,648
Heart of Texas	225	32,400	136,728
Lower Rio Grande	3,893	560,592	2,365,698
North Central Texas	7,979	1,148,976	4,848,679
North Texas	594	85,536	360,962
Panhandle	2,124	305,856	1,290,712
Permian Basin	587	84,528	356,708
South Plains	1,296	186,624	787,553
South Texas	1,687	242,928	1,025,156
Southeast Texas	1,340	192,960	814,291
STAR (Middle Rio Grande)	394	56,736	239,426
Texoma	1,256	180,864	763,246
Upper East Texas	1,048	150,912	636,849
Upper Rio Grande	2,496	359,424	1,516,769
Weatherford Area	873	125,712	530,505
West Central Texas	926	133,344	562,712
<b>Totals / Average / \$ Totals</b>	<b>48,033</b>	<b>266,029</b>	<b>\$29,188,693</b>

\*Source: State Reimbursement Rate, definition, THECB Financial Index, website, date.

\*\* Source: TEXAS EDUCATION AGENCY