



Advanced College Placement for Technical Programs

DATA SUMMARY - August 2002

Tech Prep: A promising strategy that is **Closing the Gaps** in participation and success.

College-preparatory programs of study

The Recommended High School Program is the standard curriculum for Tech Prep programs (HB 2401, 76th Texas Legislature).

Seamless student transitions

Tech Prep programs align high school and college curricula to reduce duplication of coursework and to save time and money.

Content-enhanced career and technology (C/T) courses

Participation in higher-level technical courses encourages enrollment in postsecondary programs in engineering, allied health, nursing, and other critical fields.

College credit earned in high school

Students participating in Tech Prep programs may earn college credit by:

- *Statewide and/or local articulation;*
- *Dual credit by concurrent enrollment; and/or*
- *College Board Advanced Placement Program (AP).*

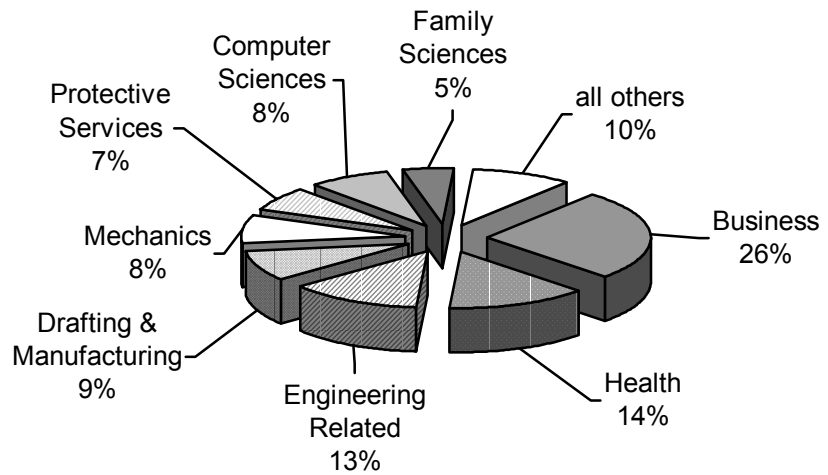
Tech Prep is a federally funded initiative to improve the transition of high school students into higher education.

Data tables may be viewed at: www.TechPrepTexas.org

About one-half of the state's 1,672 associate of applied science (AAS) degree programs in community and technical colleges are approved as Tech Prep by the Texas Higher Ed. Coordinating Board. Of these 831 Tech Prep programs:

- 176 are engineering and manufacturing-related programs
- 118 are nursing and allied health programs
- 285 are in business and computer-related fields

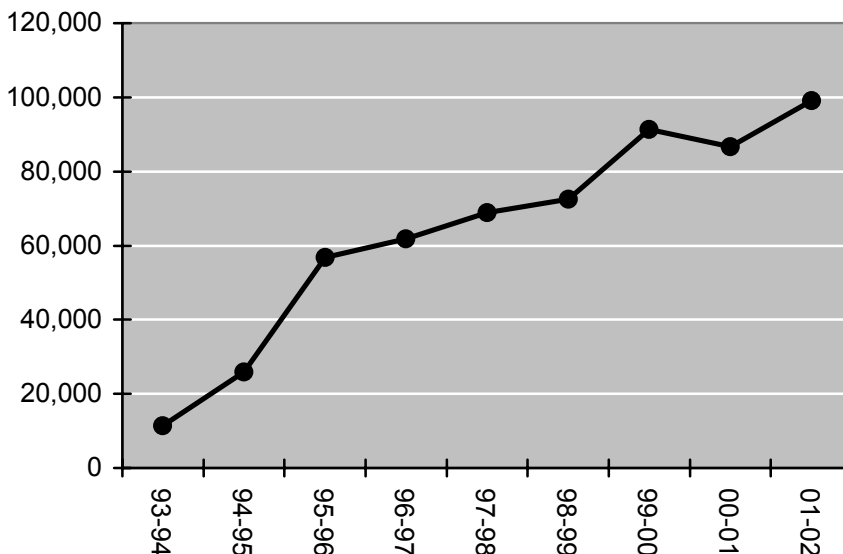
Tech Prep AAS Degrees by Area State of Texas



Texas Higher Education Coordinating Board, QUIN, April 2002

Over 75% (739) of the state's public school districts with high schools have one or more Tech Prep program agreements with one or more colleges, providing almost 7,000 Tech Prep options for high school students statewide. Tech Prep Program Inventory, June 2002

Tech Prep Enrollment Grades 9-12 State of Texas

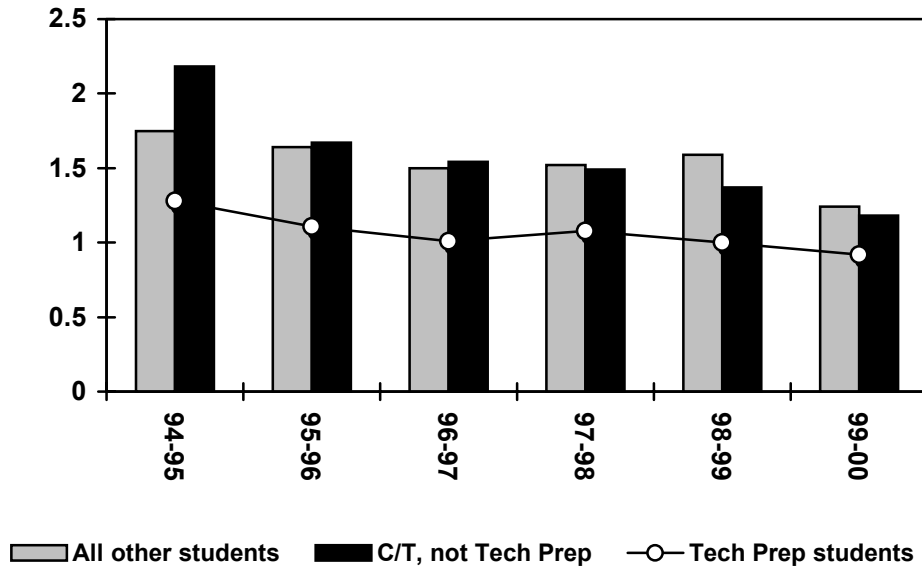


There were 99,125 students enrolled in secondary Tech Prep programs Fall 2001.

- Over 54% were Hispanic and African American youth
- About 42% were classified at-risk
- About 39% were classified economically disadvantaged

Texas Education Agency, PEIMS

Annual Dropout Rates (%), Grades 10-12 State of Texas



Participants in Tech Prep programs have lower average annual dropout rates than students who have not participated in Tech Prep.¹

Texas Education Agency, PEIMS

Hispanic Tech Prep students in border regions² and in large urban areas had lower average annual dropout rates than Hispanic students not taking any career/technology courses or taking a C/T course as an elective only (1999-2000).

Tech Prep Region	Hispanic Tech Prep Students	All other Hispanic students
Lower Rio Grande	1.04%	1.64%
South Texas	0.55%	1.11%
STAR (Middle Rio Grande)	1.0%	1.38%
Upper Rio Grande	1.71%	2.12%
Gulf Coast	1.21%	1.8%
North Central Texas	1.16%	1.73%

Texas Education Agency, PEIMS

African American Tech Prep students in urban areas with a high percentage of African American students (over 19%) had lower average annual dropout rates than African American students not taking any career/technology courses or taking a C/T course as an elective only (1999-2000).

Tech Prep Region	Af/Am Tech Prep Students	All other Af/Am students
Gulf Coast	0.47%	1.69%
North Central Texas	0.64%	1.44%
Southeast Texas	1.0%	1.83%

Texas Education Agency, PEIMS

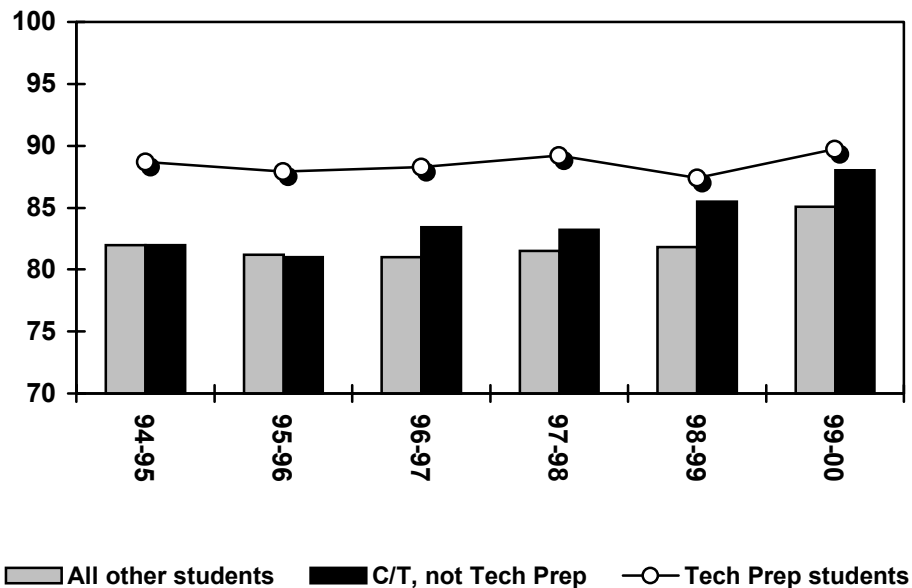
¹ All other students – not taking any career/technology course or taking a C/T course as an elective only.
C/T, not Tech Prep – enrolled in a coherent sequence of career/technology courses not part of a Tech Prep program.
Tech Prep students – enrolled in a Tech Prep coherent sequence of career/technology and academic courses articulated with one or more postsecondary programs.

² Border regions are defined by Tech Prep consortium boundaries (see map page 8).

Participants in high school Tech Prep programs have higher average grade 12 graduation rates than students who have not participated in Tech Prep (senior year C/T classification).³

Texas Education Agency, PEIMS

Graduation Rates (%), Grade 12 State of Texas



Hispanic Tech Prep students in most border regions⁴ and in large urban areas had higher average grade 12 graduation rates than Hispanic students not taking any career/technology courses or taking a C/T course as an elective only (1999-2000).

Tech Prep Region	Hispanic Tech Prep Students	All other Hispanic students
Lower Rio Grande	88.2%	82.4%
South Texas	87.9%	84.8%
STAR (Middle Rio Grande)	88.2%	72.9%
Upper Rio Grande	77.9%	81.2%
Gulf Coast	88.6%	80.2%
North Central Texas	88.5%	79%

Senior year C/T classification, Texas Education Agency, PEIMS

African American Tech Prep students in urban areas with a high percentage of African American students (over 19%) had higher average grade 12 graduation rates than African American students not taking any career/technology courses or taking a C/T course as an elective only (1999-2000).

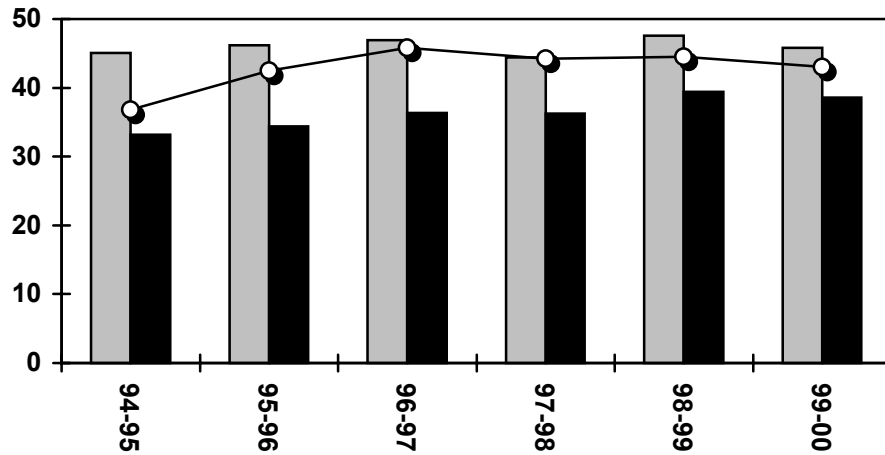
Tech Prep Region	Af/Am Tech Prep Students	All other Af/Am students
Gulf Coast	89.1%	81.5%
North Central Texas	89.6%	80.1%
Southeast Texas	92.6%	84.5%

Senior year C/T classification, Texas Education Agency, PEIMS

³ All other students – not taking any career/technology course or taking a C/T course as an elective only.
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Tech Prep students – enrolled in a Tech Prep coherent sequence of career/technology and academic courses articulated with one or more postsecondary programs.

⁴ Border regions are defined by Tech Prep consortium boundaries (see map page 8).

**Percent Graduates Completing
College-Preparatory Plans
State of Texas**



All other students
 C/T, not Tech Prep
 Tech Prep students

High school graduates who participated in Tech Prep programs completed college-preparatory programs of study more often than career/technology students who did not participate in Tech Prep high school programs (senior year C/T classification).⁵

Hispanic Graduation Rates and Percent Graduates Completing College-Preparatory Graduation Plans, 1999-2000		
Senior Year Career/Technology (C/T) Classification	Overall Graduation Rate	Percent Graduates Completing College-Preparatory Plans
All other students	79.8%	40.6%
C/T, not Tech Prep	85.5%	38.2%
Tech Prep students	87.3%	44.6%

About 45% of Hispanic high school graduates who participated in Tech Prep completed a college-preparatory program of study, a rate higher than that of Hispanic students who did not participate in Tech Prep programs in high school (1999-2000 senior year C/T classification).

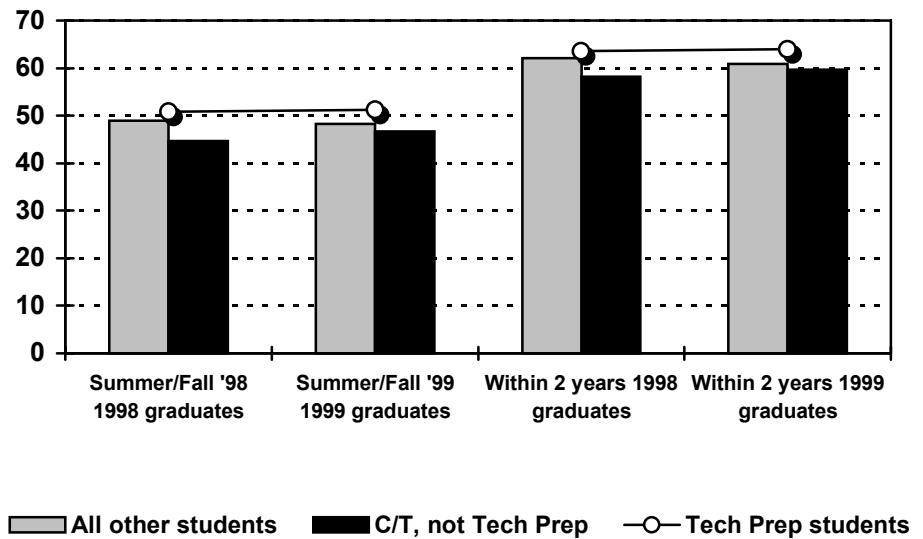
- 88% of Hispanic graduates completed college-preparatory programs in the South Texas Tech Prep region; 63% in the Lower Rio Grande Tech Prep region

Senior year C/T classification, Texas Education Agency, PEIMS

⁵ All other students – not taking any career/technology course or taking a C/T course as an elective only.
C/T, not Tech Prep – enrolled in a coherent sequence of career/technology courses not part of a Tech Prep program.
Tech Prep students – enrolled in a Tech Prep coherent sequence of career/technology and academic courses articulated with one or more postsecondary programs.

More than 50% of high school graduates who participated in Tech Prep programs entered public two-year colleges or universities in Texas the summer or fall after graduation, and about 64% entered within two years. Both rates are higher than students who did not participate in Tech Prep programs (senior year C/T classification, graduating in 1998 and 1999).⁶

Percent High School Graduates Entering Texas Colleges Immediately & Within 2 Years
State of Texas



Texas Higher Education Coordinating Board,
Master enrollment files and Texas Education Agency, PEIMS

Percent High School Graduates Entering Postsecondary Education in Texas Summer/Fall After Graduation Still Enrolled After Two Years or Received a Certificate/Degree Within Two Years				
Career/Technology Senior Year Classification	Still Enrolled After Two Years		Awarded Credential Within Two Years	
	1998 Graduates F '00	1999 Graduates F '01	1998 Graduates By F '00	1999 Graduates By F '01
All other students	66%	66.5%	2.7%	2.8%
C/T, not Tech Prep	61.5%	62.8%	3%	2.9%
Tech Prep students	63.2%	64.2%	3.6%	3.5%

Of the graduates who participated in Tech Prep programs in high school and entered a Texas public college or university the summer or fall after graduation, over 63% were still enrolled Fall 2000 (1998 graduates) or Fall 2001 (1999 graduates).

Over 3.5% received a certificate, two-year or baccalaureate degree within two years compared to 3% or less for high school graduates not participating in Tech Prep programs in high school (senior year classification, graduating in 1998 and 1999).

Texas Higher Education Coordinating Board, master enrollment and graduate files and Texas Education Agency, PEIMS

⁶ All other students – not taking any career/technology course or taking a C/T course as an elective only.
C/T, not Tech Prep – enrolled in a coherent sequence of career/technology courses not part of a Tech Prep program.
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The Statewide Articulation Program

Promoting and Facilitating Student Transition to College

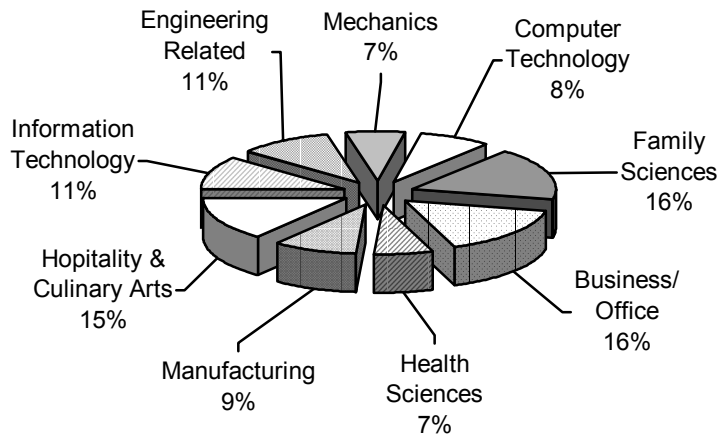
The Statewide Articulation Program (SWAP) is an advanced placement process for students enrolling in postsecondary workforce education programs. The program provides high school students with a method to *start a college technical major in high school*. Under the program, public high schools in Texas have the option to offer content-enhanced, articulated courses that provide instruction equivalent to technical courses taught by public community and technical colleges.

Beginning Fall 2002, seventy-five content-enhanced articulated high school courses are approved for use by high schools. These courses may count for articulated college credit at participating two-year colleges across the state.

Many SWAP courses may be applied to college Tech Prep programs.

Texas Education Agency, PEIMS CO22

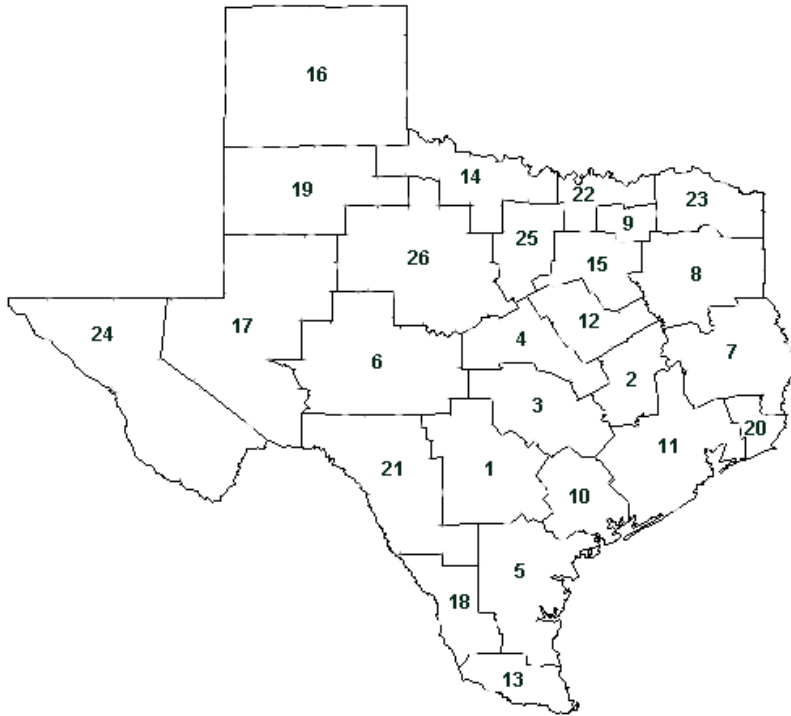
Statewide-Articulated High School Courses



- Students that meet requirements can apply these courses to applicable two-year college technical degrees, including Tech Prep programs.
- Courses are taught by qualified teachers with special training in articulation. Information on trained teachers is maintained on a statewide database.
- Statewide-articulated courses are approved for advanced measures on the high school Distinguished Achievement Program (DAP).
- Some schools offer students weighted GPA for these content-enhanced courses.

In Fall 2001, there were almost 23,000 enrollments in content-enhanced career/technology high school courses approved for statewide articulation. Texas Education Agency, PEIMS

As of March 2002, over 720 high school teachers that met the qualifications to teach statewide-articulated courses completed a TEA-required SWAP teacher-training program, representing over 230 school districts across the state. Region 5 Education Service Center, SWAP Teacher Database



Tech Prep Region and Consortium Information

can be found at:

[www.TechPrepTexas.org/
consortia_index.htm](http://www.TechPrepTexas.org/consortia_index.htm)

or call:

1. Alamo

(210) 932-5732

2. Brazos Valley

(979) 209-7500

3. Capital Area

(512) 223-7825

4. Central Texas

(254) 298-8482

5. Coastal Bend

(361) 698-1787

6. Concho Valley

(915) 481-8340

7. Deep East Texas

(936) 633-5307

8. East Texas

(903) 566-7353

9. Global EDGE

(972) 548-6724

10. Golden Crescent

(361) 580-2989

11. Gulf Coast

(281) 260-3110

12. Heart of Texas

(254) 867-3958

13. Lower Rio Grande

(956) 364-4509

14. North Texas

(940) 696-8752, ext. 3249

15. North Central Texas

(214) 860-5767

16. Panhandle

(806) 354-4736

17. Permian Basin

(915) 697-5863, ext. 3611

18. South Texas

(956) 721-5165

19. South Plains

(806) 885-3048, ext. 4710

20. Southeast Texas

(409) 882-3074

21. STAR

(830) 591-7223

22. Texoma

(903) 463-8754

23. Upper East Texas

(903) 782-0759

24. Upper Rio Grande

(915) 780-6501

25. Weatherford Area

(817) 598-6336

26. West Central Texas

(915) 672-8544

State Tech Prep Offices

(512) 427-6250; 463-9311

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