



Tennessee Tech University Overview

2013 Report Card on the Effectiveness of Teacher Training Programs

Tennessee Tech University is a public, four-year institution of higher education in the Tennessee Board of Regents system. The university is accredited by the Southern Association of Colleges and Schools and the National Council for Accreditation of Teacher Education.

Institution Highlights:

- Tennessee Technological University had 462 program completers and a pass rate of 99% on the Praxis II Principles of Learning and Teaching examination.
- Program completers perform at the same level as *veteran teachers* in the following areas:
 - 4th-8th grade TCAP math
 - High school End of Course exam composite, Algebra I, Algebra II, Biology I, English I, English II, and English III
- Program completers from TTU are less effective than *veteran teachers* in 4th-8th grade TCAP composite, reading, science and social studies.
- TTU program completers perform at the same level as other *beginning teachers* in the following areas:
 - 4th-8th grade TCAP composite, math, and reading
 - High school End of Course exam composite, Algebra I, Algebra II, Biology I, English I, English II, and English III
- Program completers from TTU are less effective than other *beginning teachers* in 4th-8th grade TCAP science and social studies.
- TTU program completers have lower numbers of completers in the most effective percentile as compared to *all teachers*' performance distributions across the state in 4th-8th grade TCAP composite, reading, and social studies.
- TTU program completers have higher numbers of completers in the lowest effective percentile as compared to *all teachers*' performance distributions across the state in 4th-8th grade TCAP composite, science and social studies, as well at high school Algebra II.

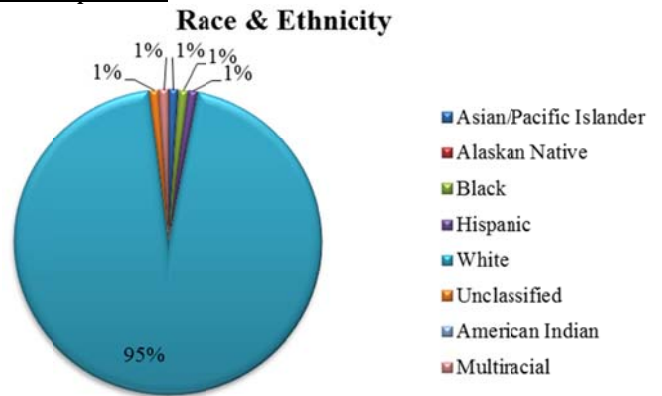
Tennessee Tech University

Teacher Education Program Information

Location:	Cookeville, TN
Institution Type:	TBR
Accreditation:	SACS, NCATE
Top Endorsement Areas:	Elementary K-6 (249 completers) Middle Grades (31 completers)

2011-2012 Program Completers

Total Number	462
Male	20%
Female	80%
In-state	99%
Out-of-state	1%
Traditional License	442
Alternative License	20



Academic Information

	Average All Completers		Range All Completers	Average Traditional		Average Alternative		State Average All Completers	
	Average	N		Average	N	Average	N	Average	N
Final GPA	3.63	462	2.26-4.0	3.63	442	3.73	20	3.59	4485
Major GPA								3.62	1812
High School GPA	3.32	409	2.0-4.0	3.32	398	3.33	11	3.38	1649
ACT Composite	21.7	386	13-33	21.6	376	23.4	10	22.6	1847
ACT Reading	23	379	11-36	23	370	23.2	9	23.6	1686
ACT Science	21.5	379	12-33	21.5	370	21.7	9	21.9	1655
ACT English	22.5	386	10-36	22.4	376	26.1	10	23.3	1697
ACT Math	21	386	12-32	21	376	23	10	21.2	1698
SAT Cumulative								1099	203
SAT Math								543	185
SAT Verbal								551	180
MAT Score	409	16	375-445	409	16			401	149

Placement and Retention Data

Data reflect the placement and retention rates of graduates for each cohort year listed. These data are based on the program completers in the Personnel Information Reporting System (PIRS). The years refer to the number of years since the completers have graduated and been eligible to teach. Therefore, these data help to inform the rate at which an institution's graduates enter and remain in the teaching field in Tennessee public schools. The number teaching 3 out of 4 years is included to account for the teachers who may leave the profession for a year but do return (e.g. for maternity leave or FMLA).

Cohort Year	Number of Completers	Teaching in Year 1	Teaching in Year 2	Teaching 3 Consecutive Years	Teaching 3 out of 4 years
2008 - 09	388	51.3%	63.9%	46.4%	53.2%
2009 - 10	611	58.3%	64.3%	35.0%	
2010 - 11	434	49.5%	37.0%		
2011 - 12	462	43.5%			

Teacher Assessments

Tennessee requires that teacher candidates take Praxis examinations to be recommended for licensure and receive endorsements in specific fields. Below are the Praxis summary pass rates for this institution for all exams.

Praxis Results (2011-2012)	Number Tested	Number Passed	Pass Rate
Summary Pass Rates			
- Traditional	432	426	99%
Summary Pass Rates			
- Alternative	15	15	100%

Note: The pass rate is not provided if there were less than 5 test takers

Teacher T-Value Effects (includes all grades)*One year estimates of T-value of teacher effects (2012 – 2013)***KEY**

- No color: No statistically significant difference
- - Fewer than 5 teachers
- **Green:** Statistically significant positive difference
- **Yellow:** Statistically significant negative difference

Veteran Teacher Comparison: The average effectiveness of beginning teachers (1-3 years of experience) who have graduated from this institution as compared to the average effectiveness of veteran teachers in terms of contribution to student achievement growth.

Traditionally Licensed Teachers

Subject	Difference of Mean Teachers' T-Values from Veterans	Teachers in Program	Total Programs Statewide
TCAP Composite (grades 4-8)	-1.1087	251	31
- Math	-0.3865	136	29
- Reading/Language	-0.2783	147	29
- Science	-0.6143	105	29
- Social Studies	-0.9658	105	28
EOC Composite (High school)	-0.2005	51	26
- Algebra I	-0.9054	8	10
- Algebra II	-1.4657	5	3
- Biology I	0.3942	5	4
- English I	0.6882	17	9
- English II	0.695	14	10
- English III	-0.0329	11	6

Veteran Teacher Comparison: The average effectiveness of beginning teachers (1-3 years of experience) who have graduated from this institution as compared to the average effectiveness of veteran teachers in terms of contribution to student achievement growth.

Alternatively Licensed Teachers

Subject	Difference of Mean Teachers' T-Values from Veterans	Teachers in Program	Total Programs Statewide
TCAP Composite (grades 4-8)	-0.931	7	11
- Math	-0.6691	6	7
- Reading/Language	-	1	8
- Science	-0.4133	6	9
- Social Studies	-	1	6
EOC Composite (High school)	-1.5510	10	14
- Algebra I	-1.719	5	6

Traditionally & Alternatively Licensed Teachers

Subject	Difference of Mean Teachers' T-Values from Veterans	Teachers in Program	Total Programs Statewide
TCAP Composite (grades 4-8)	-1.1039	258	35
- Math	-0.3984	142	33
- Reading/Language	-0.2763	148	33
- Science	-0.6035	111	34
- Social Studies	-0.9480	106	32
EOC Composite (High school)	-0.4219	61	32
- Algebra I	-1.2184	13	17
- Algebra II	-1.4885	9	10
- Biology I	0.5829	7	13
- English I	0.5495	18	15
- English II	0.519	15	13
- English III	-0.2349	12	8

Beginning Teacher Comparison: The average effectiveness of beginning teachers (1-3 years of experience) who graduated from this institution as compared to the mean of the average effectiveness for beginning teachers from all teacher training programs in Tennessee in terms of contribution to student achievement growth.

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Traditionally Licensed Teachers

Subject	Difference of Mean T-Values from Mean of Means	Teachers in Program	Total Programs Statewide
TCAP Composite (grades 4-8)	-0.0405	251	31
- Math	0.4115	136	29
- Reading/Language	-0.0463	147	29
- Science	-0.1625	105	29
- Social Studies	-0.7194	105	28
EOC Composite (High school)	0.3026	51	26
- Algebra I	-0.4564	8	10
- Algebra II	-0.1665	5	3
- Biology I	-0.3988	5	4
- English I	0.4808	17	9
- English II	0.5508	14	10
- English III	-0.0205	11	6

Alternatively Licensed Teachers

Subject	Difference of Mean T-Values from Mean of Means	Teachers in Program	Total Programs Statewide
TCAP Composite (grades 4-8)	-0.9689	7	11
- Math	-1.3195	6	7
- Reading/Language	-	1	8
- Science	-1.5825	6	9
- Social Studies	-	1	6
EOC Composite (High school)	-0.5839	10	14
- Algebra I	-1.4938	5	6

Beginning Teacher Comparison: The average effectiveness of beginning teachers (1-3 years of experience) who graduated from this institution as compared to the mean of the average effectiveness for beginning teachers from all teacher training programs in Tennessee in terms of contribution to student achievement growth.

Traditionally & Alternatively Licensed Teachers

Subject	Difference of Mean T-Values from Mean of Means	Teachers in Program	Total Programs Statewide
TCAP Composite (grades 4-8)	-0.3129	258	35
- Math	0.0775	142	33
- Reading/Language	-0.0683	148	33
- Science	-0.5780	111	34
- Social Studies	-0.8536	106	32
EOC Composite (High school)	0.2347	61	32
- Algebra I	-0.5648	13	17
- Algebra II	0.3734	9	10
- Biology I	0.1999	7	13
- English I	0.5243	18	15
- English II	0.2718	15	13
- English III	-0.3078	12	8

Statewide Distribution

The percentage of beginning teachers (1-3 years of experience) from this teacher training program who fall into either the lowest or highest effectiveness quintiles; the quintiles are based upon the statewide distribution of the t-value of teacher effects.

KEY

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Traditionally Licensed Teachers

Subject	% Below the 20 th Percentile	% Above the 80 th Percentile	Teachers in Program
TCAP Composite (grades 4-8)	25.5%	11.2%	251
- Math	25.0%	19.9%	136
- Reading/Language	25.2%	11.6%	147
- Science	21.9%	13.3%	105
- Social Studies	30.5%	9.5%	105
EOC Composite (High school)	15.7%	17.7%	51
- Algebra I	12.5%	0%	8
- Algebra II	60%	20%	5
- Biology I	20%	20%	5
- English I	5.9%	29.4%	17
- English II	14.3%	35.7%	14
- English III	18.2%	18.2%	11

Alternatively Licensed Teachers

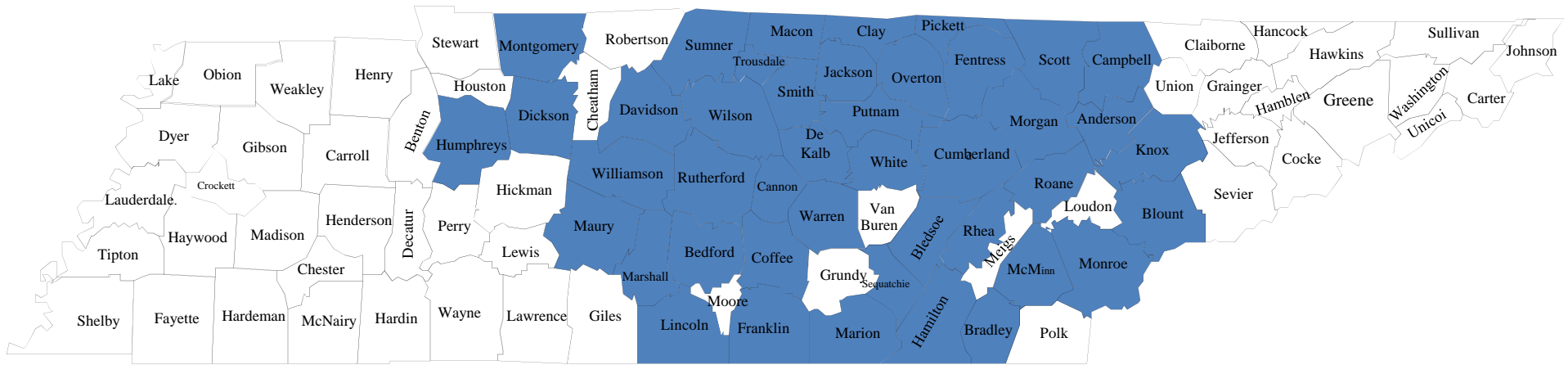
Subject	% Below the 20 th Percentile	% Above the 80 th Percentile	Teachers in Program
TCAP Composite (grades 4-8)	0.0%	14.3%	7
- Math	16.7%	16.7%	6
- Reading/Language	-	-	1
- Science	16.7%	0.0%	6
- Social Studies	-	-	1
EOC Composite (High school)	40.0%	10.0%	10
- Algebra II	40.0%	0.0%	5

Statewide Distribution: The percentage of beginning teachers (1-3 years of experience) from this teacher training program who fall into either the lowest or highest effectiveness quintiles; the quintiles are based upon the statewide distribution of the t-value of teacher effects

Traditionally & Alternatively Licensed Teachers

Subject	% Below the 20 th Percentile	% Above the 80 th Percentile	Teachers in Program
TCAP Composite (grades 4-8)	24.8%	11.2%	258
- Math	24.7%	19.7%	142
- Reading/Language	25.0%	11.5%	148
- Science	21.6%	12.6%	111
- Social Studies	30.2%	9.4%	106
EOC Composite (High school)	19.7%	16.4%	61
- Algebra I	23.1%	0%	13
- Algebra II	44.4%	11.1%	9
- Biology I	14.3%	14.3%	7
- English I	11.1%	27.8%	18
- English II	20%	33.3%	15
- English III	25%	16.7%	12

Tennessee Technological University Counties where 2011-2012 Completers taught in 2012-2013



District	Number of Teachers
Anderson County, Bledsoe County, Blount County, Cannon County, Cleveland, Davidson County, Fayetteville, Humphreys County, Jackson County, Lebanon, Marshall County, Maury County, Morgan County, Pickett County, Sweetwater, Troupdale County, Williamson County	1
Bedford County, Campbell County, Clay County, Clinton, Dickson County, Macon County, Marion County, Montgomery County, Oak Ridge, Rhea County, Rutherford County, Scott County, Sequatchie County, Smith County, Tullahoma	2-5
Coffee County, DeKalb County, Fentress County, Overton County, Roane County, Sumner County, Warren County, White County, Wilson County	6-10

District	Number of Teachers
Cumberland County	12
Hamilton County	17
Knox County	15
Putnam County	24