



Tennessee Tech University Overview

2014 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 Commission on Colleges and the National Council for Accreditation of Teacher Education.

Institution Highlights:

- Tennessee Technological University had 453 program completers in the 2012-2013 cohort and a 99 percent pass rate on the Praxis II Principles of Learning and Teaching examination.
- TTU program completers perform at the same level as *teachers statewide* in the following areas:
 - 4th-8th grade TCAP reading, science, and social studies
 - Algebra I, Algebra II, biology, chemistry, English I, English II, English III and US History
- Program completers from TTU tend to be less effective than *teachers statewide* in the following areas:
 - 4th-8th grade TCAP composite and math
 - High school End of Course exam composite
- TTU has more completers in the highest performing quintile in comparison to *all teachers'* performance distributions across the state in English I.
- TTU has a higher numbers of completers in the least effective quintile as compared to *all teachers'* performance distributions across the state in 4th-8th grade TCAP composite and math.

Tennessee Technological University

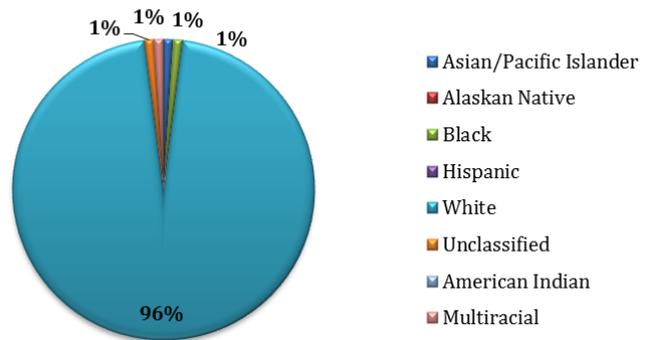
Teacher Education Program Information

Location:	Cookeville, TN
Institution Type:	TBR
Accreditation:	SACSCOC, NCATE
Top Endorsement Areas:	Elementary Education K-6 (252 completers)

2012-2013 Program Completers

Total Completers	453
Male	20%
Female	80%
In-State	99%
Out-of-State	1%
Apprentice License	427
Transitional License	26
Completers Statewide	9.5%

Race & Ethnicity



Academic Information

	Average All Completers		Range All Completers	Average Apprentice		Average Transitional		State Average All Completers	
	Average	N		Average	N	Average	N	Average	N
Final GPA	3.43	453	2.07-4.0	3.45	427	3.0	26	3.56	4258
Major GPA								3.58	1932
High School GPA	3.34	416	1.41-4.0	3.35	404	2.98	12	3.40	2240
ACT Composite	22.7	272	14-32	22.7	269			23.1	2406
ACT Reading	24.1	272	14-36	24.2	269			24.4	2212
ACT Science	22.5	249	11-34	22.4	248			22.5	2181
ACT English	23.6	272	10-35	23.7	269			24.1	2222
ACT Math	21.5	272	14-31	21.6	269			21.8	2220
SAT Cumulative	1112	12	890-1330	1112	12			1110	294
SAT Math	549	12	440-650	549	12			549	283
SAT Verbal	563	12	420-710	563	12			557	282
GRE Composite								1034	228
GRE Math								549	239
GRE Verbal								480	240
MAT Score	398	59	356-460	398	42	398	17	399	275

Apprentice and Transitional Completers

Teacher preparation program completers generally receive one of two types of initial license: Apprentice or Transitional. The Apprentice license is a full license, valid for five years, and renewable. The Transitional license is not a full teaching license; it is issued at the request of a superintendent/director of schools for a teacher who will be employed while completing licensure requirements. The license is issued for one school year at a time and may only be renewed two times for a maximum of three years. To receive either an Apprentice or Transitional license, an individual must hold a bachelor's degree from a regionally accredited university and have demonstrated competency in the subject matter for which the candidate is seeking licensure. Transitional license candidates must hold a Bachelor's degree, though the degree does not have to be conferred by the teacher training program.

Academic Credential	Completers	Most Frequent Academic Major
Bachelor's Degree & License	403	Teacher Education, Multiple Levels
Advanced Degree & License	6	Curriculum & Instruction
License Only	44	

Licensure Assessments

Candidates for a Tennessee teaching license are required by training programs to demonstrate basic academic competencies. Candidates generally fulfill this requirement through standardized test scores. The most common standardized tests utilized are the ACT/SAT or the Core Academic Skills for Educators (Core) Reading, Writing, and Math assessment. In addition, Tennessee requires all teacher candidates seeking licensure take the Praxis II Principles of Learning and Teaching (PLT) exam and specific content area exams. Tennessee determines the qualifying score necessary to pass the Core Academic Skills for Educators and Praxis II assessments. *Note: The pass rate is not provided if there were less than 5 test takers.*

Core Academic Skills for Educators	Qualifying Score	Average Score	Pass Rate
Core Reading	156	176	100%
Core Writing	162	174	100%
Core Math	150	177	100%

Principles of Learning and Teaching	Number Taken	Number Passed	Pass Rate
TTU Completers	428	424	99%
• Apprentice License Completers	411	410	100%
• Transitional License Completers	17	14	100%

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 in Year 3	Teaching 3 out of 4 Years
2009-2010	611	58.3%	64.3%	35.0%	51.0%
2010-2011	434	49.5%	37.0%	54.8%	
2011-2012	462	43.5%	54.5%		
2012-2013	453	43.3%			

Statewide Distribution of Completers

The distribution of completers from the 2012-2013 cohort across the state in the 2013-2014 school year in Tennessee public schools.



County	Teachers	County	Teachers	County	Teachers
Anderson	5	Greene	1	Rhea	6
Bedford	4	Hamilton	8	Roane	3
Bledsoe	2	Jackson	3	Robertson	2
Blount	3	Knox	18	Rutherford	7
Bradley	1	Lawrence	1	Scott	7
Cannon	1	Loudon	3	Shelby	1
Cheatham	2	Macon	1	Smith	6
Clay	2	Marion	4	Sumner	6
Coffee	3	Marshall	1	Trousdale	2
Cumberland	8	Maury	1	Unicoi	1
Davidson	5	Monroe	1	Union	1
DeKalb	9	Montgomery	2	Van Buren	1
Dickson	1	Morgan	4	Warren	10
Fentress	4	Overton	4	White	5
Franklin	4	Putnam	25	Wilson	6
Giles	1				

Tennessee Value Added Assessment System (TVAAS) Analysis

TVAAS analysis compares the effectiveness of a program's beginning completers (individuals with 1-3 years of experience) in terms of contribution to student achievement growth to other groups of teachers in the state. Analysis is based on one year estimates of t-value of teacher effects in the 2013-2014 school year.

TVAAS Statewide Teacher Comparison: The average effectiveness of beginning teachers who completed a training program at this institution as compared to the average effectiveness of teachers statewide in terms of contribution to student achievement growth.

TVAAS Program Comparison: The average effectiveness of beginning teachers who completed a program at 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.

Apprentice License Teachers

Subject	Statewide Comparison	Program Comparison	Teachers	Programs Statewide
TCAP Composite (grades 4-8)	-		264	30
○ Math	-		141	28
○ Reading/Language			145	27
○ Science			114	26
○ Social Studies		+	112	26
EOC Composite (High School)			55	28
○ Algebra I			10	9
○ Algebra II			6	7
○ Biology			5	2
○ Chemistry			5	2
○ English I			14	9
○ English II			12	7
○ English III		-	8	5
○ US History			5	6

Transitional License Teacher

Subject	Statewide Comparison	Program Comparison	Teachers	Programs Statewide
TCAP Composite (grades 4-8)			5	12
EOC Composite (High School)	-	-	12	18

- represents a statistically significant negative effect

+ represents a statistically significant positive effect

Subject	Statewide Comparison	Program Comparison	Teachers	Programs Statewide
TCAP Composite (grades 4-8)	-		269	34
○ Math	-	-	145	31
○ Reading/Language			147	31
○ Science			117	31
○ Social Studies			112	29
EOC Composite (High School)	-		67	32
○ Algebra I			13	19
○ Algebra II			10	13
○ Biology			7	10
○ Chemistry			8	8
○ English I			15	14
○ English II			13	11
○ English III			8	7
○ US History			5	8

Apprentice and Transitional License Teachers

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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 quintile. Quintiles are based upon the statewide distribution of the t-value of teacher effects in the 2013-2014 school year.

Apprentice License Teachers

Subject	Below 20 th Percentile	Statistically Significant	Above 80 th Percentile	Statistically Significant	Teachers
TCAP Composite (grades 4-8)	19.7%		13.6%	-	264
○ Math	24.1%		11.4%	-	141
○ Reading/Language	18.6%		17.2%		145
○ Science	21.1%		18.4%		114
○ Social Studies	14.3%		19.6%		112
EOC Composite (High School)	14.6%		14.6%		55
○ Algebra I	30.0%		20.0%		10
○ Algebra II	33.3%		33.3%		6
○ Biology	20.0%		0.0%		5
○ Chemistry	20.0%		0.0%		5
○ English I	21.4%		42.9%	+	14
○ English II	25.0%		16.7%		12
○ English III	25.0%		12.5%		8
○ US History	20.0%		20.0%		5

Transitional License Teachers

Subject	Below 20 th Percentile	Statistically Significant	Above 80 th Percentile	Statistically Significant	Teachers
TCAP Composite (grades 4-8)	0.0%		0.0%		5
EOC Composite (High School)	41.7%	-	8.3%		12

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Apprentice and Transitional License Teachers

Subject	Below 20 th Percentile	Statistically Significant	Above 80 th Percentile	Statistically Significant	Teachers
TCAP Composite (grades 4-8)	19.3%		13.4%	-	269
○ Math	24.1%		11.0%	-	145
○ Reading/Language	18.4%		17.0%		147
○ Science	20.5%		18.0%		117
○ Social Studies	14.3%		19.6%		112
EOC Composite (High School)	19.4%		13.4%		67
○ Algebra I	30.8%		15.4%		13
○ Algebra II	30.0%		30.0%		10
○ Biology	14.3%		0.0%		7
○ Chemistry	12.5%		0.0%		8
○ English I	26.7%		40.0%	+	15
○ English II	30.8%		15.4%		13
○ English III	25.0%		12.5%		8
○ US History	20.0%		20.0%		5

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