

2015 South Dakota Technical Institutes Accountability Report

per SDCL 13-48A to the Council on Higher Education Policy Goals, Performance, and Accountability

Executive Summary

South Dakota's four technical institutes – Lake Area Technical Institute, Mitchell Technical Institute, Southeast Technical Institute and Western Dakota Technical Institute – all offer a variety of high-quality associate of applied science degrees, diplomas and certificates. At the heart of their missions is a commitment to preparing students to be successful members in the state's workforce.

The state's technical institutes perform strongly in areas of placement and student retention. In fact, in 2015, the average retention rate for the four technical institutes was at an all-time high of 77 percent. Nationally, the average retention rate for 2-year public institutions is 59.3 percent for 2014 (IPEDS). South Dakota's calculation for retention is streamlined to count what students returned from the previous year, taking into consideration which of these original students graduated from or are still enrolled in each program. When technical institutes compare like information and use the IPEDS retention calculation, they perform favorably when compared to other two-year publics: using the IPEDS formula, South Dakota's weighted average retention rate for 2014 was 70.8 percent versus 59.3 percent in 2014 for all public, two-year colleges.

Placement rates for graduates also remain high; 98 percent of the technical institutes' *responding* 2014 graduates reported employment, continuing education or military service as post-graduation, career outcomes. South Dakota technical institute students also persist to graduation at a higher rate than the national average: 37 percent to 81 percent of SD technical school graduates (depending on institution; see table on page 2) complete degrees in 150 percent of normal time, compared to 20 percent of graduates, nationally, at public, two-year postsecondary institutions (NCES May 2015).

Salaries for South Dakota technical institute graduates, in high demand fields, have also grown substantially during the past seven years. The South Dakota Labor Market Information Center's Graduate Outcome Data Application was released to the public July 23, 2015. This application provides the public with longitudinal, career outcome data for South Dakota graduates from the state's public universities and technical institutes. The SD Division of Career & Technical Education looked at salary change and growth for graduates in high-demand fields for reported salary 2008-2014 and found salary growth more than doubled in such fields as practical nursing, medical technology and welding.

There are challenges. Tuition and fees for South Dakota Technical Institutes continue to be high when compared with those of neighboring states. According to College Board, South Dakota's tuition for public, two-year institutions is higher than its neighbors – Iowa, Nebraska, Minnesota, North Dakota and Wyoming. Not only is tuition higher, but tuition

hikes over the previous five years, in 2015 dollars, are 22 percent for South Dakota public, two-year postsecondary institutes – far steeper than any in the region. Our students in South Dakota pay a higher percentage of their educational costs than do their peers in surrounding states. According to *The Chronicle of Higher Education* College Completion 2011 data, South Dakota ranked 28th in state support for SD technical institutes. In addition, a 2014 legislative report for the Nevada legislature on the nation’s community colleges reports that South Dakota technical institute students pay 67.9% of their educational costs; only Vermont, New Hampshire and Colorado two-year, postsecondary students pay more. In contrast, North Dakota two-year, postsecondary students pay 33.6 percent of their educational costs (See:

<http://www.leg.state.nv.us/interim/77th2013/Committee/Studies/CommColleges/Other/28-January-2014/AgendaItemVI,NationalCenterforHigherEducationMcGuinness.pdf>).

Low unemployment rates also impact postsecondary enrollment at the technical institutes. An August 2015 article from *Inside Higher Ed* states that for every 1 percentage point change in the unemployment rate from year to year, community colleges can expect a 2.5 percent change (up or down) in fall full-time enrollment. To illustrate this point: In October 2015, the unemployment rate in Sioux Falls SD was 2.0 percent (SD Labor Market Information Center), down from 2.4 percent in October 2014. Coinciding with this drop in unemployment, enrollment at STI dropped from 2,404 at the fall 2014 10-day enrollment to 2,196 in fall 2015.

Challenges aside, the data provided in this report provides clear evidence of the technical institutes’ work to increase the pool of skilled and effective workers bolstering the state’s economy.

Graduation

Improvements to on-time degree completions

Two tables are included below, one for graduates by year and technical institute and one for diplomas conferred. Some ambitious students earn more than one degree at graduation.

Graduates by Year and Technical Institute

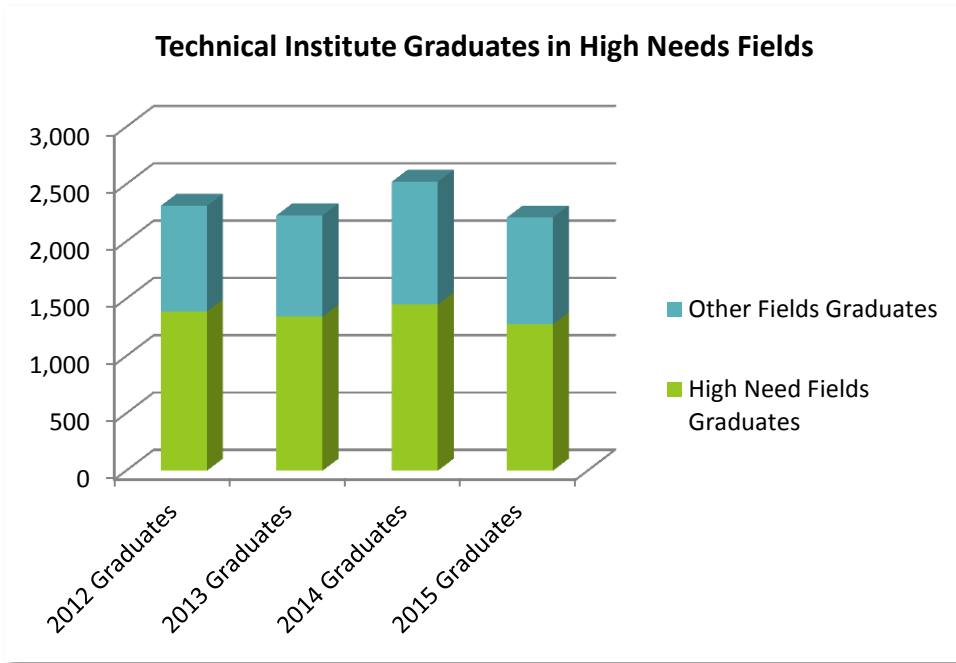
	LATI	MTI	STI	WDT	TOTAL
2012 Graduates	633	445	916	318	2,312
2013 Graduates	591	398	771	283	2,043
2014 Graduates	669	468	851	319	2,307
2015 Graduates	701	451	798	260	2,210

Source: Technical Institutes

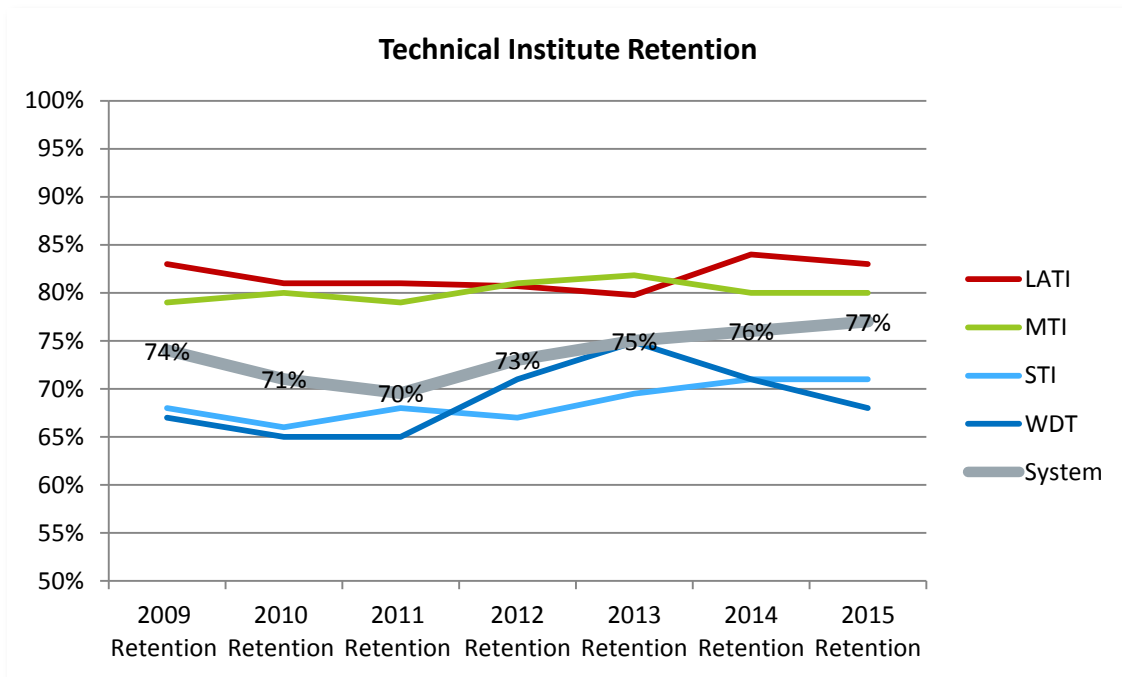
Diplomas Conferred by Year and Technical Institute

	LATI	MTI	STI	WDT	TOTAL
2012 Diplomas	633	455	916	324	2,328
2013 Diplomas	591	422	935	326	2,274
2014 Diplomas	699	478	1053	336	2,566
2015 Diplomas	701	468	988	260	2,417

Source: Appendix A Report 2015



Source: Annual Technical Appendix A reports. High Needs Fields identify graduates from the following Career Clusters: Architecture & Construction; Finance; Health Science; Information Technology; Manufacturing; Science, Technology, Engineering & Math (STEM).



Source: Annual Technical Institute Retention Reports (Fall 2009-2015)

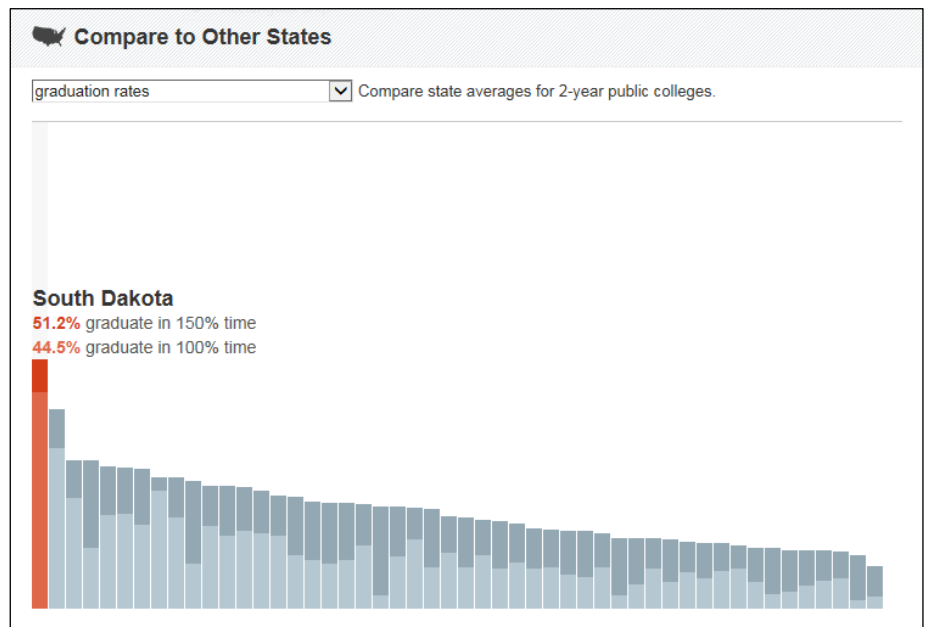
On-time Degree Completions in 100% and 150% of normal time

	2009 Cohort	Grad 100% normal time	Grad 150% normal time	2010 Cohort	Grad 100% normal time	Grad 150% normal time	2011 Cohort	Grad 100% normal time	Grad 150% normal time
LATI	648	67%	70%	736	62%	67%	715	70%	81%
MTI	343	57%	64%	367	58%	64%	320	63%	68%
STI	665	27%	38%	528	30%	37%	537	28%	38%
WDT	411	35%	41%	357	39%	44%	267	28%	37%

Source: SD Technical Institutes. Cohorts are based on full-time, first time in post-secondary, degree-seeking students.

SD Technical Institutes Compared to Other States

How does South Dakota compare to other states? Graduation data from *The Chronicle of Higher Education's* College Completion data (collegecompletion.chronicle.com) puts South Dakota's college completion rate, in 2013, above all other public, two-year colleges in the United States. NOTE: This data also includes SD tribal two-year school, Sisseton-Whapeton College.



Degrees Awarded to Low-Income Students

	LATI	MTI	STI	WDT	System
2009	229	91	224	153	697
2010	218	140	327	177	862
2011	272	215	410	215	1,112
2012	359	183	518	217	1,277
2013	326	179	396	182	1,083
2014	319	241	460	183	1,203
2015	301	220	404	156	1,081

Source: SD Technical Institutes. Low income: Students receiving Pell grants.

Degrees Awarded to American Indian Students

	LATI	MTI	STI	WDT	System
2012	12	9	4	25	50
2013	13	22	14	23	72
2014	12	17	12	35	66
2015	8	13	13	26	60

Source: SD Technical Institutes

Degrees Awarded to Nontraditional Students

	LATI	MTI	STI	WDT	System
2012	109	112	290	171	682
2013	128	91	285	131	635
2014	121	111	446	188	866
2015	77	89	369	144	679

Source: SD Technical Institutes. Nontraditional: Students age 25 and older.

Degrees Awarded to Underprepared Students

	LATI	MTI	STI	WDT	System
2012	17	9	119	76	221
2013	10	27	121	58	216
2014	24	65	133	101	223
2015	20	51	187	91	349

Source: SD Technical Institutes. Underprepared: Students requiring remedial math or English courses prior to enrollment in credit-bearing coursework. Although each technical institute has programs in place specifically aimed at improving minority success, at-risk students are defined not on any demographic, but rather upon sub-standard achievement (where attendance and academic performance are indicators). At-risk students are provided remedial education, tutoring, and one-on-one assistance opportunities.

Sources: Annual Technical Institute Placement Reports (2007-2015 Graduates), Annual Technical Institute Retention Report (Fall 2009-2014), IPEDS

Affordability

Affordability for students

Students who attend South Dakota Technical Institutes are all charged the same rate per credit hour for tuition. Additionally, state fees are collected for facilities, technology and maintenance costs. Locally, each technical institute also determines costs for student services, certifications and one-time expenses, such as laptop computers. South Dakota's technical institutes each provide information about tuition and costs differently. Lake Area Technical Institute and Mitchell Technical Institute share costs for programs by the total tuition and expenses per program. Southeast

Technical Institute and Western Dakota Technical Institute communicate program expenses by the cost per credit hour. Western Dakota Technical Institute also provides a cost sheet with total fees by program of study.

As an example of tuition and fees over time, Western Dakota Technical Institute provided the following:

	10-11	11-12	12-13	13-14	14-15	15-16
Tuition (per credit hour)	\$90.00	\$95.00	\$99.00	\$104.00	\$104.00	\$109.00
State Fees:						
Facility Fee (per credit hour)	15.00	19.00	22.00	25.00	28.00	\$30.00
Program Fee (per credit hour)	1.00	-	1.00	-	-	
Technology Fee (per credit hour)	1.00	1.00	1.00	1.00	1.00	1.00
Maintenance & Repair Fee (per credit hour)	2.00	3.00	3.00	3.00	4.00	\$5.00
Total State Fees	19.00	23.00	27.00	29.00	33.00	\$36.00
Local Fees:						
Institutional Fee (per credit hour)	44.00	50.00	50.00	50.00	50.00	\$50.00
Online course fee (per credit hour for online courses)					\$35.00	\$35.00
Total (Tuition, State Fees, Local Fees Per Credit Hr)	\$153.00	\$168.00	\$176.00	\$183.00	\$187.00*	\$195.00*

*Online fee is not included in this cost per credit hour.

For specific information about each technical institute's program expenses, see the following:

- **Lake Area Technical Institute:** <http://lakeareatech.edu/future/financialaid/tuition.html>
- **Mitchell Area Technical Institute:**
<https://www.mitchelltech.edu/media/files/Admissions/Tuition%20&%20Fees/MTI%202015-2016%20Cost%20Sheet%20Sept%202015.pdf>
- **Southeast Technical Institute:** <http://www.southeasttech.edu/admissions/whysoutheasttech/tuitionfees-1/>
- **Western Dakota Tech:** http://www.wdt.edu/wp-content/uploads/2012/12/2015-16CostSheet_final.pdf

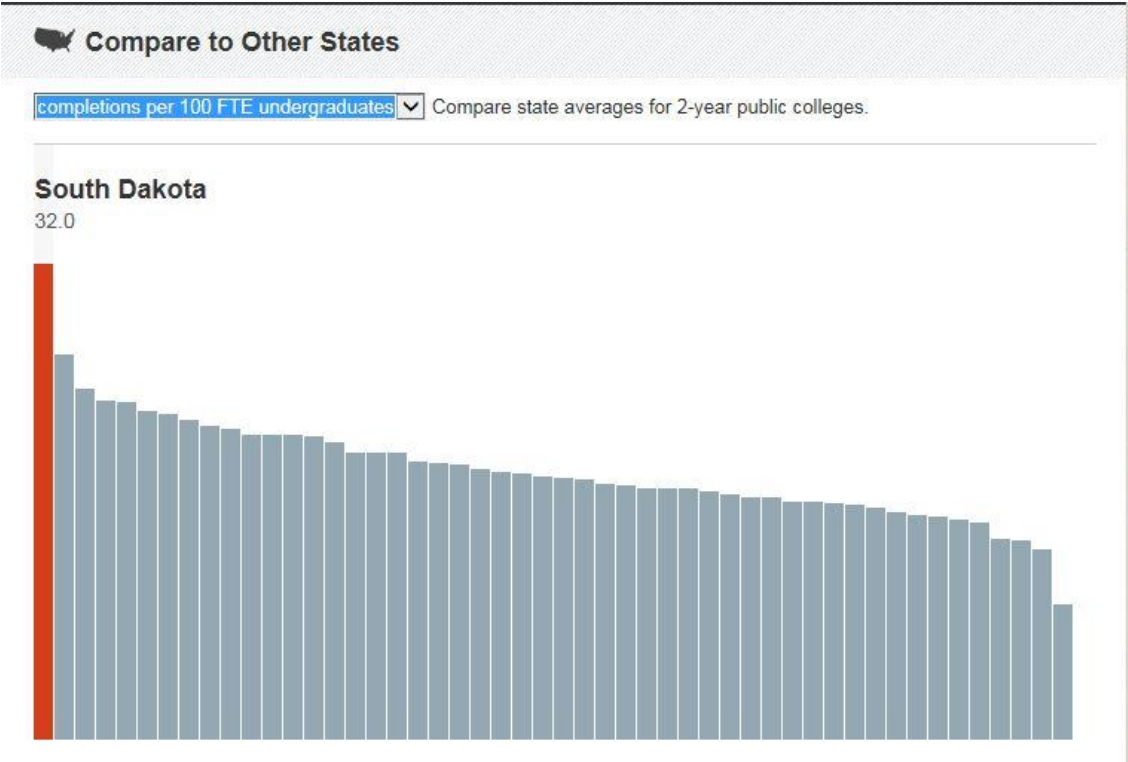
The question is often asked how South Dakota's technical institute tuition compares to public, two-year community colleges and technical institutes in neighboring states. South Dakota's tuition and fees are among the highest, when compared to those of its neighbors, perhaps making South Dakota less competitive.

	Public, Two-Year Institutions									
In 2015 Dollars	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	1-Year % Change	5-Year % Change
Iowa	\$3,810	\$4,101	\$4,282	\$4,343	\$4,428	\$4,482	\$4,531	\$4,751	5%	11%
Minnesota	\$4,950	\$5,252	\$5,407	\$5,452	\$5,593	\$5,489	\$5,391	\$5,391	0%	0%
Nebraska	\$2,430	\$2,542	\$2,640	\$2,631	\$2,709	\$2,734	\$2,768	\$2,887	4%	9%
North Dakota	\$4,163	\$4,298	\$4,247	\$4,147	\$4,134	\$4,194	\$4,199	\$4,406	5%	4%
South Dakota	\$4,274	\$4,781	\$5,019	\$5,222	\$5,696	\$5,661	\$5,714	\$6,138	7%	22%

Wyoming	\$2,189	\$2,398	\$2,433	\$2,458	\$2,542	\$2,662	\$2,711	\$2,810	4%	15%
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Source: College Board

While South Dakota technical institute tuition may be high compared to neighboring states, the state’s program completion rate is better than other public, two-year public colleges in the country, according to *The Chronicle of Higher Education College Completion* data (<http://chroni.cl/22etlgw>). See the two tables below. NOTE: This data also includes SD two-year tribal school, Sisseton-Whapeton College.



Efficiency

Completions per 100 students

The total number of undergraduate-level completions (degrees and certificate programs of at least one year in length) per 100 full-time equivalent undergraduates, based on total credit hours taken. It's the three-year average for 2011, 2012, and 2013.

32.0



Educational spending per completion

Estimated educational spending (expenses related to instruction, student services, academic support, institutional support, operations and maintenance) per academic award in 2013. Includes all certificates and degrees.

\$23,428



Source: The Chronicle of Higher Education: College Completion

Placement

The placement of graduates in jobs, military or further study in South Dakota

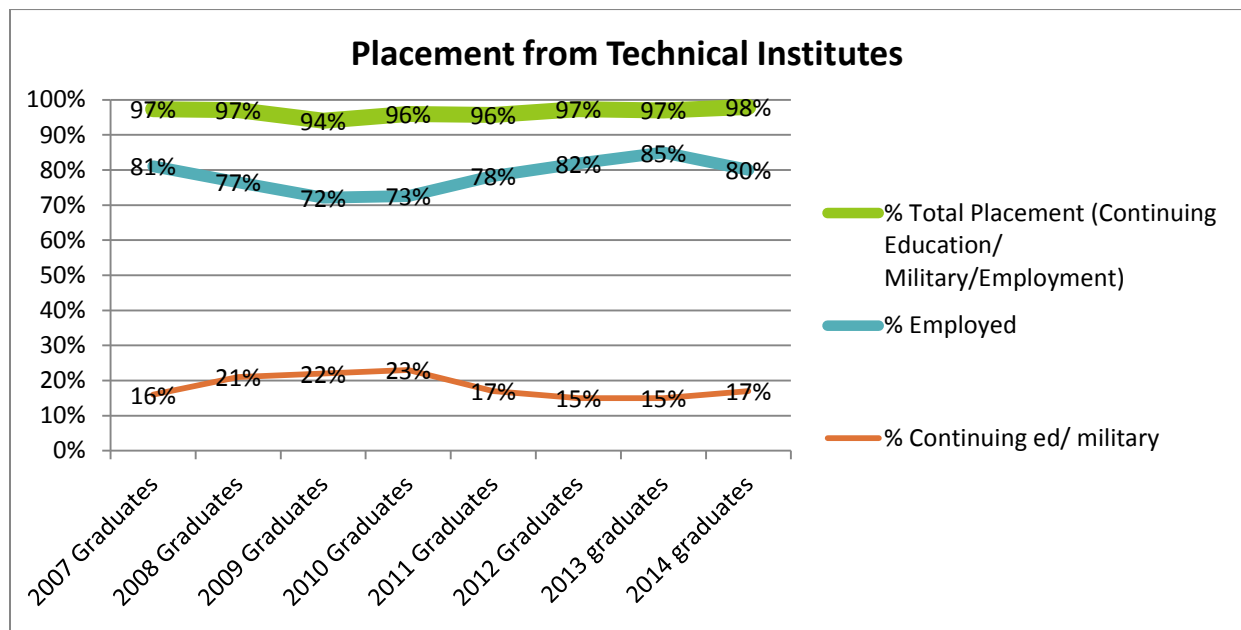
Placement Summary of Technical Institute Graduates

	Graduates	Responding	% Responding	Continuing Education / Military	Total Employed	% Total Placement	% Employed	Employed in Field	% Employed in Field	Employed in Field in SD	% Employed in Field in SD
2008 Graduates	1,766	1,443	82%	296	1,104	97%	77%	997	90%	792	72%
2009 Graduates	1,690	1,418	84%	311	1,023	94%	72%	888	87%	714	70%
2010 Graduates	1,930	1,708	88%	400	1,239	96%	73%	1,070	86%	843	68%
2011 Graduates	2,289	2,019	88%	350	1,581	96%	78%	1,348	85%	1,078	68%
2012 Graduates	2,312	2,093	91%	324	1,713	97%	82%	1,520	89%	1,289	75%
2013 Graduates	2043	1990	89%	296	1628	97%	85%	1454	89%	1394	76%
2014 Graduates	2522	2331	92%	395	1878	98%	80%	1687	90%	1414	84%

NOTE: Outcomes in the Placement Summary Table are based on responses provided by graduates, not the total number of graduates.

Placement, by Technical Institute

	2008 Placement	2009 Placement	2010 Placement	2011 Placement	2012 Placement	2013 Placement	2014 Placement
Lake Area Technical Institute	98%	96%	98%	98%	99%	98%	98%
Mitchell Technical Institute	96%	89%	95%	93%	98%	99%	99%
Southeast Technical Institute	97%	95%	96%	96%	97%	96%	96%
Western Dakota Technical Institute	97%	94%	94%	96%	96%	96%	99%



Note: Graduates are surveyed six months following graduation. Placement rates are calculated based on responses by graduates.

Source: Annual Technical Institute Placement Reports (2008-2014 Graduates)

Licensures, certifications and exit exams by third parties

Improvements in the percentages of graduates who are successful in passing licensure, certification, or exit exams administered by third parties

The following information outlines the outcomes of third-party examinations taken by technical institute graduates in high demand fields in South Dakota for both FY12 and FY13. Not all assessment results are available for FY12, but are included when available.

High demand fields are defined by the US Department of Labor as those with a projected growth rate at least 25 percent above the 6.3 percent average employment growth rate for all occupations. The SD Department of Labor and Regulation evaluates high demand employment in South Dakota by the average number of applications for every job opening in a particular occupational category. For the Build Dakota Scholarship program for the SD Technical Institutes, the following occupations were categorized as high demand by the SD DLR, based on high demand statewide for professionals in these fields:

- large animal agriculture
- automotive technicians
- building trades/construction workers
- energy technicians
- engineering technicians
- information technologists
- licensed practical nurses
- medical lab technicians
- precision manufacturing occupations
- surgical technicians and welders

Not all high demand fields have credentials or certifications that are captured by the technical institutes for its graduates in these programs.

Examination Outcomes by High Demand Field 2013

High Demand Field	Program	Institution	Certification Name	FY12	FY13
Automotive	Automotive Technician	LATI	ASE Student Certification, Engine Repair	63%	100%
Automotive	Automotive Technician	LATI	ASE Student Certification, Transmission	63%	100%
Automotive	Automotive Technician	LATI	ASE Student Certification, Engine Performance	63%	86%
Automotive	Automotive Technician	LATI	ASE Student Certification, Electrical/Electronic Systems	63%	81%
Automotive	Automotive Technician	LATI	ASE Student Certification, Heating	63%	94%
Automotive	Automotive Technician	LATI	ASE Student Certification, Suspension/Steering	63%	88%
Automotive	Automotive Technician	LATI	ASE Student Certification, Brakes	63%	88%
Automotive	Agricultural Technology	MTI	Commercial Driver's License	100%	100%
Automotive	Agricultural Technology	MTI	Commercial Applicator's License	100%	100%
Automotive	Automotive Technician	STI	ASE Student Certification Manual Drivetrain and Axle	81%	86%

Automotive	Automotive Technician	STI	ASE Student Certification Automatic Transmission and Transaxle	94%	86%
Automotive	Automotive Technology	STI	ASE Student Certification Brakes	94%	100%
Automotive	Automotive Technology	STI	ASE Student Certification Engine Repair	94%	93%
Automotive	Automotive Technology	STI	ASE Student Certification Steering and suspension	94%	86%
Automotive	Automotive Technology	STI	ASE Student Certification Engine Performance	100%	100%
Automotive	Automotive Technology	STI	ASE Student Certification Electrical/Electronic Systems	94%	100%
Automotive	Automotive Technology	STI	ASE Student Certification Heating & Air Conditioning	94%	100%
Automotive	Collision Repair & Refinish Technology	STI	ICAR MIG Steel Welding Certification	100%	100%
Building Trades	Architectural Design & Building Construction	MTI	OSHA 10 Safety	100%	100%
Building Trades	Heating & Cooling Tech	MTI	Ward Flex certified Professional	100%	100%
Building Trades	Construction Management Technology	STI	OSHA 30-hr Outreach Training	100%	100%
Energy Technician	Propane & Natural Gas	MTI	CTEP Basic Principles & Practices	100%	100%
Energy Technician	Wind Turbine Technology	MTI	Certified Composite Technician		17%
Energy Technician	Wind Turbine Technology	MTI	Wind Energy Competent Rescuer	100%	100%
Engineering Technician	Civil Engineering Technology/Land Surveying*	STI	Fundamentals of Surveying (FS)	60%	67%
Information Technology	Computer Information Services	LATI	A+ certification & CCNA	71%	100%
Information Technology	Information Systems Technology	MTI	CompTIA A+ certification	78%	89%
Information Technology	Information Systems Technology	MTI	Cisco Certified Entry Networking Technician		100%
Licensed Practical Nursing	Practical Nursing	LATI	National Council of State Boards of Nursing – practical nursing license	96%	98.6%
Licensed Practical Nursing	Licensed Practical Nursing	STI	NCLEX-PN	100%	100%
Licensed Practical Nursing	Registered Nurse	STI	NCLEX-RN		97%
Licensed Practical Nursing	Practical Nursing	WDT	NCLEX-PN		88.57%
Medical Lab Technician	Medical Laboratory Technician	LATI	BOC (ASCP)	92%	86%
Medical Lab Technician	Medical Laboratory Technology	MTI	Board of Registry – American Society for Clinical Pathology	67%	63%
Surgical Tech	Surgical Technology	STI	National Certification Exam for Surgical Technology	71%	90%
Surgical Tech	Surgical Technology	WDT	National Certification Exam for Surgical Technology	53%	75%
Welding	Welding	STI	AWS Certification FCAW 3G		100%

Welding	Welding	STI	AWS Certification FCAW All	100%
Welding	Welding	STI	AWS Certification GMAW 1G	100%
Welding	Welding	STI	AWS Certification GMAW 2G	100%
Welding	Welding	STI	AWS Certification GTAW 1G	100%
Welding	Welding	STI	AWS Certification GTAW 2G	100%
Welding	Welding	STI	AWS Certification GTAW 3G	100%
Welding	Welding	STI	AWS Certification GTAW All	100%
Welding	Welding	STI	AWS Certification SMAW 3G	100%
Welding	Welding	STI	AWS Certification SMAW All	100%

Appendix 1: All third-party exit, certification and licensure exams at SD Technical Institutes

The following table lists the various third party exit, certification and licensure exams which align to the named programs. In some cases, the technical institute makes them available to students or requires them as part of the program. In other cases, students access the exams following program completion or out of their own interest. Monitoring placement is more useful in assuring that program quality does not suffer in an attempt to increase graduate production. Monitoring certification and third-party exit exams is difficult. In only some cases do the technical institutes receive students' scores directly from third party assessment providers; most results are reported to the institution by students. Furthermore, not all programs have relevant exams available as a measure of technical skill and knowledge. The best measure of academic program quality is placement in field.

Third-party certification and licensure exam results for FY13 for all SD technical institute programs are included with this report in a separate attachment (see 2015 Report – Licensure Certification Data 2013 Grads).

	CIP#	Program	Career Cluster	Certification(s)/ Credential(s)
LATI	01.0101	Agriculture Business (AAS)	Agriculture, Food & Natural Resources	AED, OSHA Safety, Students have the options to obtain several certifications but they are not program requirements
LATI	01.0204	Agricultural Aviation (AAS)	Agriculture, Food & Natural Resources	AED, OSHA, Federal Aviation Administration (FAA) Private Pilot; FAA Instrument Pilot; FAA Commercial Pilot; FAA Multi-Engine Private; Other Logbook Endorsements (Tailwheel airplane, complex airplane, high performance airplane); Commercial Pesticide License
LATI	47.0604	Automotive Technology (AAS)	Transportation, Distribution & Logistics	AED, OSHA Safety, ASE Certifications
LATI	47.0608	Aviation Maintenance (AAS/Dipl)	Transportation, Distribution & Logistics	AED, OSHA Safety, FAA Airframe/Powerplant certificate. Students can still complete the program and receive a Diploma without taking the required oral and practical test for a certificate.
LATI	52.0803	Banking/Financial Services (AAS)	Business, Management & Administration	AED, OSHA Safety
LATI	46.0201	Carpentry (AAS)	Business, Management & Administration	AED, OSHA Safety
LATI	11.0201	Computer/Information Systems (AAS)	Information Technology	A+ and CISCO Accreditations

LATI	47.0603	Custom Painting & Fabrication Technology	Transportation, Distribution & Logistics	AED, OSHA Safety
LATI	12.0403	Cosmetology (Dipl)	Human Services	AED, OSHA Safety
LATI	51.0601	Dental Assisting (AAS/Dipl)	Human Services	AED, OSHA Safety, Student Certification in Dental Radiography, Expanded Duties and Administration of Nitrous Oxide Analgesia Administration for South Dakota State Board of Dentistry. CPR is also required.
LATI	47.0605	Diesel Technology (AAS)	Transportation, Distribution & Logistics	AED, OSHA Safety, MACS (Mobile Air Conditioning Society) Certification. At least one ASE Certification test
LATI	47.0101	Electronic Technology (AAS)	Information Technology	AED, OSHA Safety, Optional CET (Certified Electronics Technician) - Associate from ETA or FCC license.
LATI	15.0507	Energy Technology (AAS)	Manufacturing	AED, OSHA Safety, NCER Apprentice qualified/certificate
LATI	15.0613	Energy Operations (AAS)	Manufacturing	AED, OSHA Safety
LATI	41.0101	Environmental Technology (dipl)	Agriculture, Food & Natural Resources	AED, OSHA Safety
LATI	41.0101	Environmental Technology (AAS)	Agriculture, Food & Natural Resources	AED, OSHA Safety
LATI	44.0000	Human Service Technician (dipl)	Human Services	AED, OSHA Safety
LATI	44.0000	Human Service Technician (AAS)	Human Services	AED, OSHA Safety
LATI	47.0615	High Performance Engine Machining (AAS/Diploma)	Transportation, Distribution & Logistics	AED, OSHA Safety
LATI	48.0501	Precision Machining (AAS/Dipl)	Manufacturing	AED, OSHA Safety
LATI	08.0708	Business Associate/Entrepreneurship (AAS)	Marketing	AED, OSHA Safety, SHRM (option)
LATI	51.0801	Medical Assisting (AAS/Dipl)	Health Science	AED, OSHA Safety, Students certified by: American Association of Medical Assistants (AAMA) American Red Cross (for CPR)
LATI	43.0107	Law & Public Safety	Law, Public Safety, Corrections & Security	AED, OSHA Safety, Law Enforcement Officer and Training Commission Reciprocity Testing Privileges
LATI	51.0904	Medical/Fire Rescue (AAS)	Law, Public Safety, Corrections & Security	AED, OSHA Safety, EMT-B, FireFighter 1 & 2 certificates
LATI	51.1004	Medical Laboratory Technology (AAS)	Health Science	AED, OSHA Safety, Post Graduation American Society for Clinical Pathology: Medical Laboratory Technician certification or the National Credentialing Agency for Medical Laboratory Personnel: Clinical Laboratory Technician certification

LATI	51.0803	Occupational Therapy Assistant (AAS)	Health Science	AED, OSHA Safety, Accreditation Council for Occupational Therapy Education (ACOTE) degree required to sit for license. 91% pass rate
LATI	51.0806	Physical Therapist Assistant (AAS)	Health Science	AED, OSHA Safety, Commission on Accreditation in Physical Therapy Education (CAPTE) accredited program from which a degree is required to sit for license - 85% pass rate
LATI	51.1613	Practical Nursing (Dipl)	Health Science	AED, OSHA Safety, National Council of State Boards of Nursing practical nursing license - 97.5% pass rate
LATI	15.0403	Robotics	Manufacturing	AED, OSHA Safety, Optional CET (Certified Electronics Technician) - Associate from ETA or FCC license.
LATI	48.0508	Welding Technology (Dipl)	Manufacturing	AED, OSHA Safety, AWS certification
MTI	52.0305	Accounting/Business Management (AAS)	Business, Management & Administration	
MTI	01.0301	Agricultural Technology (AAS)	Agriculture, Food & Natural Resources	National Career Readiness Certificate, First Aid/CPR, Commercial Pesticide Applicators License, Beef Quality Assurance, Master of Beef Advocacy, Commercial Driver License
MTI	46.0415	Architectural Design & Building Construction (AAS)	Architecture & Construction	National Career Readiness Certificate, OSHA 10, First Aid/CPR, Class VII Forklift, Energy Star
MTI	15.0406	Automation Controls/SCADA (AAS)	Science, Technology, Engineering & Mathematics	OSHA 10
MTI	12.0503	Culinary Arts (AAS/Dipl)	Hospitality & Tourism	National Restaurant Association ServSafe (6 certifications), NRA Nutrition, NRA Customer Service, NRA Food Costing; NRA Restaurant Management, NRA Food Service Supervision, First Aid/CPR
MTI	51.3103	Dietary Management (Certificate)	Health Science	Certified Dietary Manager - Association of Nutrition & Foodservice Professionals
MTI	46.0302	Electrical Const. & Maintenance (AAS/Dipl)	Architecture & Construction	National Career Readiness Certificate, OSHA 10, First Aid/CPR, S.D. Apprentice Electrician's License, 2000 hours towards SD Journeyman Electrician's License
MTI	01.0104	Farm & Ranch Business Management (Certificate)	Agriculture, Food & Natural Resources	
MTI	01.0205	Farm Power Technology (AAS)	Agriculture, Food & Natural Resources	
MTI	47.0201	Heating & Cooling Technology (AAS/Dipl)	Architecture & Construction	National Career Readiness Certificate, OSHA 10, Gas Pipe Certification, Freon Certification, WARDFLEX Certified Professional, ESCO EPA Section 608 certification, ESCO Universal R-410 A Safety & Handling, ESCO EPA Section 609 Motor Vehicle A/C certification, HVAC Excellence Basic Refrigeration Recovery
MTI	15.0399	Industrial Controls (Certificate)	Science, Technology, Engineering & Mathematics	

MTI	46.0401	Industrial Maintenance Technology (Dipl)	Architecture & Construction	National Career Readiness Certificate, OSHA 10, LEED Green Association
MTI	11.1001	Information Systems Technology (AAS/Dipl)	Information Technology	CompTIA A+ Certification
MTI	51.0801	Medical Assistant (AAS)	Health Science	First Aid/CPR, Bloodborne/Airborne Pathogen Certification, HIPAA Certification, Certified Medical Assistant - American Association of Medical Assistants
MTI	51.1004	Medical Laboratory Technology (AAS)	Health Science	First Aid/CPR, American Society for Clinical Pathology Board of Registry
MTI	51.0710	Medical Office Professional (AAS)	Health Science	First Aid/CPR
MTI	52.0407	Office Technology Specialist (AAS/Dipl)	Information Technology	
MTI	46.0303	Powerline Construction & Maintenance (AAS/Dipl)	Architecture & Construction	Commercial Driver License, OSHA 10, First Aid/CPR
MTI	47.0606	Power Sports Technology (AAS/Dipl)	Transportation, Distribution & Logistics	OSHA 10, Motorcycle Operator's Endorsement, Stihl Bronze-Level Certification, Motorcycle Safety Training, IMBAA Entry-Level Certification, Arctic Cat Catmaster Level 1 Certification
MTI	45.0702	Precision Technology Specialist (AAS)	Science, Technology, Engineering & Mathematics	First Aid/CPR
MTI	46.9999	Propane & Natural Gas Tech (Dipl)	Architecture & Construction	Commercial Driver License, OSHA 10, First Aid/CPR, CTEP (Propane Education and Research Council) certification in Basic Principles & Practices, Vapor Distribution, Appliance Safety, Bobtail Delivery, Appliance Installation
MTI	51.0907	Radiation Therapy (AAS)	Health Science	First Aid/CPR, HIPAA Certification, American Registry of Radiologic Technologists
MTI	51.0911	Radiologic Technology (AAS)	Health Science	First Aid/CPR, Bloodborne/Airborne Pathogen Certification, HIPAA Certification, American Registry of Radiologic Technologists
MTI	09.0799	Satellite Communications (AAS)	Information Technology	OSHA 10
MTI	51.0816	Speech-Language Pathology Assistant	Health Science	First Aid/CPR
MTI	15.0305	Telecommunications (AAS/Dipl)	Information Technology	
MTI	15.0614	Welding & Manufacturing Technology (AAS/Dipl)	Manufacturing	OSHA 10, AWS certification
MTI	15.0503	Wind Turbine Technology (AAS/Dipl)	Architecture & Construction	OSHA 10, First Aid/CPR
STI	52.0301	Accounting (AAS)	Business Management & Administration	
STI	52.0302	Accounting Clerk (Dipl)	Business Management & Administration	
STI	47.0603	Collision Repair (AAS/Dipl)	Transportation Distribution & Logistics	NATEF
STI	47.0604	Automotive Technician (AAS/Dipl)	Transportation Distribution & Logistics	NATEF, ASE Student Certifications in Manual Drivetrain & Axle, Automatic Transmission &

				Transaxle, Brakes, Engine Repair, Steering & Suspension; Engine Performance; Electrical/Electronic Systems, Heating & Air Conditioning.
STI	52.0803	Banking/Financial Services (AAS)	Business Management & Administration	
STI	15.0401	Biomedical Equip (AAS)	Health Science	
STI	52.0101	Business Administration (AAS)	Business Management & Administration	
STI	51.0901	Cardiovascular (AAS)	Health Science	CAAHEP - Joint Review Committee on Cardiovascular Technology, Registered Diagnostic Cardiac Sonographer
STI	51.0910	Diagnostic Med Sonography- Abdominal/OB/G	Health Science	CAAHEP - Joint Review Committee on Cardiovascular Technology, American Registry of Diagnostic Medical Sonographers (ARDMS) Physics
STI	11.0501	CIS/Networking (AAS)	Information Technology	
STI	11.9999	CIS/Computer & Infor. Services, Other (Dipl)	Information Technology	
STI	48.0103	Civil Engineering (AAS)	Science, Technology, Engineering & Mathematics	
STI	15.0603	Computer Aided Drafting	Architecture & Construction	
STI	48.0102	Computer Aided Drafting - Architectural	Architecture & Construction	
STI	47.0104	Computer Network Technician (AAS)	Information Technology	
STI	11.0201	Computer/Information Systems (AAS)	Information Technology	
STI	47.0605	Diesel Technology (AAS)	Transportation, Distribution & Logistics	NATEF
STI	47.0101	Electronic Technology (AAS/Dipl)	Information Technology	
STI	51.0903	Electroneurodiagnostic Technology	Health Science	CAAHEP – Committee on Accreditation for Education in Neurodiagnostic Technology (CoA-NDT)
STI	48.0212	Graphic Communications (AAS)	Arts, A/V Technology & Communication	
STI	51.0703	Health Unit Coordinator (Dipl)	Health Science	
STI	47.0201	Heating/Ventilation/AC/Refri g (AAS/Dipl)	Architecture & Construction	HVAC Excellence
STI	47.0201	Residential Heating & Cooling	Architecture & Construction	HVAC Excellence
STI	01.0601	Horticulture (AAS)	Agriculture, Food & Natural Resources	Commercial pesticide applicators certification general test
STI	15.0304	Laser/Electro-Optics (AAS)	Manufacturing	
STI	43.0107	Law Enforcement (AAS)	Law, Public Safety, Corrections & Security	Law Enforcement Officer and Training Commission Reciprocity Testing Privileges
STI	51.1613	Licensed Practical Nursing (Dipl)	Health Science	SD Board of Nursing
STI	48.0501	Machine Tool Technology (AAS)	Manufacturing	NIMS

STI	48.0503	Machine Tool Operators (Dipl)	Manufacturing	NIMS
STI	08.0708	Marketing (AAS)	Marketing	
STI	51.0708	Medical Transcription (AAS)	Health Science	
STI	51.0905	Nuclear Medicine (AAS)	Health Science	Joint Review Commission on Nuclear Medicine Technology
STI	52.0408	Office Systems (Dipl)	Business Management & Administration	
STI	51.0805	Pharmacy Technician (Dipl) - STI	Health Science	American Society of Health System Pharmacists (ASHP)
STI	51.1099	Phlebotomy (Dipl)	Health Science	American Society for Clinical Pathology certification
STI	51.0909	Surgical Tech (Dipl)	Health Science	Accreditation Review Committee of Surgical Technologists
STI	01.0607	Turf Management (AAS)	Agriculture, Food & Natural Resources	Commercial pesticide applicators certification turf and ornamental
WDT	52.0301	Accounting (AAS)	Business Management & Administration	
WDT	52.0204	Administrative Services	Business Management & Administration	
WDT	01.0101	Agriculture Resource Tech. (AAS/Dipl)	Agriculture, Food & Natural Resources	
WDT	51.0000	Allied Health (AAS)	Health Science	
WDT	52.1401	Business Management & Marketing (AAS)	Business Management & Administration	
WDT	48.0703	Cabinetmaking (Dipl) Inactive	Architecture & Construction	
WDT	46.0201	Carpentry (AAS)	Architecture & Construction	
WDT	47.0603	Collision Repair (AAS)	Transportation, Distribution & Logistics	ASE certifications
WDT	11.0901	Computer Networking Specialist (AAS)	Information Technology	Cisco Certified Network Professional
WDT	11.0299	Computer Network Programming (option in CNS)	Information Technology	
WDT	48.0101		Architecture & Construction	
WDT	51.2399	Disability Service Technician (Dipl)	Human Services	
WDT	15.0402	Electronic and Computer Tech (AAS)	Information Technology	Computer Service Technician, Network Service Technician
WDT	15.9999	Field Engineering Technician - WDT New 2006	Science, Technology, Engineering & Mathematics	HAXWOPER for FFT118, Troxler Nuclear Density Cert, ACI Certification, Septic System Inspection Cert
WDT	43.0203	Fire Science (AAS)	Law, Public Safety, Corrections & Security	Wildland Fire, Structure Firefighter
WDT	51.0703	Health Unit Coordinator (Dipl)	Health Science	
WDT	43.0107	Law Enforcement	Law, Public Safety, Corrections & Security	Reciprocity Testing Exam
WDT	51.0716	Medical Administrative Services (Dipl)	Health Science	
WDT	51.0708	Medical Transcription (AAS)	Health Science	Registered Medical Transcriptionist
WDT	51.0904	Paramedic	Health Science	Advanced Cardiac Life Support, Pediatric Advanced

				Life Support, National Registry of Medical Technicians
WDT	51.081	Pharmacy Technician (Dipl)	Health Science	Pharmacy Technician Certification
WDT	51.1099	Phlebotomy /Laboratory Assistant (Dipl)	Health Science	American Society for Clinical Pathology certification
WDT	51.1613	Practical Nursing (Dipl)	Health Science	State Board of Nursing
WDT	51.0909	Surgical Technology (Dipl)	Health Science	National Board of Surgical Technology and Surgical Assisting exam
WDT		Transportation Technology	Transportation, Distribution & Logistics	Yes (ASE)
WDT	48.0508	Welding Manufacturing Technology (Dipl)	Manufacturing	AWS Verification
WDT	48.0599	Welding Manufacturing Technology (AAS)	Manufacturing	AWS Verification

Appendix 2: Detailed Certification & Licensure Report

This 2015 report shares third-party licensure/certification results for South Dakota Technical Institutes for 2013.