

MIDLANDS TECHNICAL COLLEGE

STUDENT ACHIEVEMENT DATA



Midlands Technical College’s (MTC) mission is to provide “accessible, affordable, quality education that prepares a diverse student population to succeed in the job market, to transfer to four-year colleges and universities, and to achieve their professional and personal goals. The college equitably provides higher education opportunities that stimulate the local economy by generating a world-class workforce and enhancing the social vitality of the community.”

In conjunction with the South Carolina Technical College System (SCTCS) and Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), MTC has identified eight areas to measure student achievement. These student achievement criteria are appropriate to open admission 2-year institutions, provide data to evaluate MTC’s progress toward achieving its mission, and serve as system level performance measures that determine the appropriation of new state dollars. These student achievement areas were identified from MTC’s internal critical success factors and measurement standards established by the South Carolina Commission on Higher Education (CHE). Achievement data include:

STUDENT ACHIEVEMENT CRITERIA	THRESHOLD
Race and Gender Parity	Race +/- 10% of service area population Gender +/- 10% of service area population
Graduate Placement Rate	80% graduate placement rate +/- 5%
Fall to Spring Persistence Rates	71% (+- 5%) overall Fall to Spring persistence rate from the National Community College Benchmarking Project (NCCBP) report
Licensure Examination Pass Rate	80% overall pass rate on first time licensure exams +/- 5%
Student Success Rate	90% of CHE success rate - range 30% to 45%
Graduate Production Rate	Greater than or equal to 20%
Course Completion	Grades of D, F, W, WF, U, NC, I and rate will not exceed 30% (+/- 3%)
Student Completion Indicator Rate	+/- 5% of the National Student Clearinghouse (NSCH) 6-year student completion rate for two-year public institutions

RACE AND GENDER PARITY

MTC's goal is to align enrollment with the population demographics from the three counties that make up the college's service area. Thresholds have been established to allow students to define their race and gender individually and not an attempt to define race and gender biologically, anthropologically, or genetically. The success criteria for race is that the student body at MTC will be within ten percent parity of the race composition of the MTC service area. The success criteria for gender is that the student body at MTC will be within 10 percent parity of the gender composition of the MTC service area. Since the Fall of 2014, the percentage of undergraduate students by race and gender has fallen within our established thresholds. See Table 1 and 2.

Table 1. Undergraduate students by race

MIDLANDS TECHNICAL COLLEGE - FALL UNDERGRADUATE STUDENTS BY RACE					
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Black or African American	36.1%	36.3%	34.7%	35.2%	34.7%
White	52.0%	50.9%	48.9%	46.7%	45.3%
Other	11.9%	12.8%	16.4%	18.1%	20.0%
Source: CERS Opening Data					
MTC SERVICE AREA POPLUATION BY RACE					
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Black or African American	34.1%	34.2%	34.4%	34.4%	34.6%
White	56.5%	56.1%	55.8%	55.4%	55.1%
Other	9.4%	9.7%	9.8%	10.2%	10.3%
Source: Economic Modeling Specialist International (EMSI)					

Table 2. Undergraduate students by gender

MIDLANDS TECHNICAL COLLEGE - FALL UNDERGRADUATE STUDENTS BY GENDER					
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Female	59.4%	59.4%	60.4%	60.5%	60.3%
Male	40.6%	40.6%	39.6%	39.5%	39.7%
Source: CERS Opening Data					
MTC SERVICE AREA POPLUATION BY GENDER					
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Female	51.4%	51.4%	51.4%	51.5%	51.6%
Male	48.6%	48.6%	48.6%	48.5%	48.4%
Source: Economic Modeling Specialist International (EMSI)					

GRADUATE PLACEMENT RATES

Graduate placement rates reflect the success of graduates with respect to employment or continuing their education. MTC reports job placement rates of graduates of all degree, diploma and certificate programs annually to SCTCS. The MTC graduate placement rate criteria (80%) and threshold (+/5%) is aligned with SCTCS Program Evaluation Report formulas and requirements. Over the past five years, MTC has successfully met or exceeded the +/-5% success criteria threshold.

Table 3. Graduate Placement Rates

MIDLANDS TECHNICAL COLLEGE - GRADUATE PLACEMENT RATES					
Year	Graduates	On Job	In School	Total Placed	% Placed
2013 - 2014	2,004	1,322	286	1,608	80.2%
2014 - 2015	1,932	1,239	488	1,727	89.4%
2015 - 2016	1,931	1,401	315	1,716	88.9%
2016 - 2017	2,311	1,625	448	2,073	89.7%
2017 - 2018	2,096	1,421	463	1,884	89.9%

Source: South Carolina Technical College System (SCTCS) program evaluation exhibits
 Year: Academic year, Fall, Spring and Summer.
 Note: Total Placed is total graduates reporting they are either on job (working in their field) or in school.

FALL TO SPRING PERSISTENCE RATES

Persistence rates are commonly used student progress measures for both two-year and four-year institutions. As a means of assessing system-wide persistence rates, SCTCS has adopted the National Community College Benchmark Project (NCCBP) definition as a means to calculate credit students' next-term persistence rates. MTC has established the Fall to Spring persistence rate criteria of 71% and threshold of +/-5% to align with SCTCS formulas and requirements. Since 2014, MTC has met the criteria and is within the established threshold.

Table 4. Fall to Spring Persistence Rates

MIDLANDS TECHNICAL COLLEGE - FALL TO SPRING PERSISTENCE RATES					
Term	Fall Cohort	Fall Graduates	Adjusted Cohort	Spring Retention	
				N	%
Fall 2014	10,892	496	10,396	7,480	72.0%
Fall 2015	10,356	468	9,888	7,157	72.4%
Fall 2016	10,074	539	9,535	6,812	71.4%
Fall 2017	9,932	489	9,443	6,494	68.8%
Fall 2018	9,243	479	8,764	5,904	67.4%

Source: Fall data was derived from CERS closing extract. Spring data was derived from CERS opening extract. Graduate data was derived from the CERS graduate extract.

LICENSURE EXAMINATION PASS RATES

The licensure examination pass rates are used by all programs whose graduates are required to successfully pass a licensure examination. MTC has established a licensure examination pass rate criteria of 80%, and threshold of +/-5% on first-time licensure exam test takers across all programs to align with SCTCS formulas and requirement.

Since 2014 - 2015, MTC's licensure examination pass rate has averaged above 85% across all programs. MTC faculty and program coordinators continue to closely monitor the licensure examination pass rates to ensure students are receiving the instruction necessary to pass their respective examinations. Faculty use the licensure examination results to assist in understanding the strengths and weaknesses of the curriculum and make adjustments where needed.

Table 5. Licensure Examination Pass Rates

MIDLANDS TECHNICAL COLLEGE - LICENSURE EXAMINATION PASS RATES					
Exam	2014 - 2015 Examinees Passing Rate	2015 - 2016 Examinees Passing Rate	2016 - 2017 Examinees Passing Rate	2017 - 2018 Examinees Passing Rate	2018 - 2019 Examinees Passing Rate
National Council Licensure Exam - Practical Nurse	100.00%	100.00%	93.33%	93.33%	100.00%
National Council Licensure Exam - Registered Nurse	92.80%	90.27%	87.31%	87.90%	85.45%
National Board For Dental Hygiene Exam	100.00%	100.00%	100.00%	100.00%	90.00%
Dental Hygiene Southern Regional Board	87.50%	100.00%	100.00%	-	-
Central Regional Dental Testing Services Exam	-	-	-	89.47%	75.00%
Registered Health Information Technician	100.00%	100.00%	95.00%	100.00%	90.00%
Medical Laboratory Technician, ASCP	100.00%	100.00%	100.00%	100.00%	100.00%
American Association of Medical Assistant Certification Exam (AAMA)	100.00%	100.00%	92.31%	100.00%	87.50%
Nuclear Medicine Technology, ARRT	100.00%	100.00%	100.00%	100.00%	100.00%
Nuclear Medicine Technology Certification Board Exam (NMTCB)	100.00%	100.00%	100.00%	100.00%	100.00%
National Physical Therapist Assistant Licensing Exam	90.00%	94.12%	100.00%	94.74%	94.12%
Radiography Exam, ARRT	100.00%	100.00%	100.00%	91.67%	100.00%
Respiratory Therapist Multiple Choice Exam (Certified Respiratory Therapist Level - CRT)	100.00%	100.00%	100.00%	100.00%	100.00%
Respiratory Therapist Multiple Choice Exam (Registered Respiratory Therapist Level - RRT)	100.00%	100.00%	100.00%	100.00%	100.00%
Respiratory Therapist Clinical Simulation Exam	100.00%	92.86%	100.00%	100.00%	100.00%
Surgical Technologist National Certifying Exam	100.00%	100.00%	100.00%	100.00%	92.86%
College Total	93.50%	95.62%	92.64%	92.80%	90.06%

STUDENT SUCCESS RATE

The student success rate is a cohort-based measurement of graduation, transfer to another post-secondary institution, or continuing enrollment after three years from first-time enrollment. The cohort includes all first-time freshman: those who have never attended a college who enrolled in a degree, diploma, or certificate program in a given fall semester. The student success rate criteria of 90% and threshold range (30% to 45%) are aligned with CHE formulas and requirements. The MTC student success rate percentage should fall between the CHE established success rates of 30% to 45%. Since Fall 2012, MTC has fallen within or exceeded the established CHE thresholds. The college continues to focus on increasing student graduation rates through the most recent 2018-2021 MTC Strategic Plan, developing an initiative to increase the graduation rates of first-time, full-time students.

Table 6. Student Success Rates

MIDLANDS TECHNICAL COLLEGE - STUDENT SUCCESS RATES						
Term	Cohort	Graduates (150%)	Transfers (150%)	Enrolled Fall	Student Success	
					N	%
Fall 2012	2,303	158	597	355	1,110	48.2%
Fall 2013	2,361	135	643	358	1,136	48.1%
Fall 2014	2,508	238	676	288	1,202	47.9%
Fall 2015	2,354	270	694	253	1,217	51.7%
Fall 2016	2,345	281	732	226	1,239	52.8%

Source: CERS opening extract data file, first-time freshman, certificate, degree or diploma seeking. CERS closing and graduate data file. Transfer data from National Student Clearinghouse.

GRADUATE PRODUCTION RATE

The graduate production rate is a measure that reflects MTC's fulfillment of its workforce development mission. The rate includes all awards for degrees, diplomas, and certificates and removes time bound and demographic restrictions. It measures the unduplicated headcount of graduates and expresses it as a percentage or rate. MTC has established a graduate production success criteria rate of greater than or equal to 20% to align with SCTCS formulas and requirements. Since 2014, MTC has successfully met the established criteria.

Table 7. Graduate Production Rates

MIDLANDS TECHNICAL COLLEGE - GRADUATE PRODUCTION RATE				
Year	Fall Credit Hours	Fall FTE	Annual Graduates	Graduate Production Rate
2014	112,835	7,522	1,657	22.0%
2015	109,313	7,288	1,946	26.7%
2016	107,242	7,150	1,780	24.9%
2017	100,588	6,706	1,795	26.8%
2018	96,141	6,409	1,702	26.6%

Source: CERS opening extract. CERS graduate extract Fall, Spring and Summer.

COURSE COMPLETION PERCENTAGE

The course completion percentage calculates the percentage of MTC students who successfully complete their courses. Successful completion is defined as receiving a grade A, B, C, or S (satisfactory). MTC has defined unsuccessful completion as receiving grades of D, F, W (withdrawal), WF (withdrawal/failure), U (Unsatisfactory), NC, or I (Incomplete). MTC has established the course completion success criteria as 70% and threshold of +/- 5% to align with internal critical success factors. Since 2014, MTC has successfully met the established criteria.

Table 8. Course Completion Percentages

MIDLANDS TECHNICAL COLLEGE - COURSE COMPLETION PERCENTAGE			
Term	Term Grades Total	Completion Percentages	
		Non Completers	% Completed
Fall 2014	31,835	9,597	69.9%
Fall 2015	30,877	9,184	70.3%
Fall 2016	30,200	8,917	70.5%
Fall 2017	28,692	8,633	69.9%
Fall 2018	27,389	8,343	69.5%

Source: CERS closing extract and CERS grades extract. Excludes developmental courses. Completion grades include A, B, C, and S. Non-completion grades include D, F, W, WF, U, NC, and I.

STUDENT COMPLETION INDICATOR RATE

In Spring 2018, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) asked member institutions to select a key student completion indicator that most accurately represents MTC's student completion pattern. MTC selected the National Student Clearinghouse (NSCH) total 6-year completion rate. The NSCH total 6-year completion rate is made up of first-time degree-seeking students, of any age, who began their postsecondary education in Fall 2010, Fall 2011, or Fall 2012. Each cohort is followed through May 31st of the sixth academic year and highlights the six-year student outcome, including degree and certificate completion and continuing enrollment (persistence).

MTC has established the key student completion indicator rate of +/-5% of the NSCH overall 6-year completion rate for two-year public institutions. Since Fall 2010, the MTC key student completion indicator has fallen within the college's established thresholds.

Table 9. NSCH Key Student Completion Indicator Rate

MIDLANDS TECHNICAL COLLEGE - STUDENT COMPLETION INDICATOR RATE		
Cohort	Midlands Technical College Student Completion Indicator Rate	2-Year Public Institutions Student Completion Indicator Rate
Fall 2010	35.25%	39.29%
Fall 2011	34.41%	37.53%
Fall 2012	35.87%	39.22%

Source: National Student Clearinghouse Research Center, StudentTracker Postsecondary Completions Institutional Benchmark Report for Fall 2010, Fall 2011 and Fall 2012