CAREER AND TECHNICAL EDUCATION

MONITORING REPORT 2019-20

Program Coordinator: Dave Baker
Evaluator: Matthew Traughber

SUMMARY OF FINDINGS

- CTE programs met the annual target for enrollment against capacity of 77.9% for 2018.
- Student retention over year 1 of programs was 86% in 2019, falling below the 90% program target.
- Student retention to completion in 2-year programs was 70% in 2019 and has gradually risen over time. However, 2-year retention in full-day programs (North Tech only) decreased in 2019.
- Retention among full-day students (North Tech only) exceeds that among half-day students.
- The proportion of students earning a National Career Readiness Certificate based on ACT WorkKeys assessment performance was 90.5% in 2019 and has exceeded the program target for 4 consecutive years.
- The TSA/IRC pass rate among completing students was 81% in 2019, exceeding the program target. The pass rate has gradually increased since 2016 and is higher among students attending South Tech.

ACTION PLAN

Previously-developed action plans pertain to assessment improvements, promoting family engagement, soliciting student feedback, and expanding opportunities for students with disabilities. Of the five previous plans, three are complete, one is on schedule and will continue, and one (family engagement) surpassed the achievement date target but remains in progress.

NEW ACTION PLANS:

1. Conduct professional development with staff targeting student retention.
   Expected achievement date: Currently in process

2. As DESE changes the testing criteria for CTE programs, work collaboratively with program teachers and industry advisory boards to develop an assessment plan for each program.
   Expected achievement date: December 2020

PROFILE

SSD’s two CTE schools prepare students to enter the highly-competitive world of work, either immediately after high school or upon the completion of a post-secondary degree or professional certification or licensure. Curricula are designed around current and future industry demands. CTE serves both full-time (North Tech only) and half-day students. Students attending full time will complete their academic coursework at and graduate from North Tech. Half-day attendees are considered to be students of and graduate from partner district high schools. Half-day students attend part-time for three hours each day. While the program serves high school junior and seniors, sophomores also have the opportunity to participate via a semester- or year-long career exploration program.

RESOURCES

Equipment and supplies, tools, student organizations, mileage, printing and binding, professional memberships, student certification and licensure, student assessments, student transportation.

STAFF: (As of October 2019)
- 125 Certified staff
- 25 Non-certified staff
- 10 Administrators / Managers
- 36 Part-time staff

BUDGET:

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salary and Benefits</td>
<td>$14,754,702</td>
</tr>
<tr>
<td>Purchased services</td>
<td>$535,281</td>
</tr>
<tr>
<td>Supplies/Capital Outlay</td>
<td>$1,729,631</td>
</tr>
<tr>
<td>Total</td>
<td>$17,019,614</td>
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</tbody>
</table>

RESPONSIBILITY OF:

Assistant Superintendent of College and Career Readiness

EVALUATION & RESEARCH RECOMMENDATION: REVISE MEASURES IN RESPONSE TO NEW REQUIREMENTS AND ASSESSMENT REVISIONS ONCE FINALIZED.
**Objective 1.1**
CTE schools and individual programs will experience enrollments nearing capacity.

**MEASURE**
1.1: Proportion of enrollment against capacity for all CTE programs.

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**Objective 1.2**
Students who begin a CTE program will persist through the end of the first year of their program.

**MEASURE**
1.2: Proportion of students who begin a 2-year program that complete the first year.

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**Objective 1.3**
Students who begin a CTE program will persist in and complete their program.

**MEASURE**
1.3: Portion of students who begin a 2-year program and complete the program.

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**SUPPORTING RESULTS DATA**

CTE programs met the annual target for enrollment against capacity of 77.9% for 2018. The long-term target is 80%. FY 2019 results are not yet available.

**CTE Enrollment vs. Capacity**

Overall 1-year program retention dipped in 2018 and 2019 following a peak in 2017. The two most recent results for all CTE combined fell below the program target of 90%, though retention for students in full-day programs fell at the target. These data include students in 1-year and 2-year programs. Note that only North Tech has full-day programs.

**CTE Student Retention Over Year 1 of Program**

The performance target for Objective 1.3 is an annual 2% increase over the FY14 start cohort baseline. The target has been met each of the last 4 years. Retention in full-day programs continues to exceed that in half-day programs. Full-day program retention decreased in FY19 after peaking at 94% the year prior.

**CTE Student Retention Over 2-Year Program**

*Red line indicates internal program target for "All CTE" (annual 2% increase over baseline)*
Objective 2.1
Career and technical education students will be adequately prepared to meet WorkKeys expectations for their chosen career field.

MEASURE

2.1: The proportion of students earning a National Career Readiness Certificate based on ACT WorkKeys performance.

Objective 2.2
Career and technical education students will successfully pass a TSA or IRC.

MEASURE

2.2: TSA/IRC pass rate (proportion of completers that passed a TSA and/or IRC).

The proportion of students earning a National Career Readiness Certificate based on ACT WorkKeys assessment performance was 90.5% in 2019, exceeding the 80% target for the fourth consecutive year. The ACT WorkKeys system was recently updated. The test assesses skills relevant to the workplace such as applied math, graphic literacy, and using workplace documents.

Proportion of Students Earning a NCRC

Students demonstrate skill acquisition and college/career readiness through the Technical Skills Assessment (TSA) and/or Industry Recognized Credential (IRC). The proportion of students completing a CTE program who achieved a passing score on a TSA or IRC assessment was 81% overall in 2019, surpassing the program target (which was 73% as of 2019; the current Perkins target for TSAs is 71%). The overall pass rate has increased in 3 consecutive years. The pass rate among students attending South Tech has risen considerably over 5 years and lies above that of students attending North Tech.

TSA and IRC Pass Rates

<table>
<thead>
<tr>
<th>Year</th>
<th>South Tech</th>
<th>All CTE</th>
<th>North Tech</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>78.6%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>89.2%</td>
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<tr>
<td>2017</td>
<td>87.8%</td>
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</tr>
<tr>
<td>2018</td>
<td>84.4%</td>
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<td></td>
</tr>
<tr>
<td>2019</td>
<td>90.5%</td>
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Note. Combined rate not available for 2015 or 2016.