

Career & Technical Education

Principal's Academy 2022

Dr. Ronda Wallace Principal of North Tech

Kevin Edson, North Tech Assistant Principal

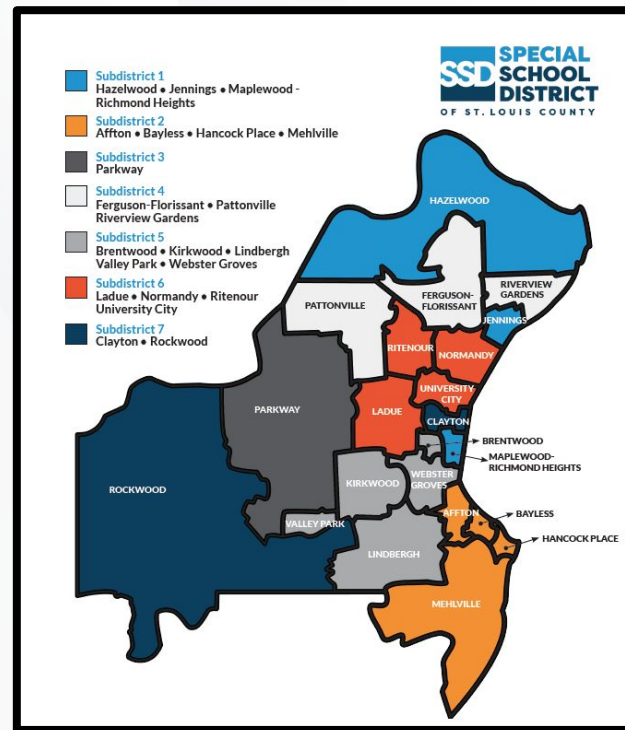


History of SSD and CTE

- Vocational Education Act of 1963
- South Technical High School Opened 1966
- North Technical High School Opened 1967
- West Technical High school closed 2005
- Off-Site Programming
 - Pattonville - Health Sciences
 - Parkway - Health Sciences (Spark!)

CTE: Who can Participate?

- ANY student who lives in St. Louis County or attends a St. Louis County Public School
- Fox and Windsor School Districts, if space is available
- Meet program eligibility requirements
 - On track to graduate on time
 - Meet program pre-reqs (ex. C or better in all sciences courses for Health Sciences)



CTE Leadership

District

Executive Director

Kevin Andert

Manager of CTE

Valerie Wilson

North Tech

Principal

Dr. Ronda Wallace

Assistant Principal

Kevin Edson

South Tech

Principal

Dr. Jacob Lohse

Assistant Principal

Karista Koehler

FY22 Priorities

Student Success

- Explicit Instruction
- Work-Based Learning
- Credential Attainment

Stakeholder Engagement

- Career & Technical Student Organizations
- Family Advisories
- Partner District Advisory
- Industry Program Advisory

#SSDSnapshot



north
south
TECH
HIGH SCHOOLS



56

SkillsUSA medals awarded to
North and South Tech students

Programs

North and South Tech Programs

Industrial and Engineering Technology

- Auto Collision Repair
- Automotive Technology
- Construction Innovations
 - Carpentry, Construction Trades, HVAC, Electrical Trades, Floor Laying
- Design and Entrepreneurship (ST)
- Diesel Technology (NT)
- Electronics and Robotics Engineering (ST)
- Precision Machining Welding

Human Services

- Cosmetology
- Culinary Arts
- Early Childhood Education
- Firefighting/EMT
- Hospitality Business and Entrepreneurship (NT)
- Law Enforcement

North and South Tech Programs

Health Services

- Dental Sciences (ST)
- Health Sciences
- Pharmacy Sciences (ST)

Business, Management and Technology

- CISCO Networking Academy
- Web and Computer Programming

Arts and Communication

- Graphic Design
- Fashion Design (NT)

Natural Resources and Agriculture

- Veterinary Assistant

New Programs in August 2023



Dental Sciences

North Tech August 2023



Multimedia Production

North Tech August 2023



Baking & Pastry Arts

North & South Tech August 2023

North & South Tech Enrollment Data

Demographics - Race, Ethnicity, and Disability Status

North Tech

	Sending Schools	North Tech
White	14.24%	12.87%
African American	73.72%	74.85%
Hispanic	6.59%	4.34%
Asian	1.00%	0.75%
Multiracial	4.21%	5.83%
Native American	0.12%	1.04%
Pacific Islander	0.11%	0.29%
% of students with IEPs	15.95%	17.71%

NT Enrollment = 706 as of 10/1/21

South Tech

	Sending Schools	South Tech
White	70.71%	64.75%
African American	10.58%	14.02%
Hispanic	4.65%	7.48%
Asian	8.30%	2.54%
Multiracial	5.49%	3.07%
Native American	0.14%	0.93%
Pacific Islander	0.05%	0.40%
% of students with IEPs	13.90%	29.76%

ST Enrollment = 793 as of 10/1/21

Demographics - Gender

North Tech

	Male	Female
% of Student Population	44.5%	55.95%

NT Enrollment = 706 as of 10/1/21

South Tech

	Male	Female
% of Student Population	58.51%	41.49%

ST Enrollment = 793 as of 10/1/21

Demographics - Students in Non-Traditional Programs

North Tech

in Non-Traditional Programs % of Population

Total	86	12.2% of Students
Females	59	14.9% of Female Students
Males	27	8.7% of Male Students

NT Enrollment = 706 as of 10/1/21

South Tech

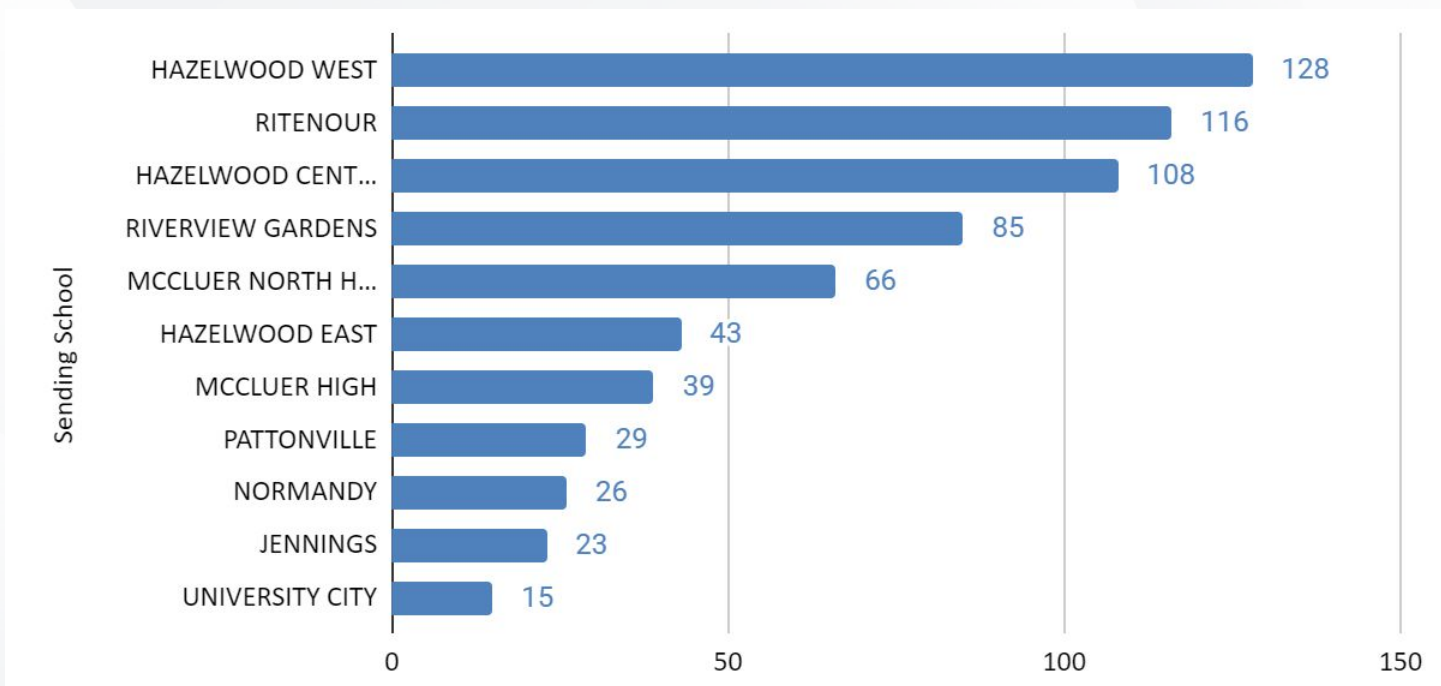
in Non-Traditional Programs % of Population

Total	90	11.4% of Students
Females	49	14.9% of Female Students
Males	41	8.8% of Male Students

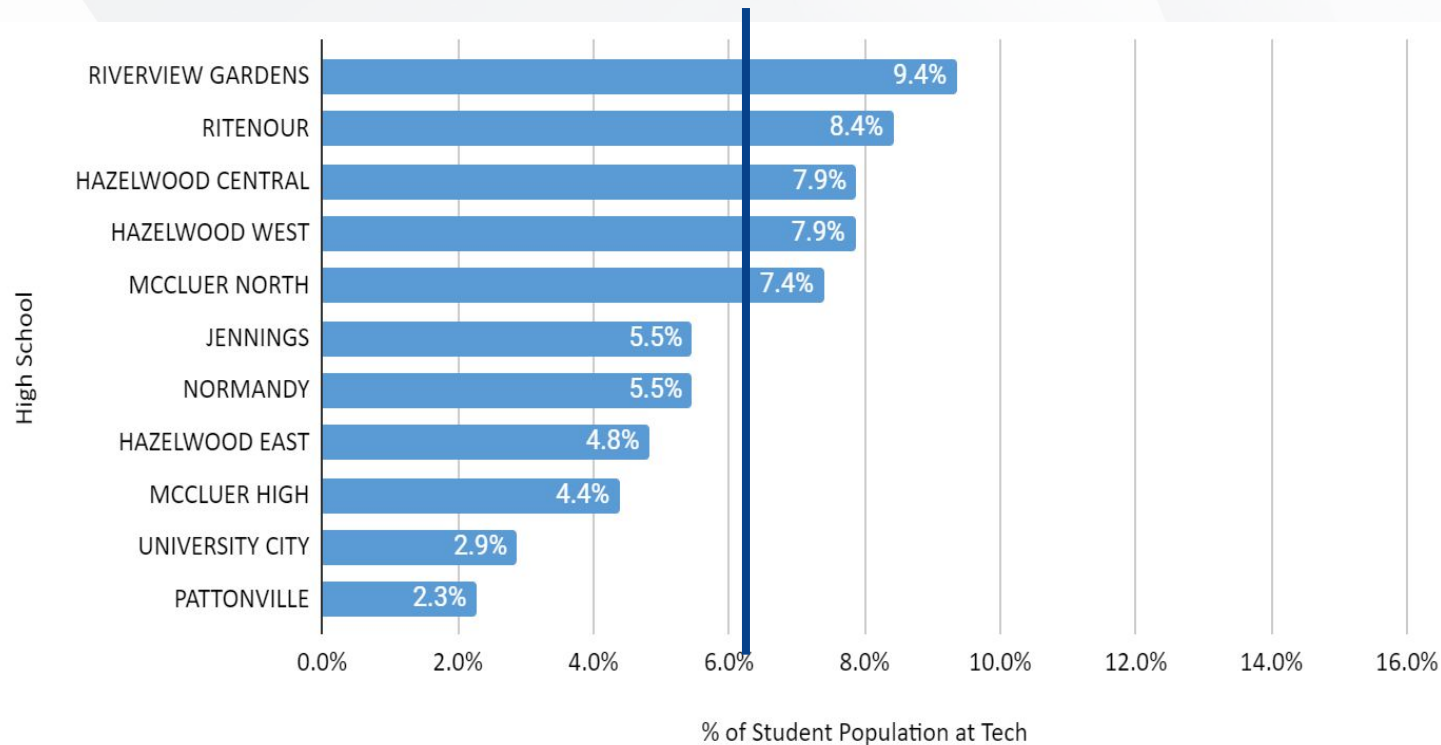
ST Enrollment = 793 as of 10/1/21

13

North Tech 2021-22 Enrollment by Sending School

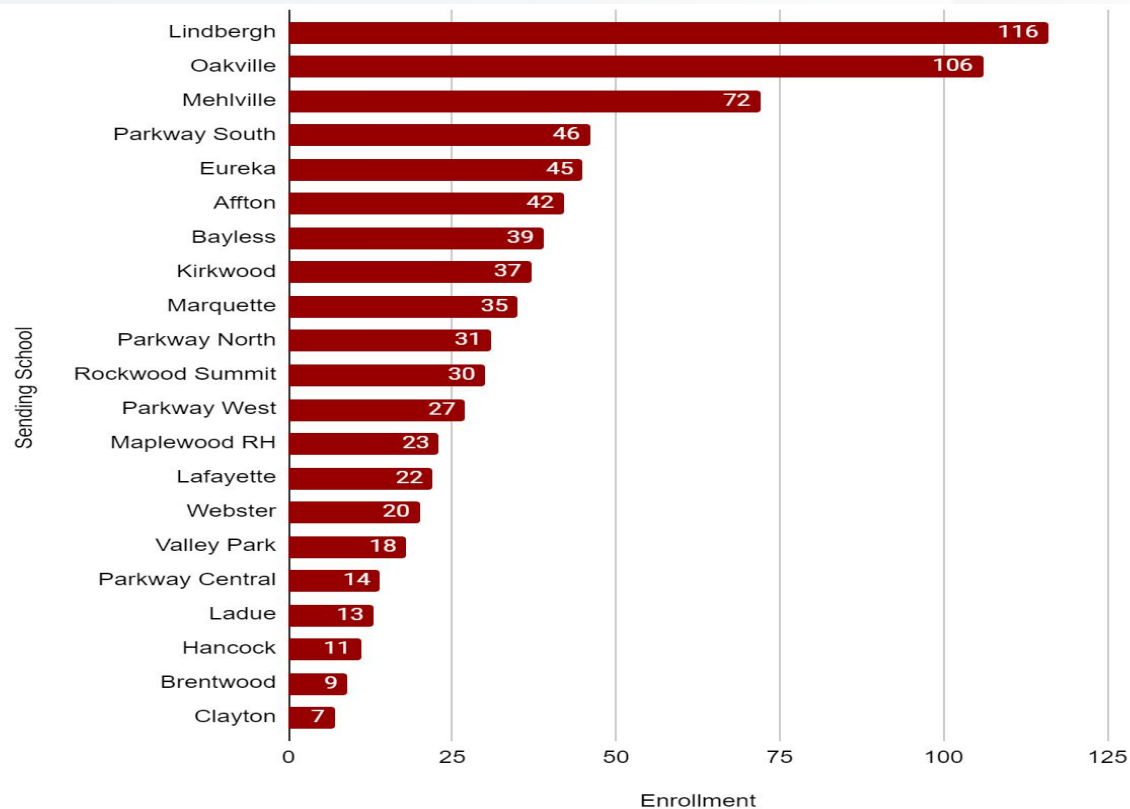


Percent of Eligible Population Enrolled at North Tech

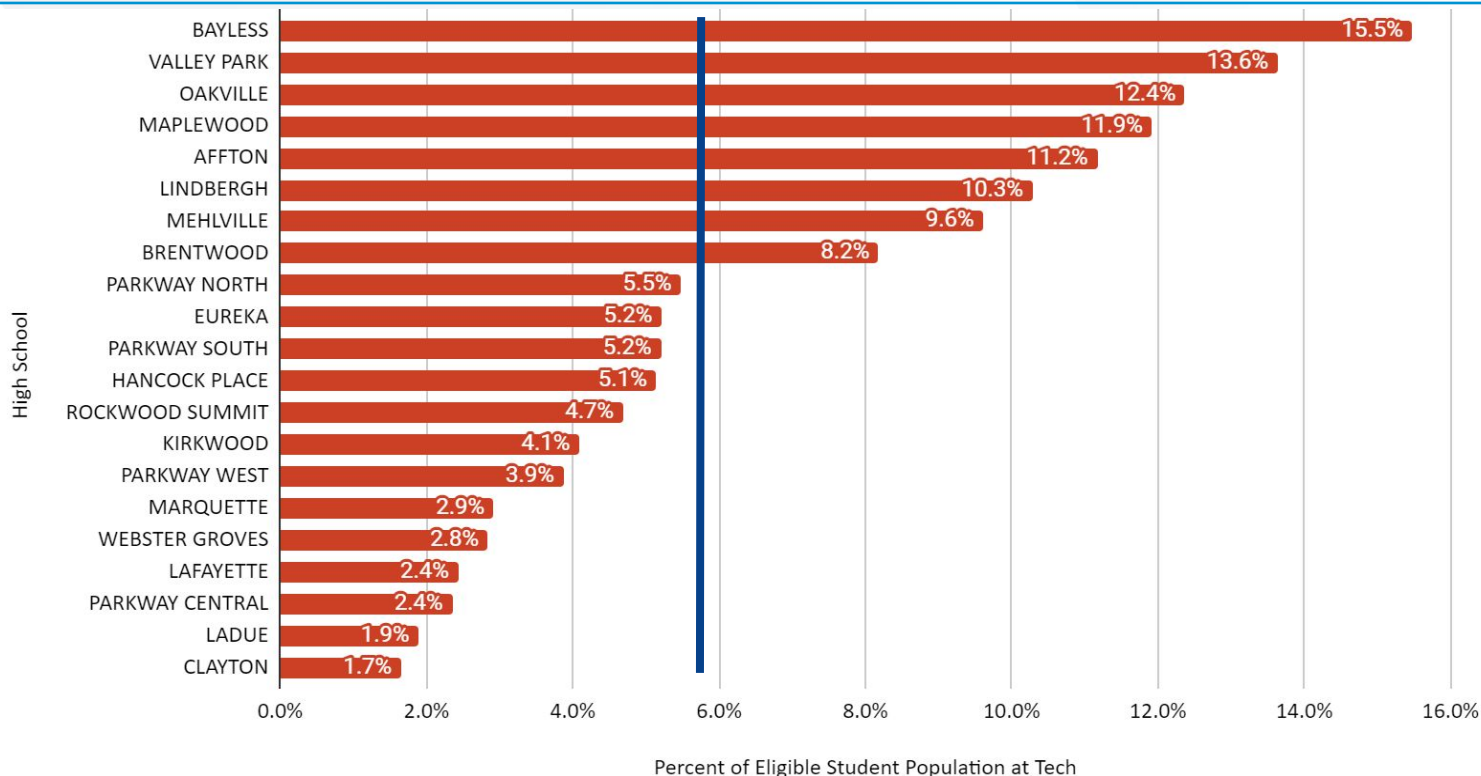


Blue Line: Overall 6.4% of eligible students from North Tech's sending schools are enrolled at North Tech.

South Tech 2021-22 Enrollment by Sending School



Percent of Eligible Students Enrolled at South Tech



Blue Line: Overall 5.8% of eligible students from South Tech's sending schools are enrolled at South Tech.

Placement Data

Class of 2021 Placement Results

North Tech

College/Training	170	53.6%
Employed	103	32.5%
Military	4	1.3%
Other	11	3.5%
Unknown	27	8.5%

South Tech

College/Training	204	57.8%
Employed	112	31.7%
Military	15	4.2%
Other	9	2.5%
Unknown	11	3.1%

19

Class of 2021 Placement Results

60%

**North Tech
Placed Related**

66%

**South Tech
Placed Related**



Student Certification

DESE CTE Certificate

3 Credits in a CTE Program
of Study



Employability Skills (Ex.
CTSOs)



3.0 GPA in CTE Area



50 Hours of Work Based
Learning



95 % Attendance Overall
for Grades 9-12



Score the standard on CCR
Assessment (NCRC Silver)



Pass a TSA or IRC



Industry Recognized Credentials

Stand Alone Credentials

- Require at least a year of instruction to be prepared for assessment
- Examples
 - Cisco CCNA
 - Cosmetology State Boards
 - CNA Certification
 - AWS Welding Certification


Stackable Credentials

- Must earn 2 stackable credentials to count as an IRC
- Could be prepared for in a semester or less
- Examples
 - 911 Dispatch Certification
 - OSHA 10
 - EPA 608 and 609
 - AHA BLS CPR Certification

WorkKeys & MSIP

Appendix A - Assessment Scores Matrix

Standard 3: College and Career Readiness*1-3

Assessment	Student Weight-->	0	0.25	0.75	1	1.25
ACT®	Composite Score	No record of participation	≤ 17	18 - 21	22 - 25	26 - 36
**ACT WorkKeys®	Versions 2.0 and (1.0) Workplace Documents (Reading for Information), Applied Math, and Graphic Literacy (Locating Information)	No record of participation	3 or below			
				4	5	6 or 7

Preliminary 2022 WorkKeys Results

82%

**Earned a NCRC
Credential**

54%

**Earned Silver
or Above**

1 in 6

**ST Seniors
Earned Platinum**

25

Tech is great! How can we help?

Participate in the Partner District CTE Advisory

- **Meets 3 times per year**
- **Meetings are virtual**
- **Focus Areas:**
 - Share Data
 - Increase Alignment
 - Maximize Resources
 - Student Success



Minimum Graduation Requirements

SUGGESTED COURSE OF HIGH SCHOOL STUDY

It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Recommended Career Electives	Additional Learning Opportunities
Secondary	9	English 1 or Honors English 1	Algebra 1A Algebra 1 Geometry Honors Geometry	Topics in Physics or Honors Topics in Physics	World History 1&2 or Honors World History 1&2	PE / Health Fine Arts Practical Arts Modern Language	Computer Applications	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:
	10	English 2 or Honors English 2	Algebra 1B Geometry Honors Geometry Algebra 2/Trig Honors Algebra 2/Trig	Chemistry or Honors Chemistry	World History 2 & American Government or Honors World History 3 & American Government	Modern Language		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Volunteer <input type="checkbox"/> Other:
	11	Contemporary Authors American Literature AP English Lang & Comp	Geometry Algebra 2 Honors Algebra 2 Intermediate Algebra Hon Pre-Calculus College Algebra AP Calc AB AP Stats	Biology Honors Biology AP Biology	US History or AP US History	Personal Finance	Business & Personal Law Psychology Sociology Contemporary Issues South Tech Firefighting Law Enforcement Emergency Medical Technician	Assessments/Credentials: <input type="checkbox"/> Industry Recognized Credential (IRC) <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other:
	12	Mystery & Argument Creative Writing Lit Through Film Other Voices Bosnian Am Studies Mass Media AP Eng Lit & Comp	Intermediate Algebra Hon Pre-Calculus College Algebra AP Calc AB AP Calc BC AP Stats	Zoology Forensic Science Anatomy Honors Anatomy AP Biology AP Physics 1	AP Govt & Politics AP Psychology Contemporary Issues Sociology Psychology		South Tech Firefighting Law Enforcement Emergency Medical Technician	Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> EOC <input type="checkbox"/> PSAT <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: <input type="checkbox"/> ASVAB <input type="checkbox"/> Aspire <input type="checkbox"/> SAT
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> HOSA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> Other: <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> NHS



Include Tech in Professional Development

- Have North and South Tech become a component your professional development toolkit
- Could include our staff coming to your site or your staff coming to visit our schools



Create Opportunities for All Students to Learn About Tech

“Out of my home school...you’ll maybe see five posters throughout the school talking about South Tech...and then there may be one assembly a year about South Tech. It’s definitely a lot more dialed down at the home schools, and they definitely push college a lot.” - Trace ST Senior

30

QUESTIONS

