

Overview of Career Technical Education in Vermont

Presented to the Vermont State Board of Education

Dr. Heather Bouchey, Deputy Secretary

12/13/17



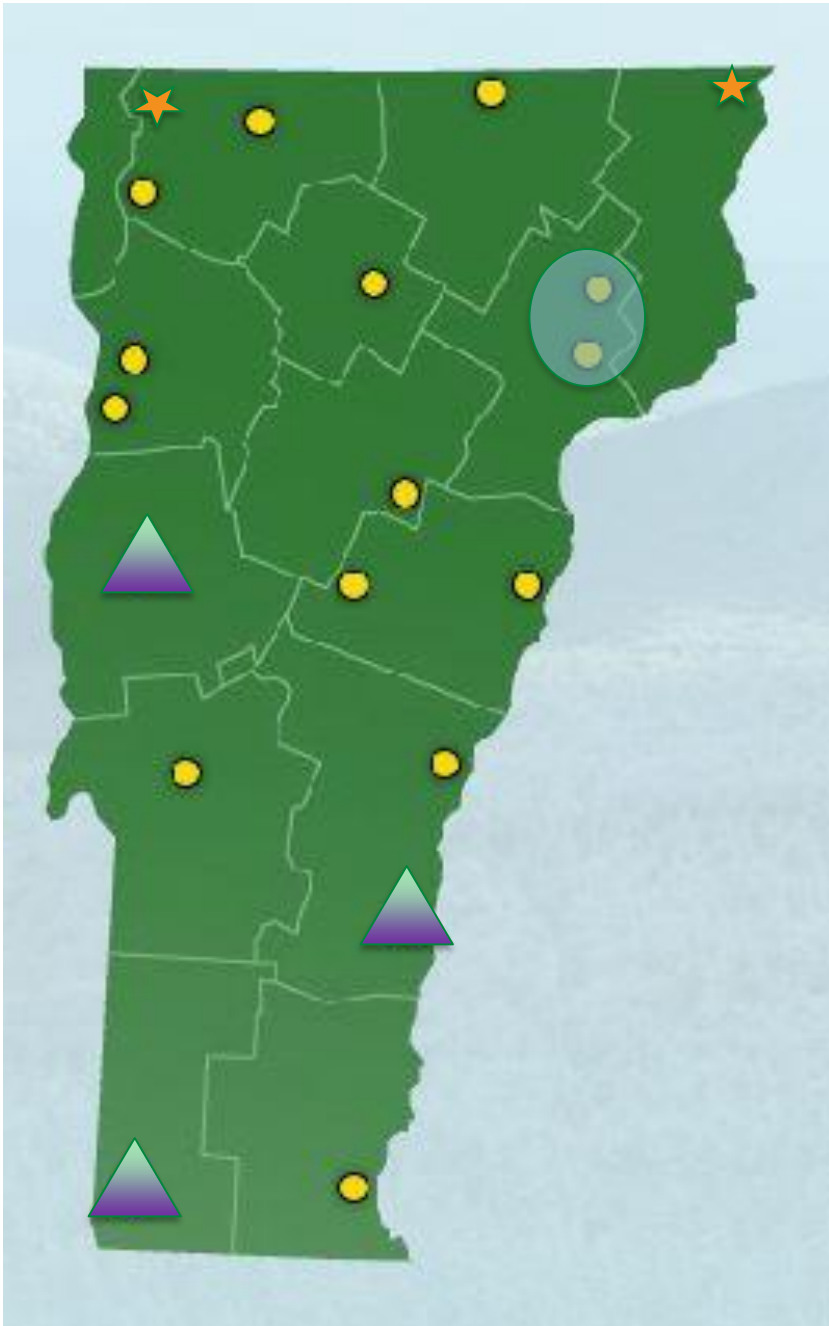
Outline




- Description of CTE system
 - What is it? Where is it?
 - Programs
 - Enrollment Trends and Outcomes
- Vision for CTE system
- Introduction to Career Pathways

What is CTE?

- Set of courses and experiences that help students gain the **skills, technical knowledge, academic foundation** and real-world **experience** for high-skill, high-demand, high-wage careers
- Key resource for personalized, contextualized learning
- College and career readiness
 - Graduation requirements
 - Transferable skills

Where is CTE?

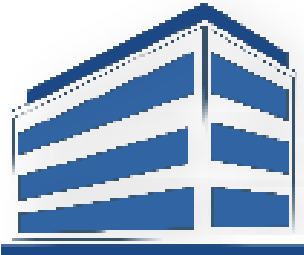


-  Independent Technical Center Districts
-  Satellite location/comprehensive high school
-  Independent Schools hosting technical education programs
-  Full or part-time regional career centers

What CTE Programs are Offered?

- See handout

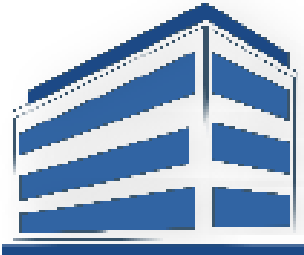
This student attends a CTE center that offers half-day programs. How much of an FTE are they?



Nurse

1 FTE = 240 minutes/day

This student attends a CTE center that offers FULL-day programs. How much of an FTE are they?



Mechanic

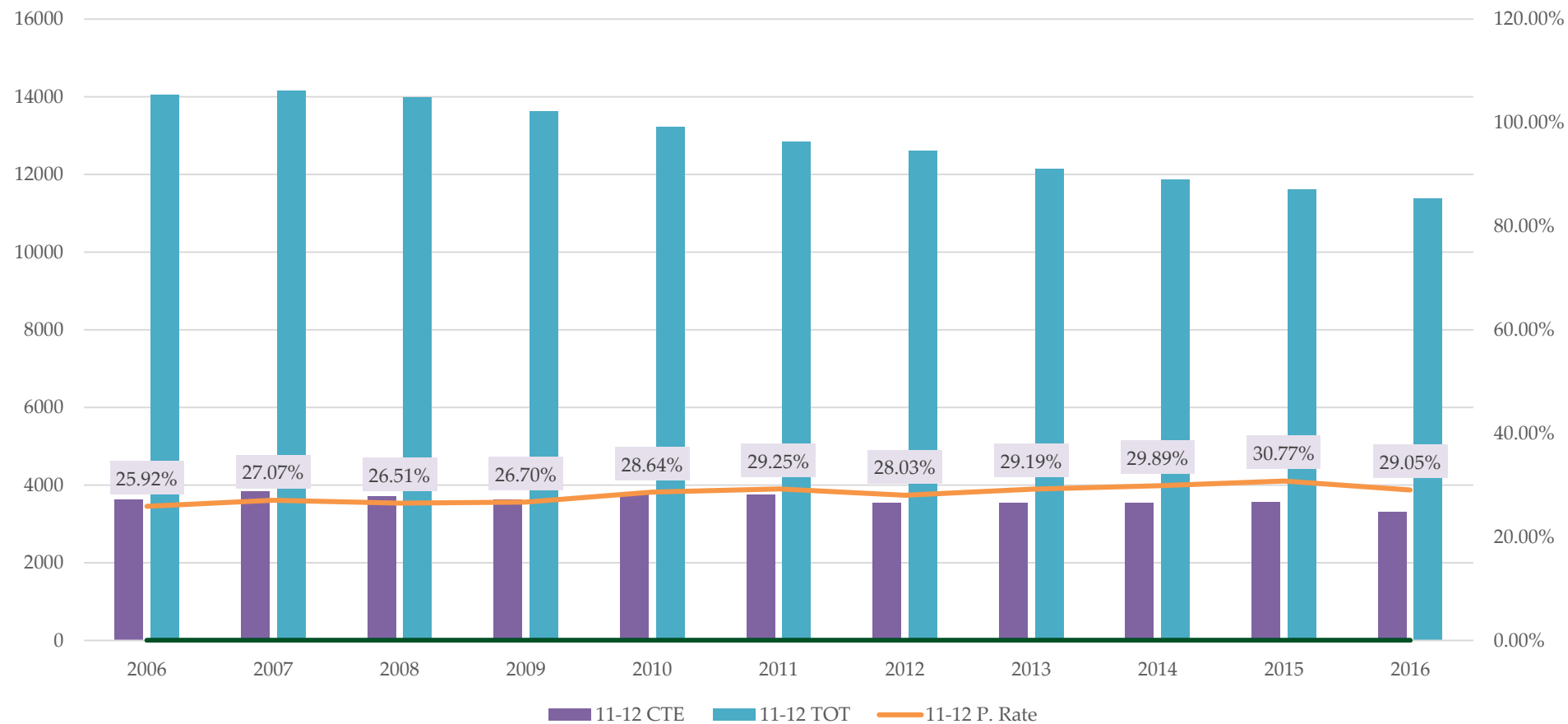
1 FTE = 240 minutes/day

Who can participate?

- See handout

Enrollment Trend (11-12th)

State of Vermont
10 Yr. CTE Participation Rate, Grades 11-12



Enrollment Trend (9-10th)

State of Vermont
10 Yr. CTE Participation Rate, Grades 9-10



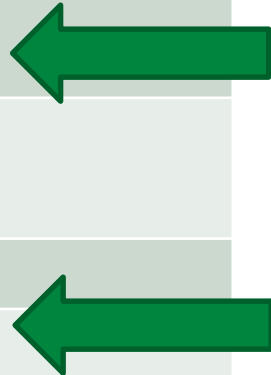
6 Month CTE student follow-up

Outcome	Percentage
Employed in a related field	23%
Employed in an unrelated field	23%
Military Service in related field	2%
Military Service in an unrelated field	2%
Pursuing related postsecondary education/training	38%
Pursuing unrelated postsecondary education/training	9%
Unemployed	3%
Not in labor force	1%

Data collected 6 months after the end of the previous school year (2015-2016). Relates to all students who took CTE programs during previous year (i.e., SY16) who are NOT still in high school. Survey response rate = 76%.

3 year CTE student follow-up

Outcome	Percentage
Employed in a related field	34.38%
Employed in an unrelated field	31.43%
Military Service in a related field	1.61%
Military Service in an unrelated field	1.69%
Pursuing related postsecondary education/training	20.28%
Pursuing unrelated postsecondary education/training	6.77%
Unemployed	2.09%
Not in labor force	1.58%



Data from 2015-2016 school year 3 year survey. Includes students who were in CTE programs in 2013. Response rate = 48%.



Statement of the Problem

- Population decline and increasing poverty are leaving Vermont business and industry (and state government) without the skilled workers they need to drive business growth and economic prosperity.
- High school graduates most likely to stay in Vermont are also the graduates with lower level of skill, less connection to postsecondary institutions, and less connection to high-wage career opportunities in the state.

What does the future of **Vermont** require?

Workforce education and training within **six priority sectors** to ensure long-term economic vitality

- Travel/Tourism and Business Systems (Culinary, Hospitality, Accounting, Management, Entrepreneurship)
- Manufacturing/Engineering (STEM)
- Construction/Green Building and Design
- Local Food Systems, Agriculture, Natural Resources;
- Information Technology (Networking, Software Development, Website Design)
- Health/Medical

Key Solution: Career Pathways

Series of interconnected education and training strategies, and support services, that enable individuals to

- secure industry recognized certification
- obtain employment within an occupational area, and
- advance to higher levels of future education and employment in that area.

Career Pathways – Three Ways Used

1. Career pathways for students

- What career are you interested in? How do we get you there?
- Local connections and capacity building for meeting student need
- Focused on scale

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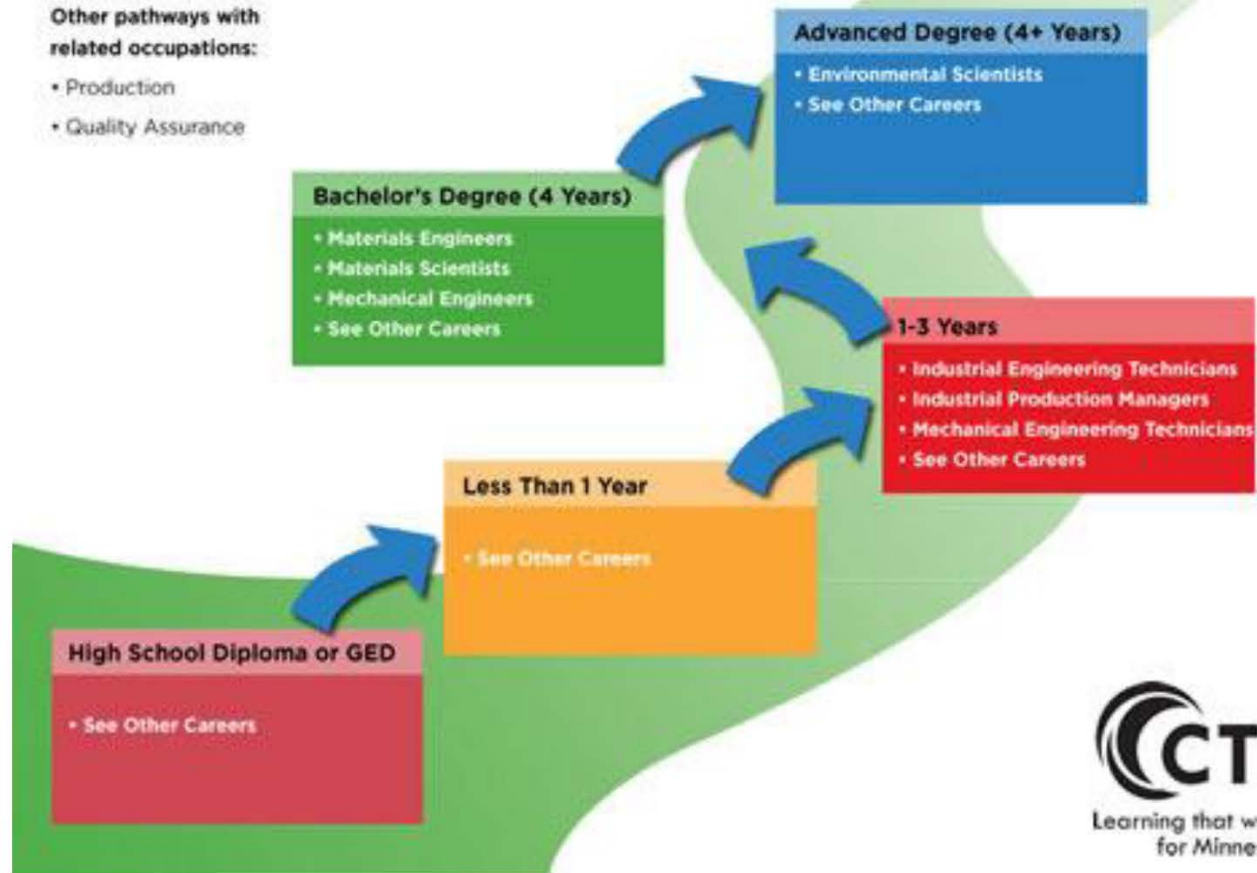
2. Career Pathway Programs

- What courses, experiences needed to build specific, equitably accessible pathways that meet employer needs in key sectors?
- Requires multi-agency work and (sometimes) statutory changes
- Must include links to postsecondary educational and training opportunities

Manufacturing Production Process Development

Other pathways with related occupations:

- Production
- Quality Assurance



Region 10 Advanced Manufacturing CAREER PATHWAYS MAP

Business and Industry Experience, Proven Leadership Skills

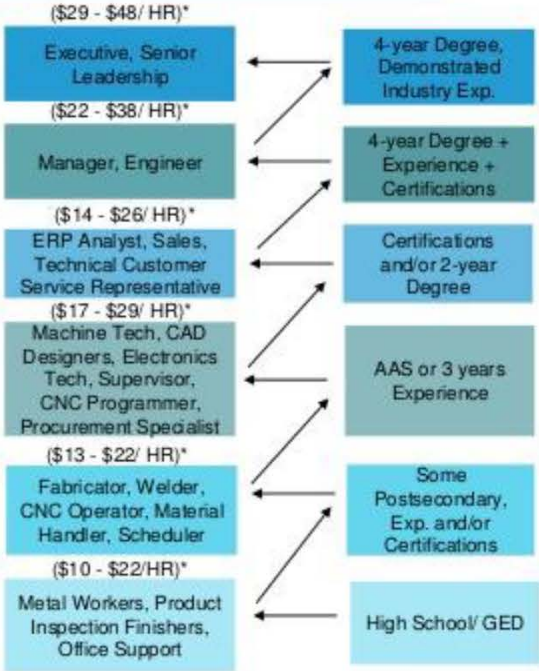
Experience with Contracts, Advanced PC Skills, Mechanical Desktop, ProE, Leadership Skills, Strategic Thinking, Organizational Planning

Accounting, ERP and Analysis, Technical Product Knowledge & Experience, Presentation Skills

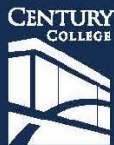
CAD Design/Modeling, Programming, Mechanical/Electrical Intermediate and Troubleshooting Skills, Coaching, Delegation, Mfg. Experience

CNC Skills, Instrumentation, Teamwork, Problem Solving, Negotiation & Customer Service Skills, Mechanical/Electrical Basic Skills

Personal Effectiveness Skills, Academic Competencies, Multi-Tasking, Organization Skills, Attention to Detail, Mechanical Aptitude, Blueprint Reading



*Base wage rate not including benefits.



Advanced Manufacturing Career Pathways

LEARN WORK EARN
A Minnesota Advanced Manufacturing Partnership Project

Advanced Manufacturing Core
Credit or Non-Credit

CMAE Credits	8
OR	
MSSC Certified Production Technician (CPT) Credential	

CMAE 1522: Quality Practices (2)
CMAE 1514: Safety Awareness (2)
CMAE 1526: Maintenance Awareness (2)
CMAE 1518: Manufacturing Process & Production (2)

Credit for Prior Learning will be awarded if taken non-credit and received MSSC Certified Production Technician Credential

On-The-Job Opportunities
Dual Training

Additive & Digital Manufacturing
AAS Degree

Adv Manufacturing Core	4
AAS Credits	56
Total Credits	60

Welding Partnership Pathway
(Century College)

Century College Certificate Credits	8
Total Credits	8

Welding Diploma Partnership
(St. Paul College)

Welding Partnership (with Core from St. Paul College)	16
St. Paul College Diploma Credits	32
Total Credits	48

EMPLOYMENT

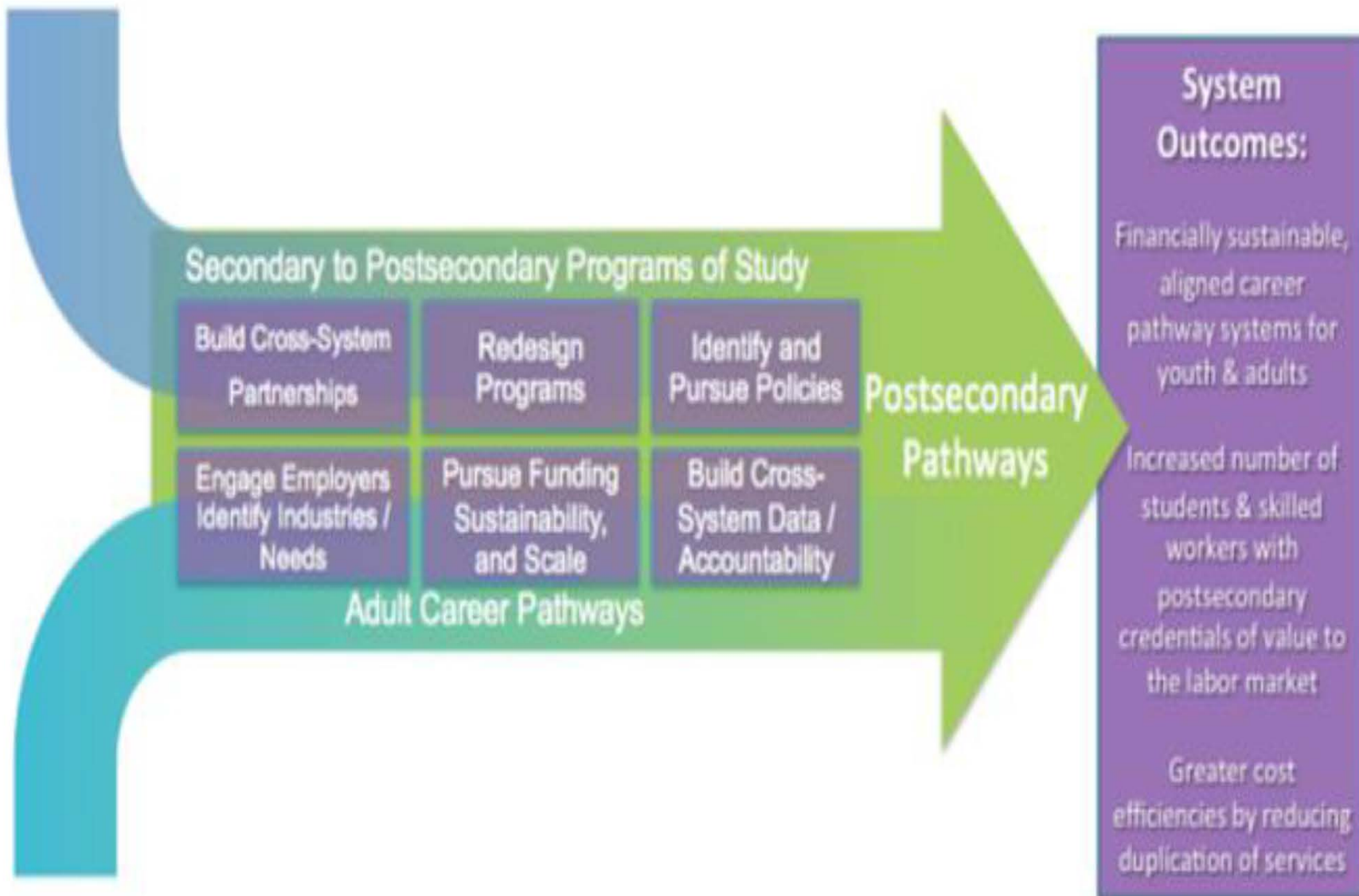
- Production Technician
- Process Technician
- Welding Technician



Learn more at:
www.mnamp.net



A Member of the Minnesota State Colleges and Universities System, an Equal Opportunity Employer and Educator.
This workforce solution was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration.
South Central College is the lead institution of the Minnesota Advanced Manufacturing Partnership.



Career Pathways and Administration Priorities

Affordability: Direct access to industry-recognized credentials, postsecondary credentials and high-wage jobs.

Growing the Economy: Strengthen links between students and employers in high-growth, high-priority VT economic sectors (e.g., Construction Sciences and Building Design, Health Sciences, Advanced Manufacturing,)

Protecting the vulnerable: Detailed “how to” roadmaps will help those students who traditionally lack strong role models and knowledge for navigating the postsecondary transition

AOE CTE Theory of Action

By investing in:

- a robust, high-quality **career advising and guidance system** that is aligned with high-wage, high-growth sectors;
- the development of employer-led **rigorous programs of study** that include **both secondary and postsecondary elements** and are embedded within transparent **career pathways** for high-skill, high-demand occupations;
- expanding student participation in **postsecondary programs** that lead to industry-recognized credentials or degrees that signal higher levels of skill

Vermont will improve the economic conditions of both the state and its individuals, including the conditions of historically marginalized and underserved groups.

How will we accomplish this?

Improve the academic rigor of CTE programs, by raising standards, infusing rigorous academics into career pathways, and increasing the porosity between traditional regular high school and CTE programming.

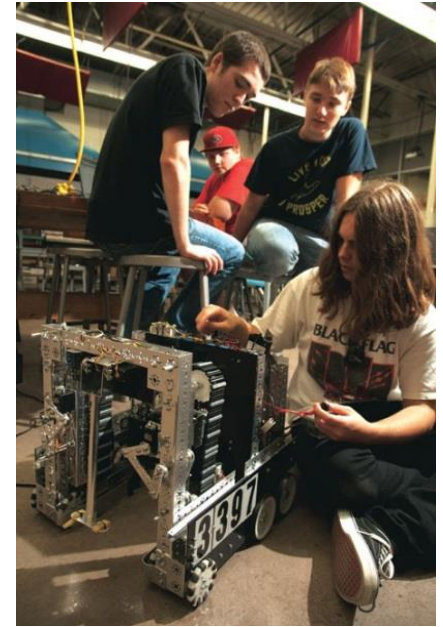


Alignment with Governor Scott's priority: Affordability (find cost-effective ways to share resources between CTE and gen ed)

How will we accomplish this?

Improve postsecondary participation by students who are growing up in adversity or are the first in their families to go to college by leveraging dual enrollment, partnerships with colleges and CTE pathways to ensure that:

- beginning in middle school, students are exposed to the career opportunities in high-wage, high-growth sectors that are associated with post-secondary degrees or advanced IRCs, and
- while still in high school, students successfully earn college credits that move them towards these post-secondary goals.



Alignment with Governor Scott's priorities:
vulnerable populations, grow the economy

How will we accomplish this?

In partnership with high schools, regional CTE centers, business and industry, the Department of Labor and postsecondary institutions, develop robust model career pathways in three high-priority sectors: **construction sciences/building design, health careers, and manufacturing/IT.**

- Pathways will integrate information about the education and training required at each step, relevant registered apprenticeships, work-based learning opportunities and employer-led training initiatives.
- **Alignment with Governor Scott's priority: grow the economy**

Accomplishments to Date

- Hiring of Statewide Career Pathways Coordinator
- Vermont Talent Pipeline Management initiative
- AOE/VDOL collaboration
 - Adult CTE pilot
 - Rutland/REDC



Questions?



fldCenterName	fldProgram	2015-16 Enrollment	2016-17 Enrollment	2017-18 FALL Enrollment
Burlington Technical Center	Law Enforcement	18	16	14
Burlington Technical Center	*PTF Cross Disciplinary	-	-	14
Burlington Technical Center	Computer Programming	-	-	15
Burlington Technical Center	Aviation Technology	14	14	17
Burlington Technical Center	Welding/Metal Fabrication	19	19	17
Burlington Technical Center	Video Production	15	13	19
Burlington Technical Center	Culinary Arts	18	16	19
Burlington Technical Center	Auto Body Repair	15	19	20
Burlington Technical Center	Human Services	21	16	21
Burlington Technical Center	Design Visual Communication	32	30	24
Burlington Technical Center	Automotive Technology	22	18	29
Burlington Technical Center	Health Careers	43	47	49
Burlington Technical Center	Z-Computer Network Mgmt.	**	**	-
Central Vermont Career Center	Electrician	**	14	**
Central Vermont Career Center	Environmental Technology	**	11	**
Central Vermont Career Center	Emergency & Fire Mgmt.	**	12	**
Central Vermont Career Center	Heating, Ventilation & AC	14	**	**
Central Vermont Career Center	Human Services	15	11	11
Central Vermont Career Center	Culinary Arts	20	18	11
Central Vermont Career Center	*Pre-Tech Exploratory	17	14	12
Central Vermont Career Center	Automotive Technology	16	16	14
Central Vermont Career Center	Construction	16	11	15
Central Vermont Career Center	Animation & Web Design	19	20	16
Central Vermont Career Center	Cosmetology	23	21	18

Cold Hollow Career Center	Diversified Agriculture	-	-	**
Cold Hollow Career Center	*PTF Ag, Food & Nat. Res.	12	29	**
Cold Hollow Career Center	Construction	19	16	14
Cold Hollow Career Center	Forestry/Natural Resources	26	21	14
Cold Hollow Career Center	Design Visual Communication	**	**	16
Cold Hollow Career Center	Health Careers	15	16	17
Cold Hollow Career Center	Business-General	14	22	20
Cold Hollow Career Center	Automotive Technology	24	25	25
Cold Hollow Career Center	Z-*PTF Business & Marketing	24	-	-
Essex, Center for Technology Ed	Construction Technology 2	**	**	**
Essex, Center for Technology Ed	Child Care Human Services	**	**	**
Essex, Center for Technology Ed	Engineering 2	**	**	**
Essex, Center for Technology Ed	*PTF Hospitality & Tourism	-	-	**
Essex, Center for Technology Ed	Graphic Design	**	**	**
Essex, Center for Technology Ed	Computer Network Management 2	**	**	**
Essex, Center for Technology Ed	*PTF Sci., Tech., Eng. & Math	**	14	**
Essex, Center for Technology Ed	Engineering Technician	16	**	**
Essex, Center for Technology Ed	Computer Network Mgmt.	19	14	**
Essex, Center for Technology Ed	Health Information Management	20	13	11
Essex, Center for Technology Ed	Culinary Arts 2	11	**	12
Essex, Center for Technology Ed	Web/Multimedia Management	15	15	12
Essex, Center for Technology Ed	Design Visual Communication	15	13	13
Essex, Center for Technology Ed	Early Childhood Education	**	12	15
Essex, Center for Technology Ed	Cosmetology 2	18	20	15
Essex, Center for Technology Ed	*PTF Transportation	11	12	16
Essex, Center for Technology Ed	Construction	11	15	16
Essex, Center for Technology Ed	Forestry/Natural Resources	16	17	16
Essex, Center for Technology Ed	Cosmetology	31	17	16

Essex, Center for Technology Ed	Heating, Ventilation & AC	**	16	19
Essex, Center for Technology Ed	Forestry/Natural Resources 2	13	17	19
Essex, Center for Technology Ed	Dental Assisting	28	18	23
Essex, Center for Technology Ed	Culinary Arts	22	20	24
Essex, Center for Technology Ed	Animation & Web Design	25	25	24
Essex, Center for Technology Ed	Automotive Technology	24	19	25
Essex, Center for Technology Ed	*Pre-Tech Exploratory	58	60	44
Essex, Center for Technology Ed	Z-Automotive Apprenticeship Yr 2	**	**	-
Essex, Center for Technology Ed	Z-Dental 2	**	-	-
Essex, Center for Technology Ed	Z-*PTF Human Services	**	-	-
Green Mtn Technical & Career Ctr	Culinary Arts	13	**	
Green Mtn Technical & Career Ctr	Electrician	**	**	
Green Mtn Technical & Career Ctr	Business-Financial Support Occ.	11	**	
Green Mtn Technical & Career Ctr	Construction	12	**	
Green Mtn Technical & Career Ctr	Forestry/Natural Resources	12	**	
Green Mtn Technical & Career Ctr	Heating, Ventilation & AC	**	**	
Green Mtn Technical & Career Ctr	Automotive Technology	13	**	
Green Mtn Technical & Career Ctr	Small Engine Mechanics	13	11	
Green Mtn Technical & Career Ctr	Computer Network Mgmt.	13	12	
Green Mtn Technical & Career Ctr	Health Careers	12	13	
Green Mtn Technical & Career Ctr	Design Visual Communication	15	13	
Green Mtn Technical & Career Ctr	*Pre-Tech Exploratory	26	16	
Hartford Career & Tech. Ctr.	Computer Network Mgmt.	27	22	14
Hartford Career & Tech. Ctr.	Auto Body Repair	16	18	16
Hartford Career & Tech. Ctr.	Health Careers	26	20	19
Hartford Career & Tech. Ctr.	Human Services	24	19	20
Hartford Career & Tech. Ctr.	Culinary Arts	19	24	21
Hartford Career & Tech. Ctr.	Automotive Technology	22	25	22

Hartford Career & Tech. Ctr.	Cosmetology	31	31	24
Hartford Career & Tech. Ctr.	Industrial Mechanics	25	25	25
Hartford Career & Tech. Ctr.	Engineering	-	-	25
Hartford Career & Tech. Ctr.	Forestry/Natural Resources	26	28	26
Hartford Career & Tech. Ctr.	Design Visual Communication	25	30	27
Hartford Career & Tech. Ctr.	Business-Adm. Information Support	25	26	29
Hartford Career & Tech. Ctr.	Construction	30	27	29
Hartford Career & Tech. Ctr.	*Pre-Tech Exploratory	29	28	30
Missisquoi Valley UHSD #7	Diversified Agriculture	38	13	**
Missisquoi Valley UHSD #7	Agricultural Mechanics	39	17	17
Missisquoi Valley UHSD #7	*PTF Ag, Food & Nat. Res.	66	84	71
NEK - Lyndon Institute	Diversified Agriculture	**	**	**
NEK - Lyndon Institute	Precision Machining Technology	**	**	**
NEK - Lyndon Institute	Construction	14	**	**
NEK - Lyndon Institute	Design Visual Communication	**	**	**
NEK - Lyndon Institute	Welding/Metal Fabrication	11	**	**
NEK - Lyndon Institute	*PTF Health Science	-	-	**
NEK - Lyndon Institute	*Pre-Tech Exploratory	15	15	15
NEK - Lyndon Institute	*PTF Transportation	-	-	17
NEK - Lyndon Institute	Health Careers	12	**	18
NEK - Lyndon Institute	Automotive Technology	32	25	24
NEK - Lyndon Institute	*PTF Arts, A/V Tech. & Comm.	-	-	27
NEK - Lyndon Institute	*PTF Manufacturing	29	31	36
NEK - Lyndon Institute	*PTF Sci., Tech., Eng. & Math	59	62	59
NEK - Lyndon Institute	Z-Human Services	**	**	-
NEK - St. Johnsbury Academy	*PTF Manufacturing	**	**	**
NEK - St. Johnsbury Academy	Automotive Technology	17	16	**
NEK - St. Johnsbury Academy	*PTF Human Services	17	21	**

NEK - St. Johnsbury Academy	*PTF Transportation	15	16	11
NEK - St. Johnsbury Academy	Human Services	31	38	11
NEK - St. Johnsbury Academy	Electrician	13	17	17
NEK - St. Johnsbury Academy	*PTF Ag, Food & Nat. Res.	**	18	22
NEK - St. Johnsbury Academy	Culinary Arts	26	24	32
NEK - St. Johnsbury Academy	*PTF Business & Marketing	40	69	36
NEK - St. Johnsbury Academy	*PTF Arch. & Construction	88	89	46
NEK - St. Johnsbury Academy	*PTF Hospitality & Tourism	61	73	66
North Country Career Ctr.	Emergency & Fire Mgmt.	**	**	**
North Country Career Ctr.	Business-Adm. Information Support	**	**	**
North Country Career Ctr.	Hotel Management	**	**	**
North Country Career Ctr.	Diversified Agriculture	**	**	**
North Country Career Ctr.	Culinary Arts	17	11	**
North Country Career Ctr.	Computer Network Mgmt.	12	11	11
North Country Career Ctr.	*PTF Manufacturing	21	16	12
North Country Career Ctr.	*PTF Sci., Tech., Eng. & Math	27	55	13
North Country Career Ctr.	Mechtronics	**	12	14
North Country Career Ctr.	Animation & Web Design	13	13	14
North Country Career Ctr.	Forestry/Natural Resources	18	19	17
North Country Career Ctr.	Construction	16	23	17
North Country Career Ctr.	Automotive Technology	21	18	18
North Country Career Ctr.	Human Services	18	21	18
North Country Career Ctr.	Heavy Equipment	19	22	18
North Country Career Ctr.	Cosmetology	27	26	19
North Country Career Ctr.	Welding/Metal Fabrication	22	20	21
North Country Career Ctr.	Business-Marketing	13	16	24
North Country Career Ctr.	*PTF Hospitality & Tourism	80	66	32
North Country Career Ctr.	*PTF Marketing	31	-	33

North Country Career Ctr.	*PTF Information Technology	-	-	34
North Country Career Ctr.	*PTF Ag, Food & Nat. Res.	45	45	35
North Country Career Ctr.	Health Careers	38	38	51
North Country Career Ctr.	*PTF Arch. & Construction	44	81	77
North Country Career Ctr.	Z-Horticulture	11	**	-
North Country Career Ctr.	Z-*PTF Transportation	21	26	-
North Country Career Ctr.	Z-*PTF Law, Pub. Safety & Sec.	27	-	-
Northwest Technical Center	*PTF Arch. & Construction	28	23	**
Northwest Technical Center	*PTF Education	19	30	**
Northwest Technical Center	*PTF Information Technology	**	16	**
Northwest Technical Center	Emergency & Fire Mgmt.	15	16	11
Northwest Technical Center	*PTF Transportation	15	14	12
Northwest Technical Center	Video Production	21	22	12
Northwest Technical Center	*PTF Law, Pub. Safety & Sec.	12	25	12
Northwest Technical Center	*PTF Hospitality & Tourism	26	26	12
Northwest Technical Center	*PTF Human Services	25	32	12
Northwest Technical Center	*PTF Hospitality & Tourism	-	-	15
Northwest Technical Center	Cosmetology	23	24	18
Northwest Technical Center	Design Visual Communication	16	25	21
Northwest Technical Center	Engineering Technician	22	20	23
Northwest Technical Center	Human Services	17	21	23
Northwest Technical Center	*PTF Arts, A/V Tech. & Comm.	50	54	26
Northwest Technical Center	Culinary Arts	21	24	29
Northwest Technical Center	Construction	49	39	36
Northwest Technical Center	Automotive Technology	38	32	37
Northwest Technical Center	Health Careers	31	37	49
Northwest Technical Center	Z-Business-Marketing	**	-	-
Northwest Technical Center	Z-*PTF Business & Marketing	35	-	-

Patricia Hannaford Career Ctr	*PTF Manufacturing	27	23	**
Patricia Hannaford Career Ctr	Culinary Arts	13	**	**
Patricia Hannaford Career Ctr	Diversified Agriculture	17	**	**
Patricia Hannaford Career Ctr	Human Services	24	11	11
Patricia Hannaford Career Ctr	Precision Machining Technology	16	17	12
Patricia Hannaford Career Ctr	Performing Arts - Theater	18	18	12
Patricia Hannaford Career Ctr	Forestry/Natural Resources	14	21	14
Patricia Hannaford Career Ctr	Health Careers	14	14	16
Patricia Hannaford Career Ctr	Diesel/Truck Mechanic	23	21	18
Patricia Hannaford Career Ctr	Drafting & Design	27	17	19
Patricia Hannaford Career Ctr	Design Visual Communication	18	13	20
Patricia Hannaford Career Ctr	*PTF Arts, A/V Tech. & Comm.	38	39	20
Patricia Hannaford Career Ctr	Automotive Technology	34	31	26
Patricia Hannaford Career Ctr	*PTF Ag, Food & Nat. Res.	82	77	45
Patricia Hannaford Career Ctr	*PTF Sci., Tech., Eng. & Math	48	49	46
Randolph Technical Career Ctr	Environmental Technology	16	**	**
Randolph Technical Career Ctr	Business-Management	13	**	**
Randolph Technical Career Ctr	Diesel/Truck Mechanic	12	**	**
Randolph Technical Career Ctr	Law Enforcement	16	**	**
Randolph Technical Career Ctr	Design Visual Communication	13	**	**
Randolph Technical Career Ctr	Diversified Agriculture	15	12	**
Randolph Technical Career Ctr	Construction	14	13	**
Randolph Technical Career Ctr	Culinary Arts	11	15	11
Randolph Technical Career Ctr	Human Services	14	**	13
Randolph Technical Career Ctr	Video Production	11	11	13
Randolph Technical Career Ctr	Health Careers	13	14	15
Randolph Technical Career Ctr	Automotive Technology	15	15	16
Randolph Technical Career Ctr	Z-International Business	**	-	-

River Bend Career & Tech Ctr	*PTF Hospitality & Tourism	**	-	**
River Bend Career & Tech Ctr	*PTF Human Services	-	-	**
River Bend Career & Tech Ctr	*PTF Arch. & Construction	**	-	**
River Bend Career & Tech Ctr	*PTF Arts, A/V Tech. & Comm.	**	**	**
River Bend Career & Tech Ctr	Emergency & Fire Mgmt.	13	15	**
River Bend Career & Tech Ctr	Cosmetology	14	15	12
River Bend Career & Tech Ctr	Gaming, Animation & Web Design	20	14	14
River Bend Career & Tech Ctr	Law Enforcement	-	-	14
River Bend Career & Tech Ctr	Culinary Arts	13	20	16
River Bend Career & Tech Ctr	*Pre-Tech Exploratory	29	23	16
River Bend Career & Tech Ctr	Diversified Agriculture	14	14	17
River Bend Career & Tech Ctr	Heavy Equipment	21	23	19
River Bend Career & Tech Ctr	Construction	**	13	21
River Bend Career & Tech Ctr	Automotive Technology	23	26	21
River Bend Career & Tech Ctr	Health Careers	17	21	25
River Bend Career & Tech Ctr	Z-*PTF Transportation	**	-	-
River Bend Career & Tech Ctr	Z-*PTF Law, Pub. Safety & Sec.	**	-	-
River Bend Career & Tech Ctr	Z-Electrician	13	-	-
River Valley Technical Center	*PTF Ag, Food & Nat. Res.	**	**	**
River Valley Technical Center	Engineering	**	**	**
River Valley Technical Center	Business-General	21	14	**
River Valley Technical Center	*PTF Hospitality & Tourism	20	18	**
River Valley Technical Center	Horticulture	21	23	13
River Valley Technical Center	*PTF Law, Pub. Safety & Sec.	**	**	14
River Valley Technical Center	*PTF Health Science	15	20	14
River Valley Technical Center	Culinary Arts	36	36	15
River Valley Technical Center	*PTF Arch. & Construction	16	14	17
River Valley Technical Center	Computer Network Mgmt.	21	15	18

River Valley Technical Center	Human Services	25	19	18
River Valley Technical Center	Construction	**	16	19
River Valley Technical Center	*Pre-Tech Exploratory	34	16	19
River Valley Technical Center	Law Enforcement	24	23	21
River Valley Technical Center	*PTF Manufacturing	22	25	21
River Valley Technical Center	Industrial Maintenance	22	25	26
River Valley Technical Center	Video Production	42	40	28
River Valley Technical Center	Health Careers	22	26	34
River Valley Technical Center	Z-*PTF Business & Marketing	**	**	-
River Valley Technical Center	Z-*PTF Information Technology	**	11	-
River Valley Technical Center	Z-*PTF Arts, A/V Tech. & Comm.	23	26	-
Stafford Technical Center	Business-Marketing	**	**	**
Stafford Technical Center	Construction	13	14	**
Stafford Technical Center	Auto Body Repair	13	15	**
Stafford Technical Center	Human Services	14	16	**
Stafford Technical Center	Video Production	11	11	12
Stafford Technical Center	Forestry/Natural Resources	12	15	13
Stafford Technical Center	Health Careers	20	17	14
Stafford Technical Center	Engineering	21	18	14
Stafford Technical Center	Law Enforcement	14	14	16
Stafford Technical Center	Automotive Technology	15	15	16
Stafford Technical Center	Electrician	15	17	16
Stafford Technical Center	Cosmetology	26	26	18
Stafford Technical Center	Animation & Web Design	22	23	19
Stafford Technical Center	Culinary Arts	16	16	20
Stafford Technical Center	Agricultural Mechanics	17	22	22
Stafford Technical Center	Z-Performing Arts - Recording Arts/Music	**	-	-
SW VT Career Development Ctr	*PTF Manufacturing	31	26	**

SW VT Career Development Ctr	Performing Arts - Theater	17	13	12
SW VT Career Development Ctr	*PTF Hospitality & Tourism	15	15	12
SW VT Career Development Ctr	Business-Management	12	22	13
SW VT Career Development Ctr	*PTF Transportation	15	13	14
SW VT Career Development Ctr	Culinary Arts	17	21	16
SW VT Career Development Ctr	Video Production	18	18	18
SW VT Career Development Ctr	Forestry/Natural Resources	19	23	22
SW VT Career Development Ctr	Precision Machining Technology	22	**	25
SW VT Career Development Ctr	Business-Financial Support Occ.	26	45	29
SW VT Career Development Ctr	Human Services	17	15	30
SW VT Career Development Ctr	Cosmetology	25	15	30
SW VT Career Development Ctr	Automotive Technology	26	30	30
SW VT Career Development Ctr	*PTF Business & Marketing	42	30	30
SW VT Career Development Ctr	Law Enforcement	12	12	32
SW VT Career Development Ctr	Construction	26	23	33
SW VT Career Development Ctr	*PTF Law, Pub. Safety & Sec.	54	81	36
SW VT Career Development Ctr	Health Careers	20	26	39
SW VT Career Development Ctr	Z-*PTF Arts, A/V Tech. & Comm.	**	**	-
SW VT Career Development Ctr	Z-*PTF Arch. & Construction	**	32	-
SW VT Career Development Ctr	Z-*PTF Health Science	48	55	-
SW VT Career Development Ctr	Z-Computer Network Mgmt.	**	-	-
SW VT Career Development Ctr	Z-*PTF Information Technology	13	-	-
SW VT Career Development Ctr	Z-*PTF Ag, Food & Nat. Res.	15	-	-
SW VT Career Development Ctr	Z-Business-Marketing	**	**	
Windham Regional Career Ctr	Drafting & Design	31	**	
Windham Regional Career Ctr	Performing Arts - Theater	13	**	
Windham Regional Career Ctr	Forestry/Natural Resources	24	**	
Windham Regional Career Ctr	Law Enforcement	18	15	

Windham Regional Career Ctr	Video Production	15	16	
Windham Regional Career Ctr	Automotive Technology	19	16	
Windham Regional Career Ctr	Horticulture	33	21	
Windham Regional Career Ctr	Emergency & Fire Mgmt.	21	22	
Windham Regional Career Ctr	Construction	24	23	
Windham Regional Career Ctr	*PTF Human Services	19	30	
Windham Regional Career Ctr	Electrical Engineering Tech.	48	32	
Windham Regional Career Ctr	*PTF Ag, Food & Nat. Res.	**	33	
Windham Regional Career Ctr	*PTF Transportation	27	33	
Windham Regional Career Ctr	*PTF Arch. & Construction	22	36	
Windham Regional Career Ctr	Performing Arts-Dance	25	36	
Windham Regional Career Ctr	Engineering Technician	23	43	
Windham Regional Career Ctr	Culinary Arts	40	55	
Windham Regional Career Ctr	Health Careers	53	61	
Windham Regional Career Ctr	Business-General	86	69	
Windham Regional Career Ctr	*PTF Sci., Tech., Eng. & Math	**		

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26. **Technical education** - means any career and technical education programming designed to teach the academic, workplace, and occupational skills necessary for employment.
28. **Tech prep** - means a curriculum that (a) includes a secondary and post-secondary or apprenticeship curriculum, (b) involves up to two years of secondary programming and two years of post-secondary programming, (c) blends high level academic and technical courses, (d) culminates with an associate degree or a certificate after the completion of the post-secondary portion of the curriculum, and (e) emphasizes career planning and development that leads to employment.
29. **Tuition** - means an amount assessed to school districts based on the six semester average FTE enrollment from those towns to cover the costs of providing technical education that is not covered by federal, state or other sources of funds.

2371 Entitlement to Technical Education

1. An individual is entitled to enroll in and complete a technical education program of part-time or full-time duration if the individual:
 - A. is at least in the 11th grade in a graded school or is at least 16 in a non-graded situation
 - B. does not have a high school diploma
 - C. applies for the program, and
 - D. meets the admissions criteria set forth in the admissions policies of the technical center and the technical education program and is accepted in the program.
2. A student who is in the 10th grade may with the support of the sending school request admission to a technical center from the school offering the program. The school offering the program can admit the student if there is space available and if it is determined that the student has the maturity to successfully participate in the technical education program and meets admissions criteria.
3. Technical education programs shall not be available to students below age 16 in a non-graded educational setting or below the 10th grade without the prior approval of the commissioner.
4. Students in the 9th and 10th grades or below the age of 16 in a non-graded educational setting may be enrolled in pre-tech programs at the discretion of their sending school or, in the case of students not enrolled in public education, at the discretion of the school district in which they reside.
5. Students who have completed a technical education program may enroll in additional

technical education programming at the discretion of their sending schools if it is judged to best meet their career preparation needs and they are accepted by the technical center or comprehensive high school.

6. Enrollment in a high school shall not be a precondition for a student without a diploma to enroll in a technical education center. When a student who is not enrolled in a secondary school applies directly to and is accepted by a technical center, the school district of residence shall be notified within 10 days of acceptance. Funding for this enrollment shall be in accordance with existing statute.
7. The technical center shall provide program information to potential students within its region listing admissions requirements, employment opportunities, and other relevant information to assist the student in making a decision to enroll. Sending schools shall provide a reasonable opportunity for technical centers and comprehensive high schools to inform students in grades 7 through 12 of the educational opportunities available to them in the region.
8. A student's regular high school schedule or program shall be adjusted as necessary to ensure that there are not barriers to enrolling in a technical education program. Graduation requirements in excess of state minimum requirements shall be adjusted when, through no fault of the student, they present a barrier to enrollment in the technical education program of the student's choice.

2372. Statewide provision of technical education

1. Provision of technical education
Technical education shall be provided statewide through seventeen service regions. Each service region shall be served by a technical center(s) and/or comprehensive high school(s). Before a school operates a technical education program(s), it shall obtain the support of the regional board overseeing technical education in the region and approval from the state board. All technical education programs approved by the state board shall be accessible to all students within the region and the state as stipulated by these regulations.