

An Overview of Career and Technical Education in Minnesota

Prepared for Minnesota Senate E-12 Committee
January 30, 2017 and February 1, 2017



Career and Technical Education in Minnesota

A collaboration of Minnesota State and Minnesota Department of Education

OUR GOALS

- Develop Rigorous Programs of Study and Career Pathways.
- Partner with business, industry, and local communities.
- Improve services to special populations.
- Provide a continuum of service and transitions for students.
- Sustain the 26 consortia of school districts and public 2 year colleges.

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CELEBRATING STUDENT SUCCESS

246,772

Combined Minnesota high school and college students enrolled in career and technical education (CTE) courses in 2016.

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CELEBRATING STUDENT SUCCESS

SECONDARY

92% 4-year graduation rate for all CTE concentrators (Students who complete 240 CTE course hours within one career field).

67% CTE concentrators who graduate and go on to enroll in college.

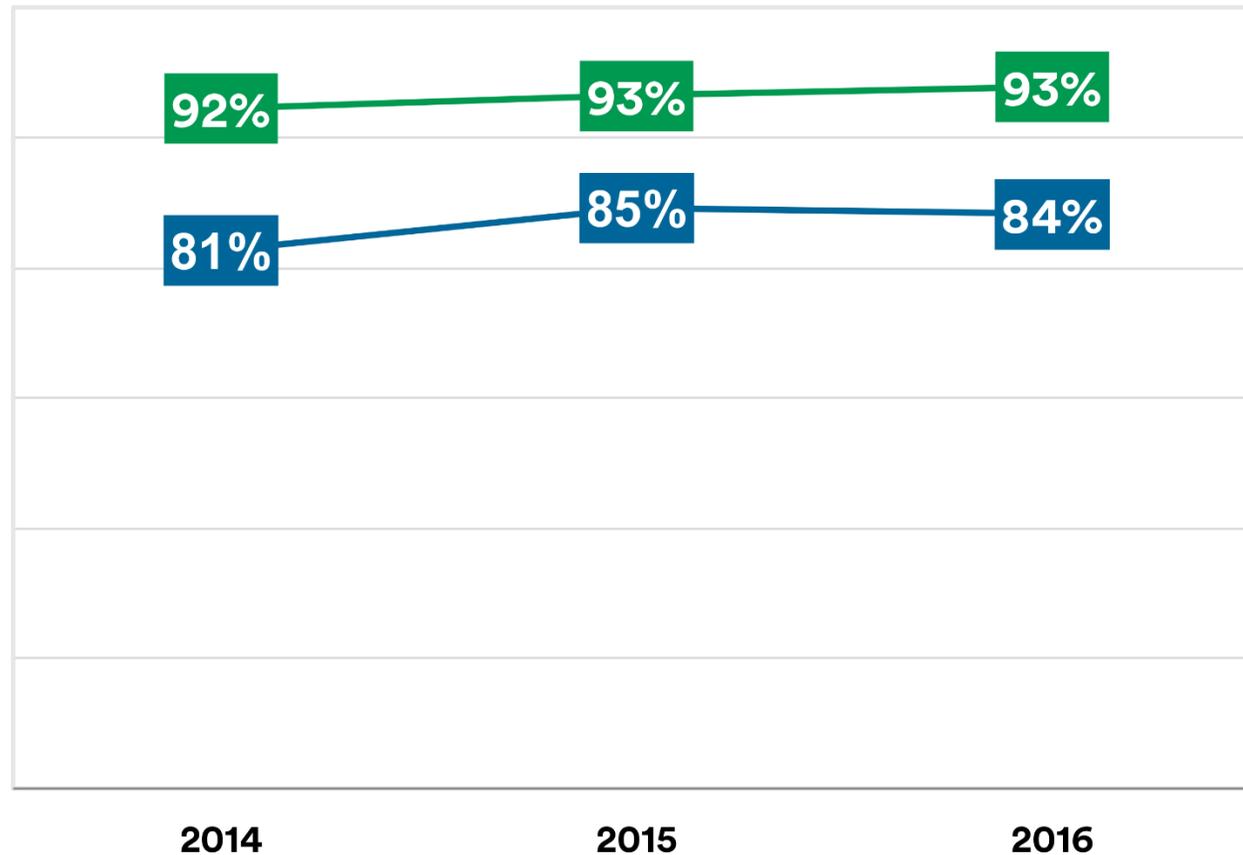
POSTSECONDARY

80% College student CTE concentrators who graduated or continued their education.

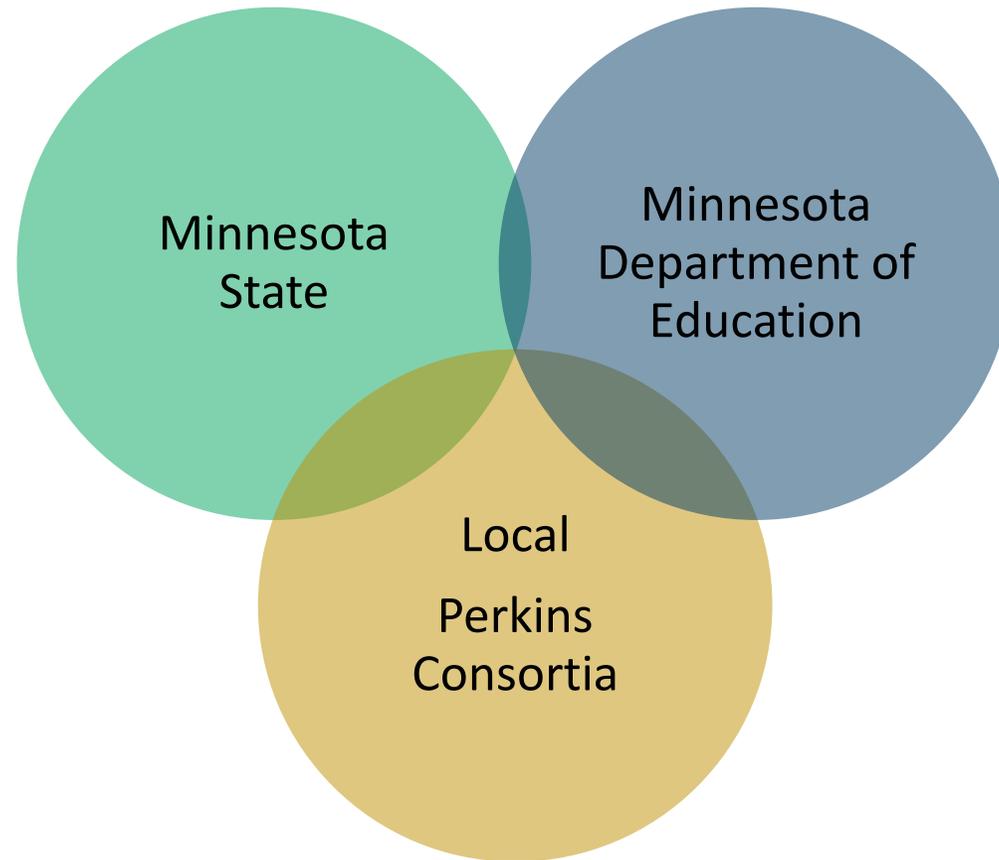
85% College students placed or retained in employment by the end of the 2nd quarter following the year they completed a CTE program.

HIGH SCHOOL CTE STUDENTS 4-YEAR GRADUATION RATES

- CTE: White Students
- CTE: Students of Color

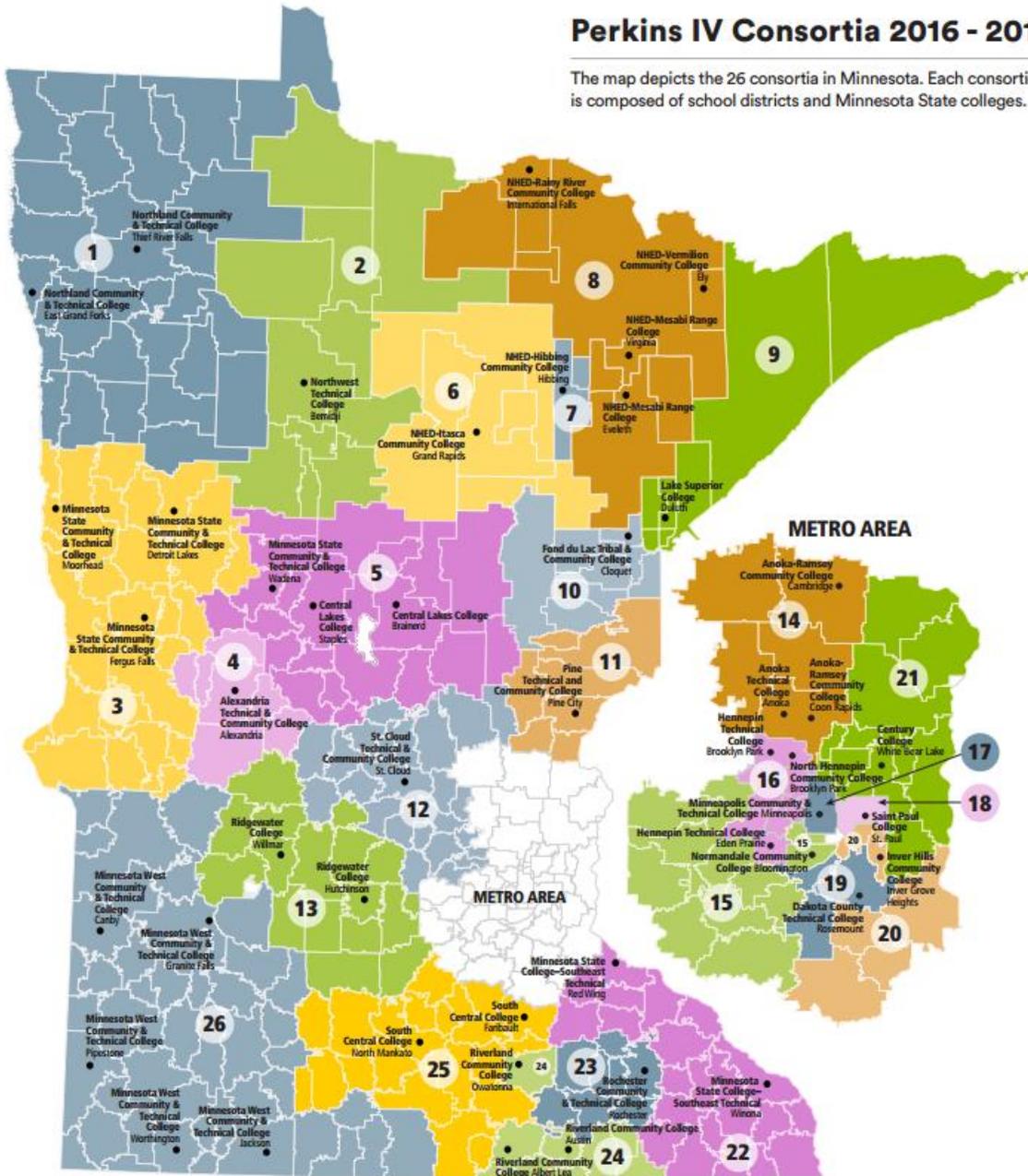


Perkins Funding & Administration Model



Perkins IV Consortia 2016 - 2017

The map depicts the 26 consortia in Minnesota. Each consortium is composed of school districts and Minnesota State colleges.



26 Consortia

Minneapolis

- 1 college + 1 district
- 7 high schools

St. Paul

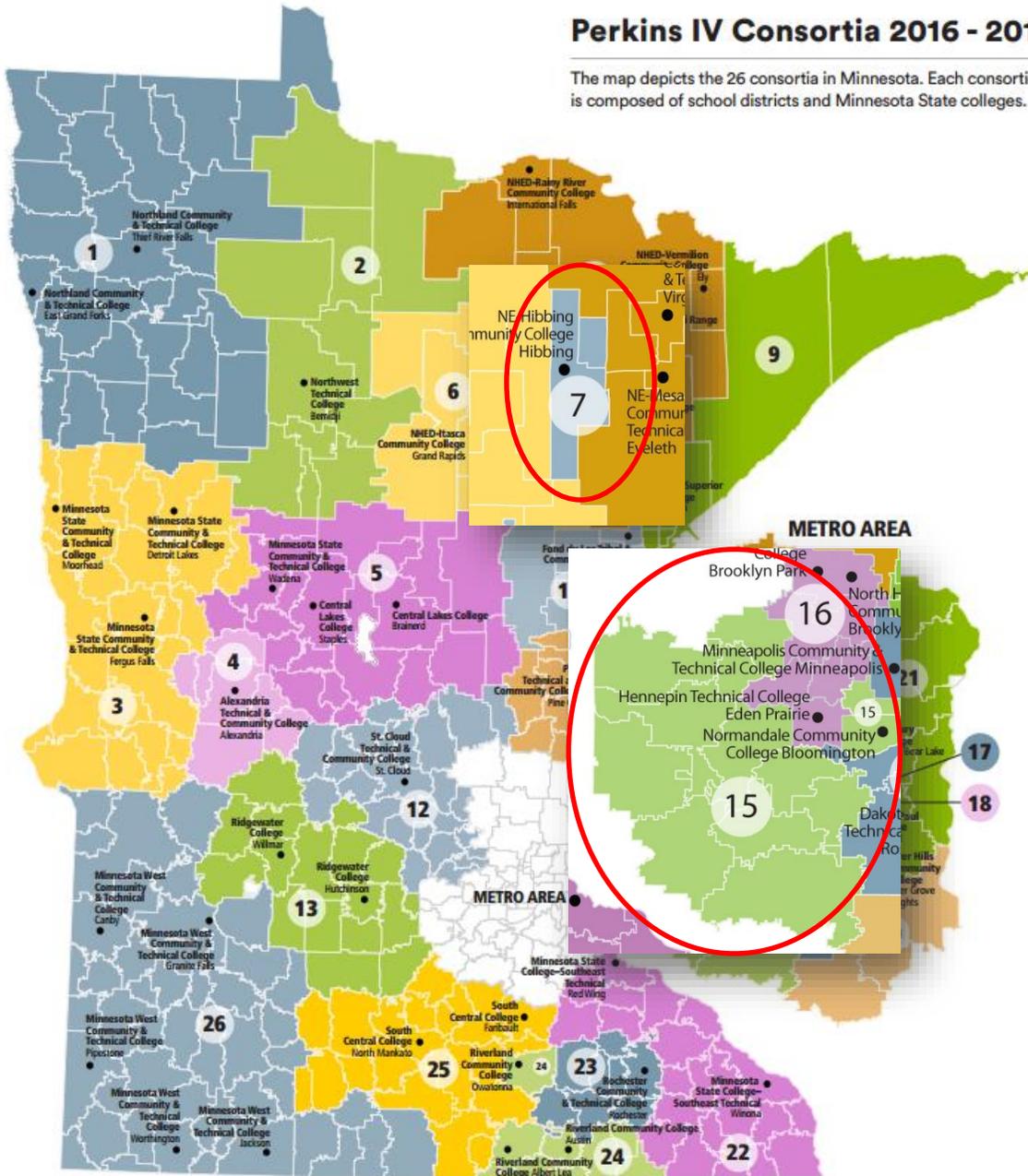
- 1 college + 1 district
- 8 high schools

Minnesota West

- 1 college (5 campuses) + 43 districts

Perkins IV Consortia 2016 - 2017

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Funding Awards

Average \$545,450

Lowest \$116,420

Highest \$1,476,544

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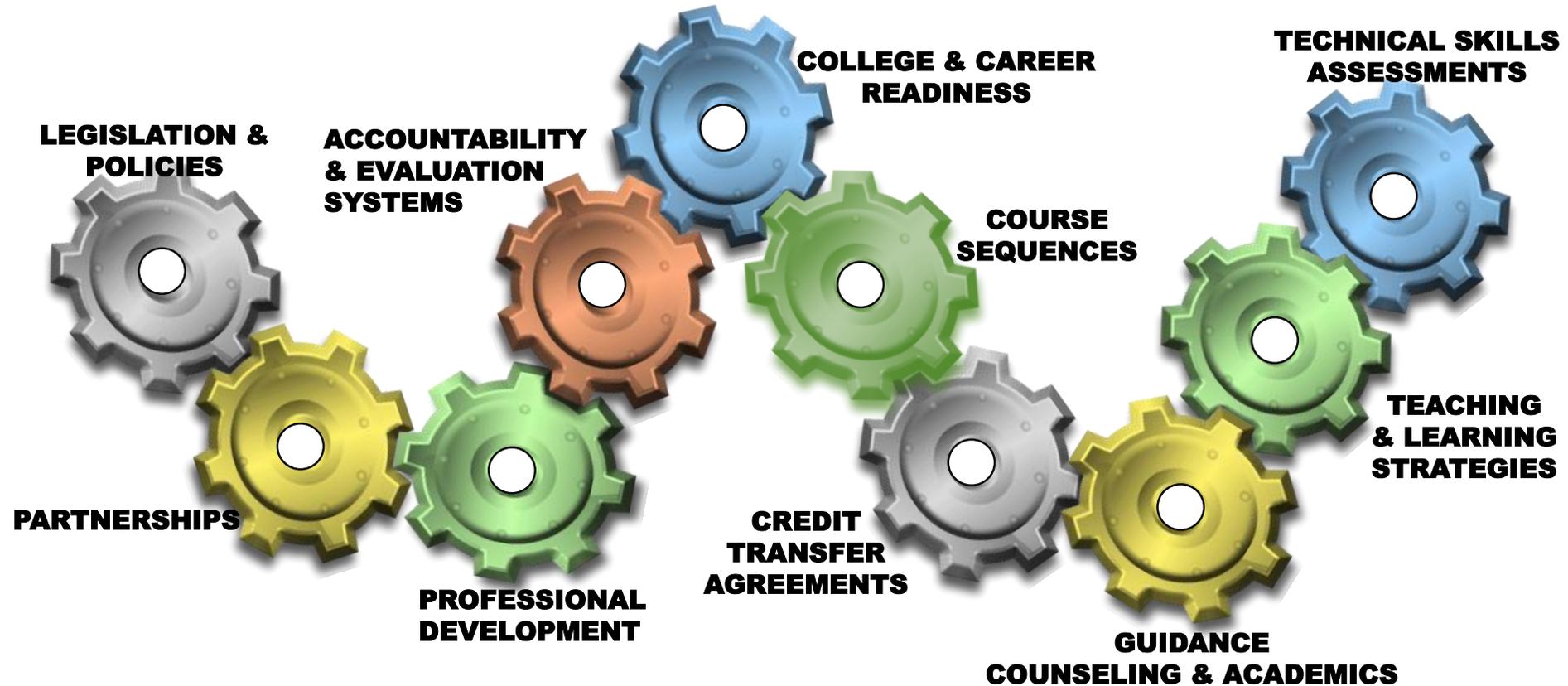
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Minnesota Career Fields, Clusters & Pathways



Rigorous Program of Study Components



State of the State

Secondary CTE Programs

81% of districts serving 9th-12th graders offer 1+ Approved CTE programs
FY 16: (343/423)

Secondary CTE Students

50% of high school students enrolled in 1+ CTE course (FY16)

FY16: (131,764/265,651)

29% of students taking 1+ CTE course were Concentrators (FY16)

Concentrators = *students who successfully complete 240+ CTE course hours*

FY16: (37,589/131,764)

67.1% of CTE Concentrators enrolled in some form of postsecondary education 1st semester after graduating

28.8% enroll in a 2-year institution

38.3% enroll in a 4-year institution

State of the State

Secondary CTE Programs (FY16)

	Number of Secondary Districts offering Approved Programs by Content Area	Number of Students Enrolled in 1+ CTE Courses (FY16)	Number of Courses Taken by CTE Concentrators (FY16)
Agriculture	189	21,043	10,219
Business/Marketing	252	58,064	26,573
FACS	249	50,200	20,690
Health Occupations	61	4,064	1,977
Trade & Industry (Total)	(236)	51,245	29,812
-Communications	112	18,466	9,236
-Construction	187	15,581	9,331
-Manufacturing	124	8,559	5,997
-Transportation	123	8,639	5,248
Work-Based Learning	203	8,335	5,141

Improving Services to Special Populations

Overarching Goal: Ensure equitable services, access, and opportunities for all students

- Funded Leadership Initiatives
- Technical Assistance & Professional Development
- Partnership with Community Initiatives
- Partnership with CTSO
- Partnership with other state agency initiatives

Perkins IV Consortium Accountability Indicators

Secondary Indicators	Postsecondary Indicators
1S1 Academic Attainment in Reading/Language Arts	
1S2 Academic Attainment in Mathematics	
2S1 Technical Skill Attainment	1P1 Technical Skill Attainment
3S1 School Completion	2P1 Credential, Certificate or Degree
4S1 Student Graduation Rates	3P1 Student Retention or Transfer
5S1 Placement	4P1 Student Placement
6S1 Nontraditional Participation	5P1 Nontraditional Participation
6S2 Nontraditional Completion	5P2 Nontraditional Completion

Overall Strengths and Challenges

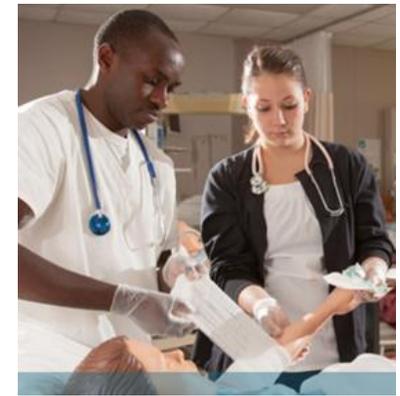
- Strength

- Student Success
- Partnerships
- Consortium Structure
- Foundation Knowledge and Skills
- Changing Lives

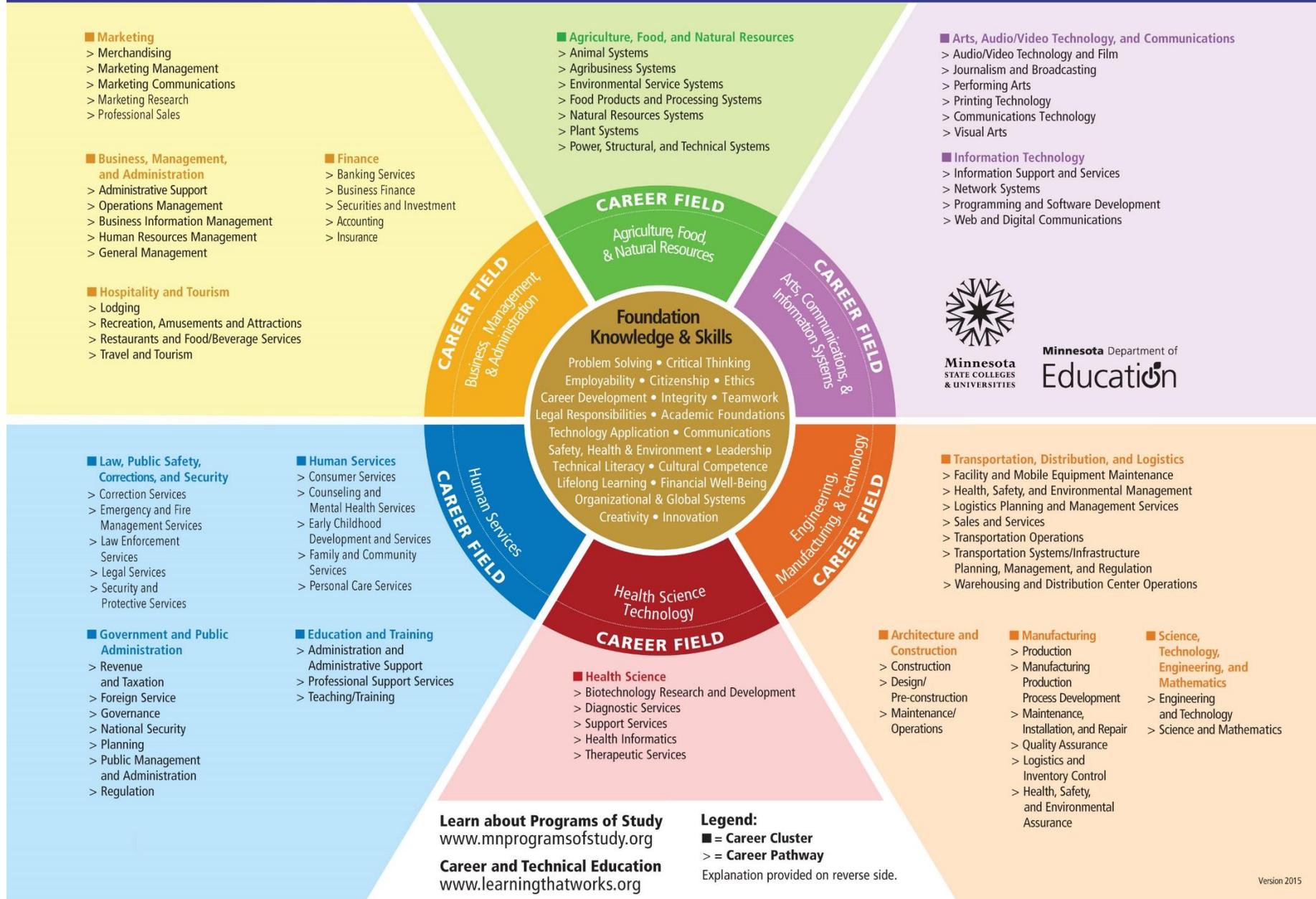
- Challenges

- Funding
- Licensure
- Equipment and Facilities
 - Replacement and new
- Schedules and local district graduation requirements
- Access
 - Matching student interest with program availability.

Consortia Highlights



Minnesota Career Fields, Clusters & Pathways



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