An Overview of Career and Technical Education in Minnesota

Prepared for Minnesota Senate E-12 Committee
January 30, 2017 and February 1, 2017
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.
Career and Technical Education in Minnesota
A collaboration of Minnesota State and Minnesota Department of Education

CELEBRATING STUDENT SUCCESS

246,772

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

<table>
<thead>
<tr>
<th>Year</th>
<th>CTE: White Students</th>
<th>CTE: Students of Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>92%</td>
<td>81%</td>
</tr>
<tr>
<td>2015</td>
<td>93%</td>
<td>85%</td>
</tr>
<tr>
<td>2016</td>
<td>93%</td>
<td>84%</td>
</tr>
</tbody>
</table>
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
Funding Awards

Average $545,450
Lowest $116,420
Highest $1,476,544
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Rigorous Program of Study Components

- Legislation & Policies
- Accountability & Evaluation Systems
- Partnerships
- Professional Development
- Course Sequences
- Credit Transfer Agreements
- College & Career Readiness
- Technical Skills Assessments
- Teaching & Learning Strategies
- Guidance Counseling & Academics
- Technical Skills Assessments
- Teaching & Learning Strategies
- Rigorous Program of Study Components

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

<table>
<thead>
<tr>
<th>Secondary Indicators</th>
<th>Postsecondary Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>1S1 Academic Attainment in Reading/Language Arts</td>
<td></td>
</tr>
<tr>
<td>1S2 Academic Attainment in Mathematics</td>
<td></td>
</tr>
<tr>
<td>2S1 Technical Skill Attainment</td>
<td>1P1 Technical Skill Attainment</td>
</tr>
<tr>
<td>3S1 School Completion</td>
<td>2P1 Credential, Certificate or Degree</td>
</tr>
<tr>
<td>4S1 Student Graduation Rates</td>
<td>3P1 Student Retention or Transfer</td>
</tr>
<tr>
<td>5S1 Placement</td>
<td>4P1 Student Placement</td>
</tr>
<tr>
<td>6S1 Nontraditional Participation</td>
<td>5P1 Nontraditional Participation</td>
</tr>
<tr>
<td>6S2 Nontraditional Completion</td>
<td>5P2 Nontraditional Completion</td>
</tr>
</tbody>
</table>
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
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A collaboration of Minnesota State and Minnesota Department of Education

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