

Aligning Learning with Livelihood: The Future Has Arrived

Luke Greiner

Labor Market Analyst

Labor Market Information Office

Department of Employment and Economic Development

LMI, All Day Everyday

The Case for Career AND Technical Education

- Central Minnesota's economy finally recovered this spring
 - Employers were still posting historically large numbers of openings as of 2023
- Labor force growth over the next decade is projected to be similar to the growth we had in the 2010's (+5.9%)
- College costs remain too high to use the experience as a career exploration activity
- Students gain the skills and experiences that allow them to earn higher wages
- Students overwhelmingly are interested in what people do on the job

Figure 2. Openings for Total, All Occupations in Central Minnesota

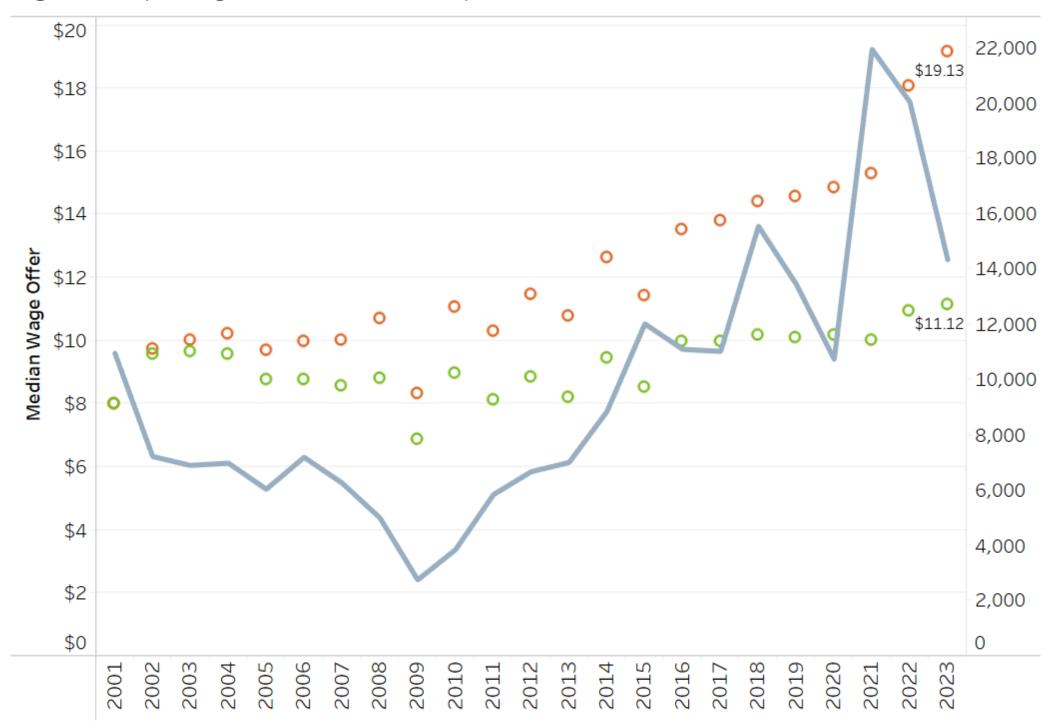
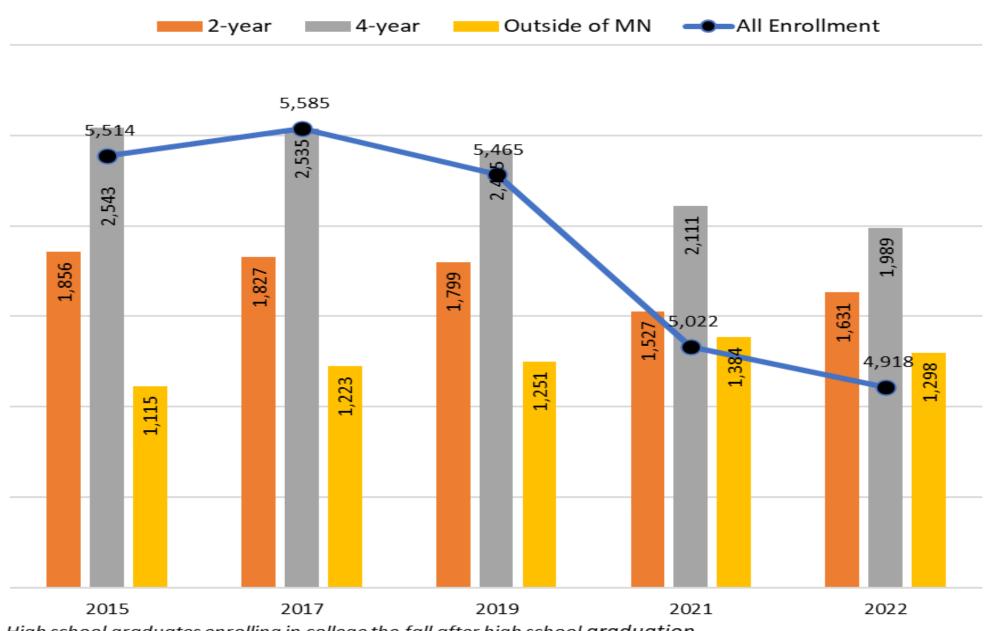


Figure 1. Central Minnesota College Enrollment Trends For Recent High School Graduates

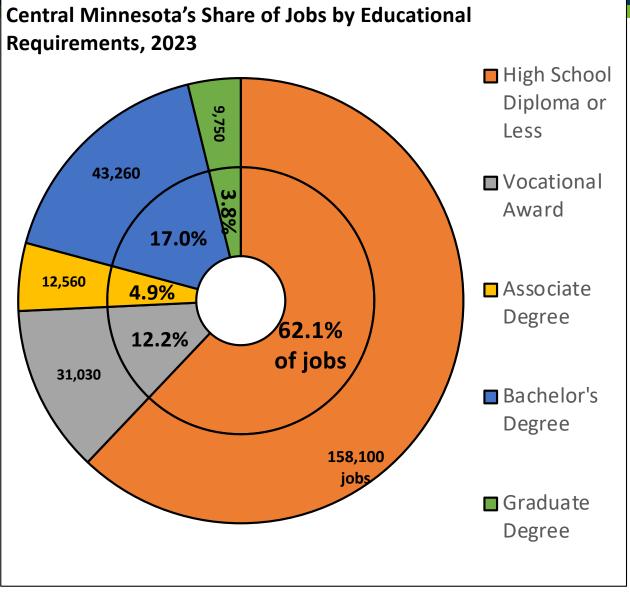


High school graduates enrolling in college the fall after high school graduation Source: MN SLEDS

You are an influencer

- How are we framing career opportunities?
- How do we think and talk about our communities?

Do we encourage deciding an education or a career path first?



The Burden of Career Decision Making Has Moved... Younger



Major Matters New Research to Help Think Through the Value Proposition

• https://mn.gov/deed/newscenter/publications/trends/september-

2023/popular.jsp

- This article assesses postsecondary instructional program outcomes based on median wage and estimated net income, seven years post-graduation.
- The article describes how students, parents/guardians, educators, career counselors and others can utilize data in an interactive tool developed by DEED's Labor Market Information office to compare outcomes by instructional program.

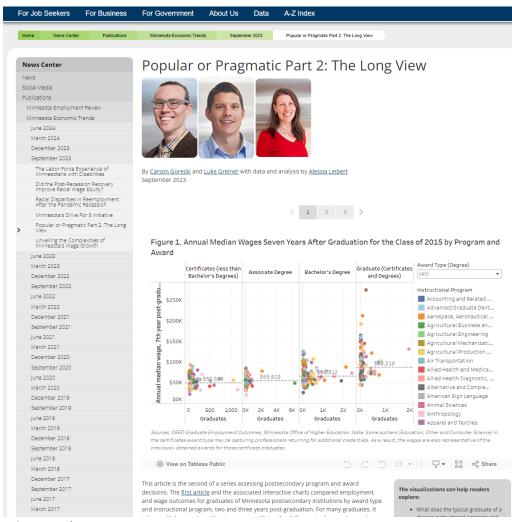
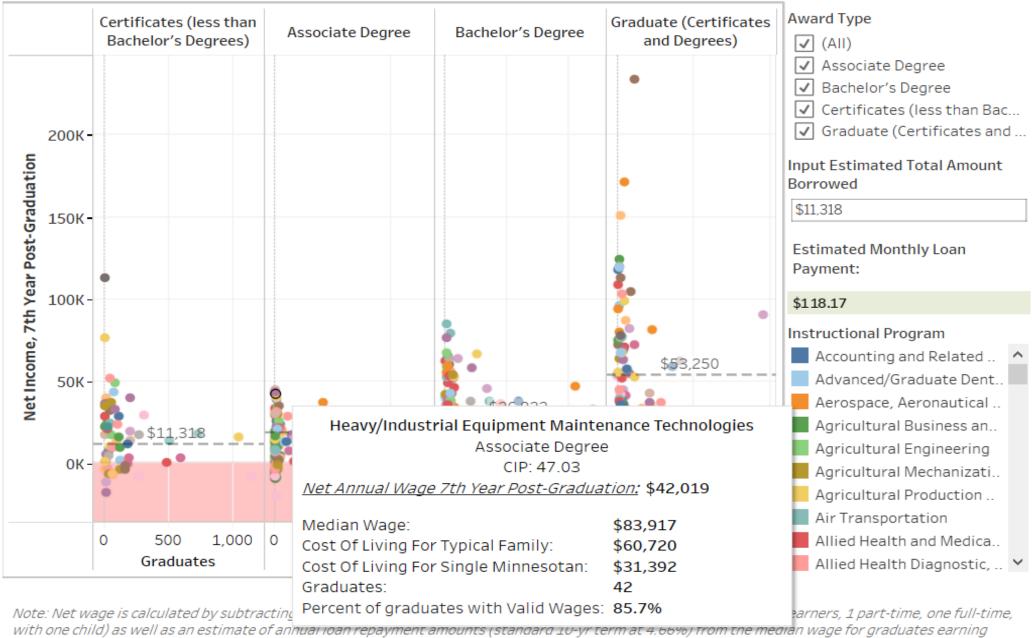


Figure 2. Estimated Annual Net Income Seven Years After Graduation, Class of 2015



with one child) as well as an estimate of annual loan repayment amounts (standard 10-yr term at 4.66%) from the median wage for graduates earning wages in Minnesota 7 years after graduation. Users may input their total amount borrowed. The cumulative average median debt by award type for 2015 graduates is shown for reference. You may enter an estimate of your own cumulative debt to change the net income calculation in the chart. The monthly payment is calculated from the input amount. Sources: DEED Graduate Employment Outcomes, DEED Cost of Living, and Minnesota Office of Higher Education.

Pathways Lead to Jobs, Some Need College, Some Don't

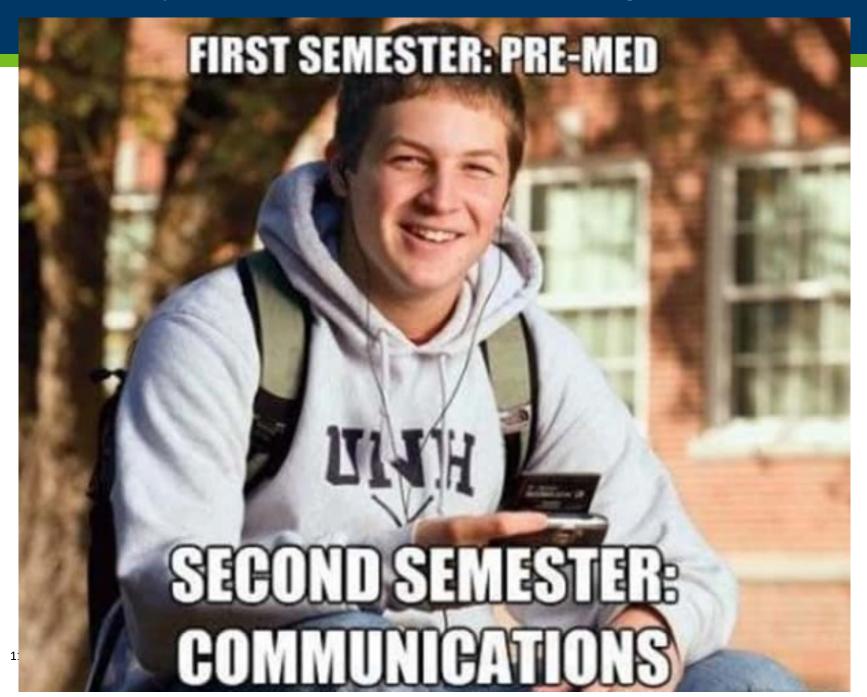
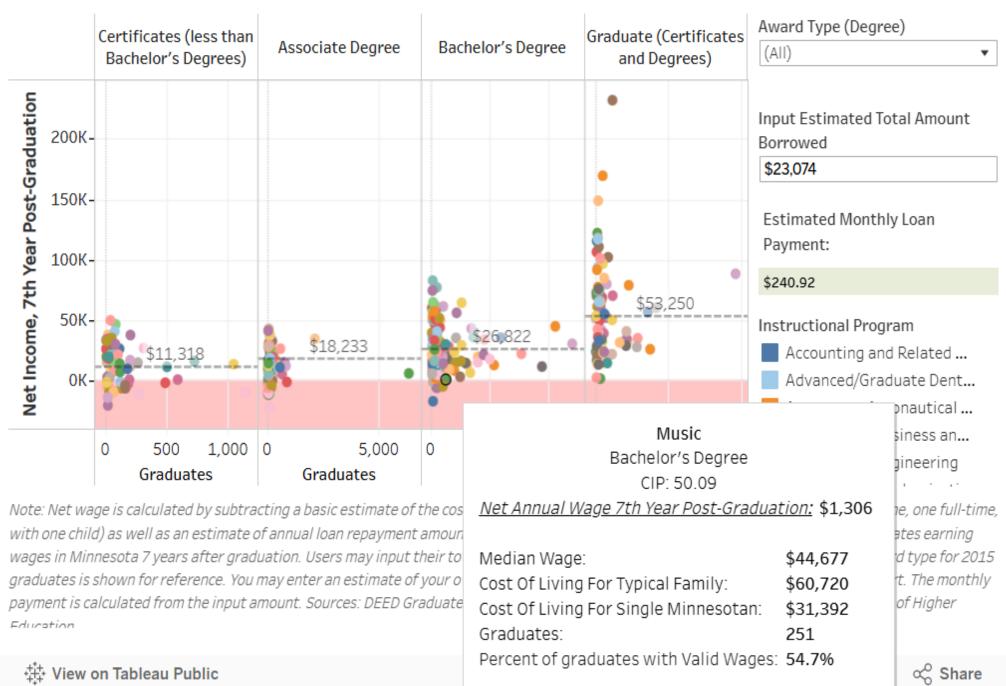
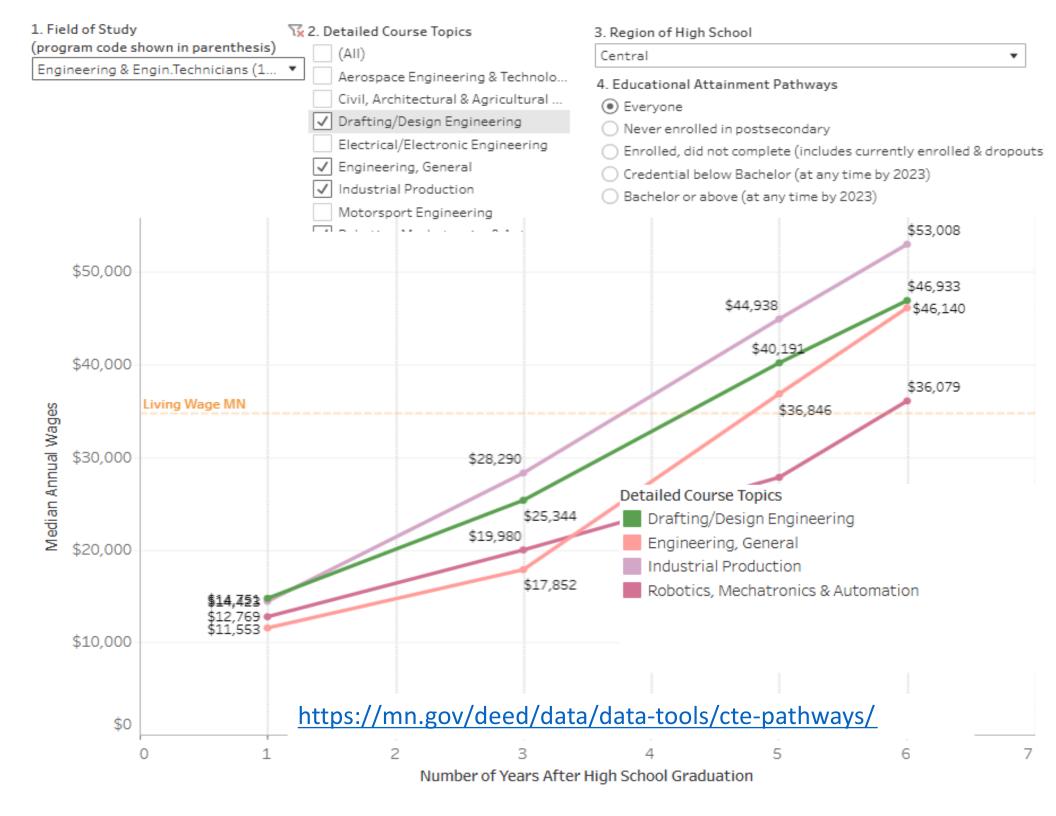


Figure 2. Estimated Annual Net Income Seven Years After Graduation, Class of 2015





11/22/24



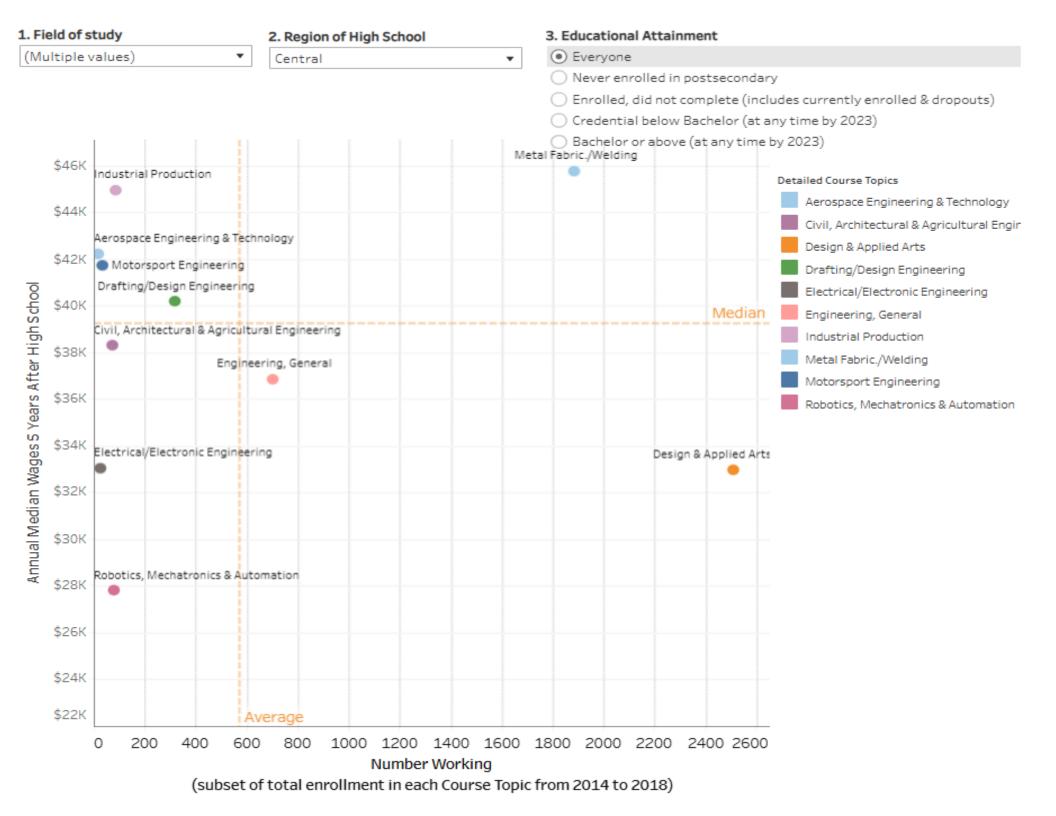
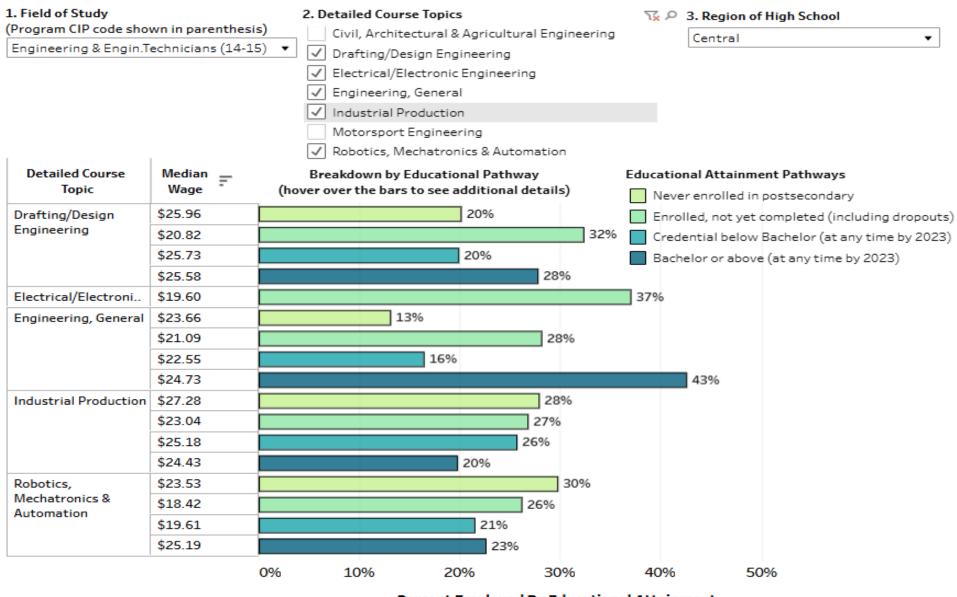


Figure 2- Educational Pathways Five Years after High School

Instructions: Select a Field of Study, then use the Detailed Course Topics menu to narrow the selection. CTE programs differ widely in their potential to help students earn good wages without a postsecondary education, as well as in their potential to prepare students for success in college. Use these interactive charts to explore which programs best prepare students for the workforce without postsecondary credentials and those that are best paired up with a postsecondary credential.

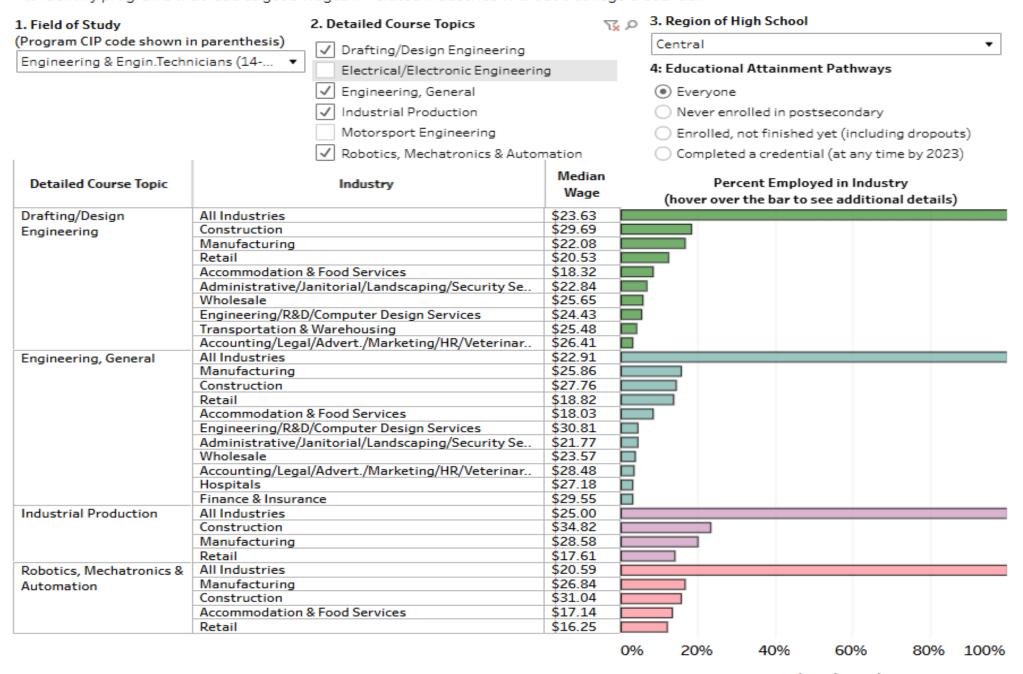


Percent Employed By Educational Attainment

The data represent students who graduated from a public high school in MN between 2014 and 2018, took at least 100 hours of instruction in Career & Technical Education (CTE) and a minimum of 58 hours of instruction in a single Course Topic, and were employed in MN six years after high school. Fields of study were grouped into 18 categories corresponding to 2-digit CIP codes

Figure 3- Industry Pathways Five Years After High School

Instructions: Select a Field of Study, then use the Detailed Course Topics menu to narrow the selection. For example, 22% of students who took courses in Construction were employed in the Construction industry five years after high school. Use the Educational Attainment filter to identify programs that lead to good wages in related industries without a college credential.



CTE Doesn't Just Happen

- Who is missing from these conversations at your local district?
- How can we ensure that everyone is on board, remember influencers are everywhere.
- Do your students know what the value of high school is?
 - Are we connecting the dots?
 - Ever heard of P2C? p2c.org/

CTE can be bigger than a funding mechanism



Thank You!



Luke Greiner

Labor Market Analyst, Labor Market Information Office

Department of Employment and Economic Development

<u>Luke.greiner@state.mn.us</u>

320-223-6992