



PATHWAY 2 CAREERS



- Monitor growth in Algebra I and Geometry skills.
- Align student measures with career accessibility.
- Use Quantile measures for each student to assess readiness for math instruction.
- Inform students of careers they are prepared to access using the Quantile Career Database.



MetaMetrics®

Pathway2Careers Math Assessments

Algebra I and Geometry

Powered by the Quantile Framework®

The Pathway2Careers (P2C) math assessments for Algebra I and Geometry provide students with a Quantile measure that indicates the skills and concepts they are ready to learn. This information allows educators to more easily align instruction and educational materials with a student's current skill level. The P2C assessments also provide the ability to track students' mathematics growth with multiple assessments throughout the year – beginning, middle, and end. As a student's Quantile measure increases, so does their readiness to learn progressively complex mathematical concepts. The degree of change that students demonstrate can indicate their success in acquiring more advanced math skills as a result of their learning experiences.



QUANTILE
CAREER DATABASE

In addition to the Quantile measure for students, the P2C math assessments provide access to the Quantile Career Database. This database, created by MetaMetrics (developer of the Quantile Framework®), consists of hundreds of Quantile-measured occupations. Using their Quantile measure from the P2C math assessments, students can review occupations for which they are mathematically prepared to access. The purpose of the database is to provide a critical point of connection for students, allowing them to see how their learning applies to their current and future employment potential. With this awareness, students can better prepare for the realities of today, as well gain inspiration to acquire skills for the future.



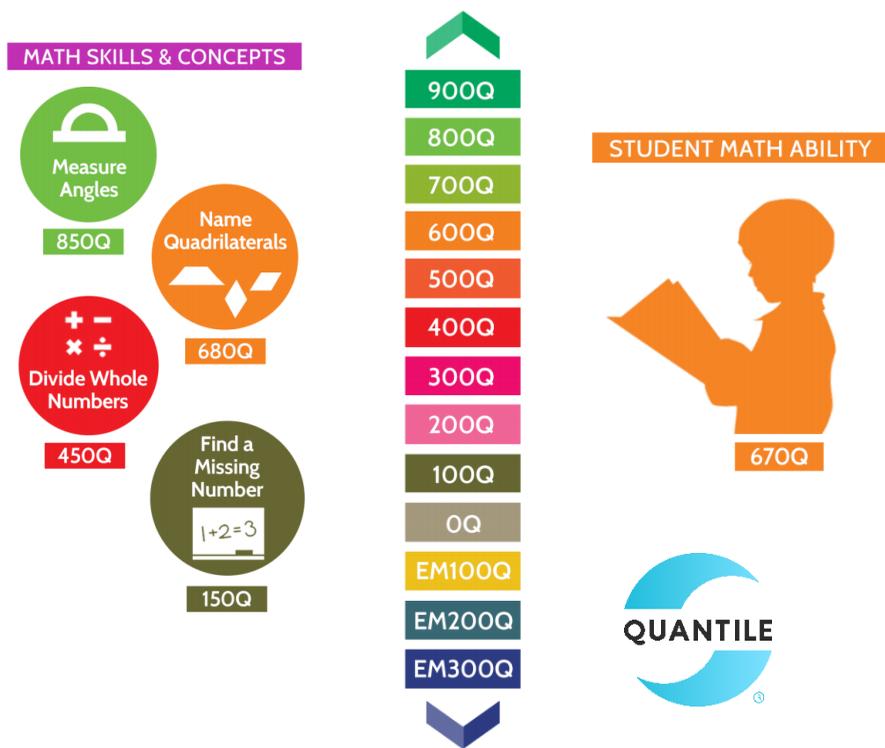
PATHWAY 2 ALGEBRA
Education with Destination



PATHWAY 2 GEOMETRY
Education with Destination

Visit curriculum.pathway2careers.com to learn more about the P2A and P2G career-focused curriculum.

- Identify the mathematical skills that a student is ready to learn.
- Target instruction with level-appropriate tasks and materials.
- Monitor math growth over time.
- Analyze math ability in relationship to career readiness.



Understanding Quantile Measures

- The Quantile scale ranges from Emerging Mathematician (0Q) to above 1600Q. Each numeric value within the scale, referred to as a Quantile measure, is representative of a student’s overall mathematical ability.
- A student’s Quantile measure indicates the progress made in learning math content and what new math content they may be ready to learn.
- As a student’s Quantile measure increases, the mathematics concepts they are ready to learn become more complex.

Quantile Measures and Career Preparedness

Sample Database Search for *Computer Systems Analysts*

Career Information

Bright Outlook [?]	Years of Education [?]	SOC Code [?]	Field(s)
No	16	15-121.00	Information Technology

Quantile Information [?]

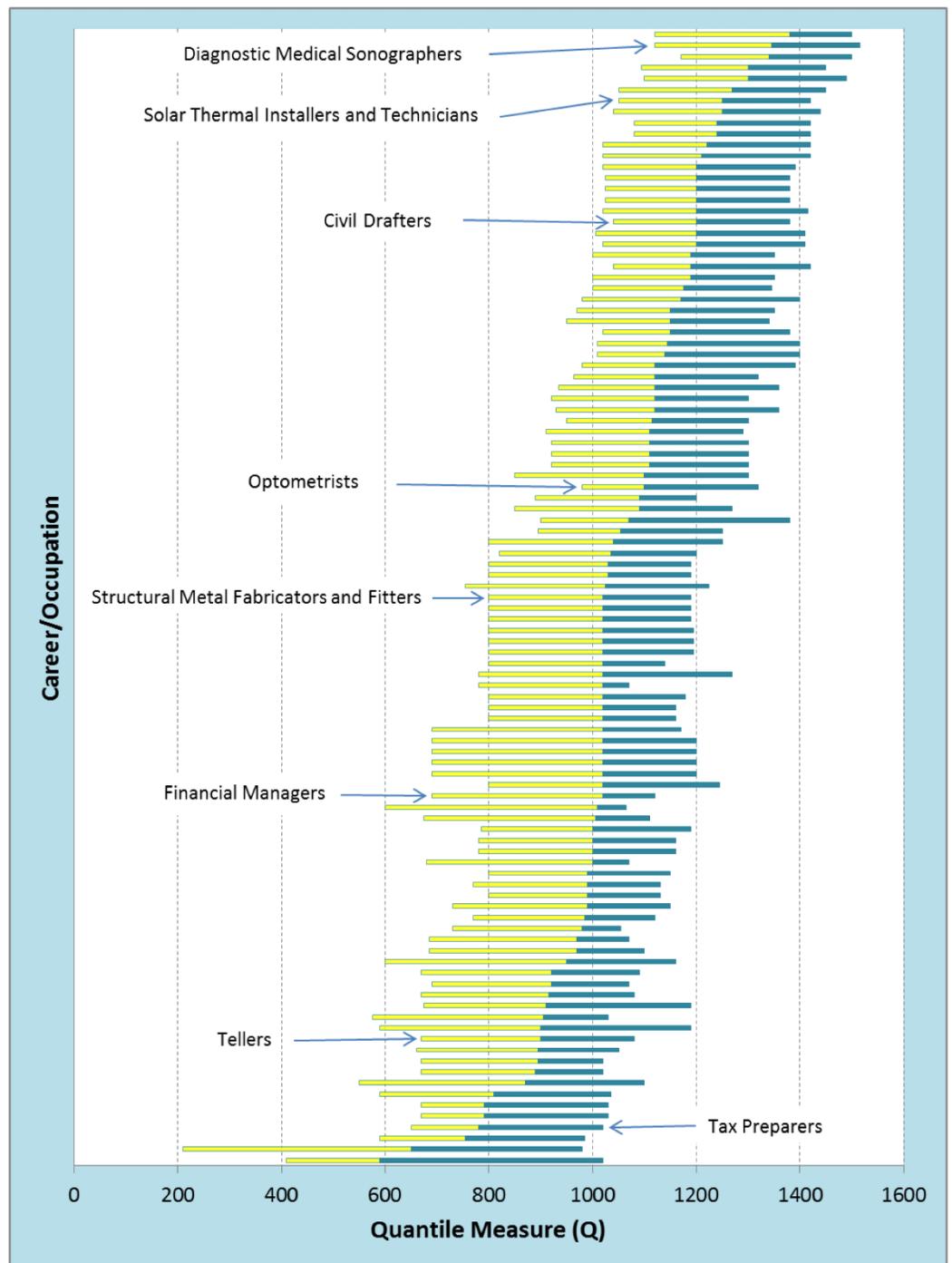
Lower Quantile Measure	Typical Quantile Measure	Higher Quantile Measure	Highest Math Course Required
970Q	1120Q	1300Q	Calculus

- The Quantile Career Database relies on exhaustive research that has examined the mathematical demands of various careers. It contains hundreds of Quantile-measured careers.
- Each student’s Quantile measure can be compared to careers within the database to understand careers they are prepared to access and the math demands of careers they aspire to achieve.



PATHWAY 2 CAREERS

- Understand the range of math skills needed to complete certificate or degree programs for specific careers.
- Generate student awareness of how their current math abilities relate to the demands of career training and preparation for desired occupations.
- Prepare students with math skills needed to access high-wage, high-demand occupations.



Careers and the Quantile Range

- A Quantile range is identified for each occupation in the Quantile Career Database that includes the lower Quantile quartile and the upper Quantile quartile, as well as the median Quantile measure.
- This range provides insight into the span of mathematical demands for tasks and responsibilities related to common career training materials and early first-year job requirements.
- With this information, students can gain awareness of the range of mathematics skills and concepts they will need to successfully complete certificate or degree programs and meet initial employment requirements.

Learn more at curriculum.pathway2careres.com