

4. Student Course Requests

Guiding Question: Which third- and fourth-year math options did your students request?

Analyzing Question: What are the top two student math course requests?

Third- and Fourth-Year Student Math Course Requests	Percent of Requests

5. Student Interests

A sample student survey is in the toolkit. Conduct a student survey to find out the following:

- a. **Guiding Questions:** What percentage of my students pursue four-year degrees from Ohio public universities? Private universities? Two-year associate degrees? Enter the military? Enter directly into the workforce upon completing high school?

Analyzing Question: What percentage of students plan to pursue postsecondary degrees?

Student Paths	Percent
Four-year degree from an Ohio public institution	
Four-year degree from a private or out-of-state institution	
Two-year degree	
Apprenticeship	
Enter the military directly upon graduation	
Enter into career directly upon graduation	

- b. **Guiding Question:** What percentage of students are interested in college majors that require calculus?

Analyzing Question: How many sections of Algebra 2 are needed?

College Majors Requiring Calculus	Percent
Interested in a calculus-based career	
Not interested in a calculus-based career	

c. **Guiding Question:** What careers are your students interested in?

Analyzing Question: What are the top five career clusters your students are interested in?

Career Cluster	Percent Interested
Agriculture & Natural Resources	
Anthropology & Geography	
Art, Drama & Music	
Business & Finance	
Computer Science, Information Technology & Programming	
Construction	
Economics	
Education (math or upper-level science teacher)	
Education (non-math or upper-level science teacher)	
Engineering, Biology, Chemistry, Geology, Physics & Pre-Med	
English, Communications & Journalism	
Food & Beverage	
Government, History & Public Administration	
Hospitality & Tourism	
Law, Public Safety, Corrections & Security	
Marketing, Sales & Advertising	
Nursing, Dietetics & Exercise Science	

d. **Guiding Question:** Which pathways courses are students interested in taking?

Analyzing Question: What are the top two courses students are interested in taking?

Course	Percent Interested
Algebra 2/Precalculus/Calculus	
Quantitative Reasoning	
Data Science Foundations	
Statistics and Probability	
Discrete Math/Computer Science	

Summarize the Data

1. Schedule Capacity Number of new courses we can offer	2. Teacher Capacity Top teacher-preferred courses (ranked)	3. Regional Needs Top five regional in-demand jobs with their Algebra 2 Equivalent courses (ranked)	4. Student Course Requests Top two student math course requests	5a. Student Survey: Postsecondary Plans Percent of students who plan to pursue postsecondary degrees	5b. Student Survey: Calculus-based Majors How many sections of Algebra 2 are needed?	5c. Student Survey: Career Interests Top five career clusters and Algebra 2 Equivalent aligned courses (ranked)	5d. Student Survey: Student Course Interest Top two preferred student courses (ranked)

Analyze the Data: Now that you have summarized the data, analyze the results. Districts may determine the weight of each category and analyze the data.