Math Pathways and Admissions

November 2021



Department of Education

Admissions Breakout

- FAQ and Toolkit Enhancements
- Equity Updates and Approach
- Impacts
 - -College Credit Plus
 - -Transcripts/Profiles
 - **–ACT/SAT** Preparation



FAQ and Toolkit Review

 Current: FAQ Draft, sans admissions specific FAQs

- Topics covered
 - -Graduation Requirements
 - -Advising/Counseling
 - -Implementation
 - -Other





* Check with your local institution. " Some institutions may require Precalculus for Bachelor's of Arts Degrees. "" Check with your local feeder school. Some Marketing programs may require statistics.



Ohio's High School Math Pathways





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FAQ and Toolkit Review

• What specific questions may be beneficial to add from an admissions perspective?



Equity Updates and Approach

- Designed by Math Pathways Architect Group
- Guidance on Maintaining Equity
 - -Designed for school administrators and counselors
 - -What does admissions need in this space, i.e. recommendations for how to consider students?



Impacts for Consideration

- CCP
- Transcripts/Profiles
- ACT/SAT Preparation
 - -Test optional through _?
- These may help build the FAQ or the Toolkit



Descriptions of Courses

COURSE DESCRIPTION

Statistics	In-depth study of probability, data analysis, and statistics including
and	applying the concept of random variables to generate and interpret
Probability	probability distributions, transforming data to aid in interpretation and prediction, and testing hypotheses using appropriate statistics
	prediction, and testing hypotheses using appropriate statistics

- Quantitative Application of mathematics skills such as algebra to the analysis and interpretation of quantitative information (numbers and units) in a Reasoning real-world context to make decisions that are relevant to daily life. Critical thinking is its primary objective and outcome.
- Data Science is a blend of various tools, algorithms, and machine Data Science learning principles with the goal to discover hidden patterns from raw data. The difference between data science and statistics is that where statistics focuses on explaining the data, data science focuses on using data to make predictions and decisions.
- Discrete The study of mathematical properties of sets and systems that have a Math countable number of elements including applications of systematic counting techniques and algorithmic thinking to represent, analyze, and solve problems.



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Proposed Timeline

Fall 2021

- The initiative is launched on the website.
- Quantitative Reasoning and Data Science Foundations are piloted as A2E courses.
- Math Pathways symposium is held on Nov. 9-10.

Fall 2022

- Schools implement pathways and Algebra 2 equivalency courses.
- Discrete Math/Computer Science is piloted.
- Pilot schools may be interested in CCP QR course or CCP Stats course.



Proposed Timeline

Fall 2023

- Students from pilot schools applying to universities may not have Algebra 2 on their transcripts.
- Students from statewide schools may be interested in other CCP entry-level math courses.

Fall 2024

- Students statewide applying to universities may not have Algebra 2 on their transcripts.
- Students **statewide** may be interested in other CCP entrylevel math courses.



Thank you!

