

Helping non-math majors see the power in linear algebra
theory through proofs.

JMM Atlanta

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Joint Mathematics Meetings Atlanta
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Brigham Young University

- 30,000 Undergraduates
- Admittance 53%
- 2016 Freshman Class (Averages)
 - 29.2 ACT
 - 1230 SAT
 - High School GPA 3.85

Linear Algebra at BYU

- 90% are non-math majors
- Suggested Prerequisite: Introduction to Proofs
- Taught with proofs (15% of the course)

Main Idea:

- Understand computation and theory of linear algebra
- Little or no experience with theoretical based work
- See that the theory is why the computations work

Comments from students:

- Helped us to know if we got a proof right instead of walking us through it step by step so that we could learn it and be able to make better proofs in the future.
- I still hate proofs but they forced me to understand the material.