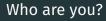
Welcome to Math 202!

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Cal Poly San Luis Obispo



Why did you become a mathematics major?

What ideas do you have about your future career?

Mathematics is not really calculations! Math majors

- Explain why things are true (proofs!)
- Engage in abstract and creative problem solving
- Know the mathematical foundations of adjacent subjects (Econ, Phys, CS, Stats, Engineering,...)

Key courses:

- Linear Algebra (Math 206/306/406)
- Real Analysis (Math 412/413/414)
- · Abstract Algebra (Math 481/482/483)

Many other offerings...

- · Differential Equations (MATH 242/344/416/418)
- · Combinatorics/Graph Theory/Discrete (MATH 335/336/435)
- Geometry/Topology (MATH 404/440/442/443)
- · Numerical Analysis/Optimization (MATH 451/452/453)
- · Much more!

The major is more than coursework!

- · Research/senior projects with faculty
- Competitions
- Clubs (both in/outside math department)
- Mathematics tutoring/workshop/grading jobs
- · Math lounge/community/networking

Math Major Pros

Math Major Pros

- · Superior logic, reasoning, and analytical abilities
- · Varied career options, especially with a minor
- · Technical writing/communication skills
- Interesting and intellectually challenging
- High demand for K-12 teachers, CSET waiver

Math Major Cons

Math Major Cons

- · General purpose major, not trained for anything specific
- · Need to sell your abilities to earn entry level positions
- Not what some expect (abstract, proof writing)
- May not directly use course content in career
- · PhD/academic career path is extremely challenging

Cal Poly Math Major Pros

Cal Poly Math Major Pros

- Wide variety of courses/options
- · Research opportunities, some with funding
- · Small class sizes/major with large, excellent faculty
- 4 + 1 program/graduate school preparation
- Tutoring/grading/workshop job opportunities

Cal Poly Math Major Cons

Cal Poly Math Major Cons

- · Course planning can be confusing
- Some facilities are dated/not optimal
- · Cal Poly/SLO can be expensive, esp. for out of state
- Not many local mathematics career opportunities

What is Math 202?

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- Guest speakers will come (please talk to them!)
- Write resume and visit the job fair (sign up soon!)
- · Create a valid graduation plan

What is Math 202?

Course information is on Canvas and

https://anthonymendes.github.io/202.html