Students seeking a Bachelor of Science in Mathematics must complete the following courses:

- MATH 201 Calculus I
- MATH 202 Calculus II
- MATH 203 Calculus III
- MATH 222 Lab Experience I
- MATH 300 Sets and Logic
- MATH 330 Linear Algebra
- MATH 340 Probability Theory
- MATH 363 Real Analysis I
- Graduation Writing Assessment Requirement
- Upper-division coursework in one of the following five concentrations:

1. Applied Mathematics
   - MATH 204, 205, 311, 490
   - Two of the following: MATH 305, 312, 360, or 402
   - One course from the following list: BIOL 201, BIOL 310, CHEM 211, CHEM 212, CMPS 222, CMPS 223, ECON 201, ECON 202, ECON 301, ECON 302, MGMT 301, PHYS 221, PHYS 222
   - None of these courses can double count to satisfy a General Education requirement.
   - One additional upper division MATH elective.
   - Note: MATH 320 and MATH 321 do not count toward the major.

2. Economics
   - MATH 140, 204, 205, 311, 440, 490
   - ECON 201, 202, 301, 302, 420
   - One of MATH 431 or 463
   - Two additional upper division Mathematics electives, which may include MATH 205.
   - Note: MATH 320 and MATH 321 do not count toward the major.

3. Statistics
   - MATH 204, 331, 415, 440, 490
   - MATH 338 or 339
   - MATH 140 or an upper division cognate to be approved by the Department of Mathematics.
   - One additional upper division MATH elective, which may include MATH 205.
   - Note: MATH 320 and MATH 321 do not count toward the major.

4. Teaching Mathematics (Blended Program)
   - MATH 201, 204, 360, 440, 450, 491
   - MATH 331 may substitute for MATH 301
   - MATH 204 or 205
   - Two additional upper division Mathematics electives, which may include MATH 204 or 205.
   - Note: Only one of MATH 301 or 331 can count toward the major.
   - MATH 320 and MATH 321 do not count toward the major.

5. Theoretical Mathematics
   - MATH 204, 312, 331, 430, 490
   - One of MATH 431 or 463
   - Two additional upper division Mathematics electives, which may include MATH 205.
   - Note: MATH 320 and MATH 321 do not count toward the major.

Teaching Mathematics (Blended Program)
The Department of Mathematics offers a unique program that blends the single subject requirements in the mathematics teaching concentration with the pedagogy courses in CSUB’s School of Education Single Subject Credential Program, offering an integrated program of study in a little over four years. Students seeking the blended program in Mathematics must complete the following:

- MATH 201, 202, 203, 222, 300, 301, 301B, 330, 340, 360, 363, 440, 450, 491
- CMPS 221
- MATH 331 may substitute for MATH 301
- One additional upper division Mathematics elective, or MATH 204 or MATH 205
- EDSP 301, EDTE 401, 402, 403, 404, 410 and 415
- EDSE 431, 432, 433, 434, 435 and 499

Minor in Mathematics
Students must complete 20 quarter units, at least 10 of which must be upper division. Lower division courses that can count are MATH 202, 203, 204 and 205. Upper division courses that do not count are MATH 320 or 321.

Minor in Applied Statistics
Students must complete 20 quarter units chosen from MATH 140 or equivalent, MATH 338, MATH 339, MATH 340, MATH 415, and MATH 440.
Faculty & Scholarships

Department of Mathematics Full-time Faculty

- Paramita Chakraborty, Assistant Professor, Probability, Statistics, Analysis
- John Dirkse, Professor and Director of Academic Operations, Statistics, Probability, Pre-Service Teacher Mathematics
- Mohamed El-Ansary, Professor, Calculus, Applied Mathematics, Analysis
- Maguy Feghali, Lecturer, Pre-Service Teacher Mathematics
- Terran Felter, Lecturer, Developmental Education, Pre-Service Teacher Mathematics, Precalculus & Calculus
- Joseph Fiedler, Professor, Graph Theory, Pedagogy of Computer Algebra Systems, Site Director California Math Project
- David Gove, Professor, Undergraduate Mathematics, Number Theory, Mentor Math Club
- Kamel Haddad, Professor and Associate Dean, NSME, Undergraduate Mathematics, Dynamical Systems
- Yangsuk Ko, Associate Professor, Calculus, Partial Differential Equations, Applied Mathematics
- Charles Lam, Associate Professor, Mathematics Tutoring Center, Combinatorics, Cryptography, Number Theory
- Rebecca Larson, Professor, Lattice Theory
- Michael Lutz, Associate Professor, Mathematics Teacher Education
- Janice Malouf, Lecturer, Algebra, Finite Mathematics, Statistics, Business Calculus
- Eduardo Montoya, Assistant Professor, Mathematical Statistics, Applied Statistics
- David Murphy, Associate Professor, Teacher Education
- Roger Peck, Professor, Statistics, Probability, Mathematics Education
- Sophia Raczkowski, Professor, LSAMP Coordinator, Topology, Analysis
- Maureen Rush, Professor, Differential Equations, Nonlinear Dynamics, Computational Mathematics
- Marc Thomas, Professor, Mathematical Analysis, Computer Hardware and Operating Systems
- Javier Trigos-Arrieta, Professor and Department Chair, LSAMP Coordinator, Topological Groups, Mathematics Education
- Dawn White, Lecturer, Statistics, Sampling

Administrative Assistant

- Lea Bush

Scholarships

- Arts and Sciences Merit Award Scholarship Program
- Kern County Science Foundation
- Louis Stokes Alliance for Minority Participation
- Mathematics Teacher Initiative
- Robert Noyce Scholarship Program