# UCLA CalTeach - Math for Mathematics Majors

**Freshman**
- Complete lower division preparation for your chosen mathematics major.*
- Complete lower division courses toward verifying Subject Matter Competence* for the CA credential (many of these are also required for the prep for your math major):
  - Calculus: Math 31A, 31B, 32A, 32B, 33A, 33B
  - Programming: PIC 10A
  - Science: 3 additional courses from Astronomy 2A, Earth & Space Sciences 1, Economics 1, 2, 11, Chemistry 20AB, Physics 6ABC or 8ABC or 1ABC, Philosophy 31, 32
  - Linear Algebra: Math 115A
- Recommended

**Sophomore**
- Complete courses required for your chosen mathematics major.
- Complete prerequisites to Math 105 sequence (these are also required for verifying Subject Matter Competence for the CA credential and most math majors):
  - Linear Algebra: Math 115A
  - Algebra 110A or 117
  - Geometry: Math 120A or 123
- Analysis: 131A

**Junior**
- Complete course to meet U.S. Constitution requirement for CA Credential:
- Complete Observation & Participation courses toward CA credential:
  - Classroom Practices in Elementary School Math: Math 71SL
  - Classroom Practices in Middle School Math: Math 72SL

**Senior**
- Complete capstone course requirement for verifying Subject Matter Competence and Math Methods course toward CA credential:
  - Mathematics and Pedagogy for Teaching Secondary Mathematics Math 105ABC
- Take and pass CBEST (Required for CA credential and to enroll in CA credential Program)
- Complete Ed Psych course toward CA credential:
  - Educational Psychology: Ed 127
- Complete Observation & Participation course toward CA credential:
  - Classroom Practices in Secondary Mathematics: Math 103ABC
- Attend networking and professional events including:
  - Alumni Reunion Strand of the Curtis Center Mathematics and Teaching Conference
  - CMC South annual fall conference in Palm Springs
- Attend networking and professional events including:
  - Have Undergraduate Office provide letter verifying completion of the coursework necessary to earn subject matter competence for the CA Single Subject Credential in Mathematics
- Complete Observation & Participation courses toward CA credential:
- Complete upper division subject matter program requirements (many of these are also required for your math major):
  - Probability/Statistics: 1 from Mathematics 170A or Statistics 100A or Statistics 110A or Statistics 110B
  - Applied Math: 1 from Math 142, 151A, 164, 167
  - 3 Math electives from: Math 61, 106-199, Statistics 100B-1208

**Post Baccalaureate**
- Receive B.S. in Math as well as Subject Matter Competence and partial completion of coursework toward the CA Single Subject Cred. in Math
- Enter CA credential program with credit for credential coursework, depending upon articulation agreement with chosen institution.

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*CA credential applicants can verify Subject Matter Competence for the CA credential by completing the coursework listed on p. 10. Students completing the Mathematics for Teaching major automatically complete the coursework for verifying Subject Matter Competence for the CA Single Subject Teaching Credential in Mathematics.*