# Required Biology Courses

**Lower Division Core (10 units)**

- **BIO 1 (5 units):** Biodiversity, Evolution, Ecology
- **BIO 2 (5 units):** Cells, Molecules, Genes

**Upper Division Core (6 units)**

- **BIO 100 (2):** Intro to Scientific Analysis
- **BIO 184 (4):** Genetics

**Upper Division BA reqs**

- **BIO 121 (3):** Molecular and Cell Bio
- **BIO 139 (4):** org chem
  - General Microbiol.
- **BIO 160 (3):** (Stat 1)
  - General Ecology
- **BIO 188 (3):** (Bio 184)
  - Evolution

**UD Elective (3) from Struct/Function List**

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# Other Required Science and Math Courses

**Chem 4 (3) if you are "rusty"**

- Chem Calculations
- **Chem 1A (5):** General Chem I
- **Chem 1B (5):** General Chem II
- **Chem 20 (3):** [or "Chem 24 (3) and Org I"
  - "Chem 124 (3) and "25 (3)"
  - Organic"
  - "Chem 160A(3) and Biochem"
  - "Chem 160B (3)"

**Phys 5A (4)**

- **Phys 5B (4)**

**Stat 1 (3) F’02 on**

- **Math 26A (3) or 30 (4):** Calculus I
- *[Math 26B (3): Calculus II]*

**Eng 1A or 2**

- Coms 4 or 5
- Critical Thinking

**Area A (9):**

- Eng 1A or 2
- Coms 4 or 5
- Critical Thinking

**Area B**

- satisfied by math and science reqs for major

**Area C (12):** arts and humanities

**Area D (15):** individual and society

**Area E (3):** personal development

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**Graduation Re 120 total units** (includes ld courses [CSUS numbers 1-99 and any community college courses] + ud courses [CSUS numbers 100-199])

- 40 upper division units (from major requirements, general education, and electives)
- 9 upper division GE units
  - US History and US + California Government
  - Race and Ethnicity Course
- Foreign Lang.: proficiency test or 2 sem Coll. one Lang. or 3 yrs H.S. one Lang.

**Prepared by M Loo 8/10/2011**