

Bioinformatics updated 07/01/21 (Counselor notes to help you plan)

Name: _____ UID: _____ Quarter: _____ Date: _____

Current Major: _____ Cumulative GPA: _____ Total Units completed*: _____

***If you are an L&S student with 150 units or more, you must meet with College Academic Counseling in Murphy Hall and get approval before applying for the minor.**

Eligibility: Good Standing & Completed 2 of the 4 Lower Division requirements with a C or better. **At least 20 units must be unique to Bioinformatics and not counting towards any other major or minor.** Supplement with Elective options below if necessary.

Lower Division Requirements: 17-18 units

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|--|----------------------------|
| 1) CS 32 4 units OR Pic 10C 5 units | 3) Math 33A 4 units |
| 2) Lifesci 7A 5 units | 4) Math 61 4 units |

Upper division Requirements: 18 units minimum from the following requirements

- 1) **CS M184 2 units** - only offered once a year, check with CS dept: <http://www.seasoasa.ucla.edu/cs-tentative-offerings/>
- 2) **CS 180 4 units** (offered every quarter) **OR** **Math 182 4units** – [Offering vary check with the Math dept](#)

Please note that with Pic 10C credit, you meet the CS 32 requisite for CS 180, but that you will need to send your first and last name, UID, and 10 digit course number for the section you would like to add to CS counselors on Message Center: [CS_CSE_Message_Center](#)

3) **2 courses 8 units** from

- **CSM121** (Same as Chemistry CM160A) **4 units** (Winter 2022) (Probability requisite enforced)
- **CS CM122** (Same as Chemistry CM160B) **4 units** (Spring 2022)
- **CS CM124** (Same as Human Genetics CM124) **4 units** (Fall 2021) (Probability requisite enforced) **Please see [IMPORTANT NOTE RE: 2022-2023 Bioinformatics offerings for F22, W23, S23 and Su23 Degree Candidates \(click for details\)](#)**

4) **At least 1 bioinformatics Elective from the following list:** Requisites vary, please check catalog. **Faculty recommended electives are in blue.**

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| • Chem 153B 4 units | • Human Genetics C144 4 units |
| • Com Sci CM186 5 units | • MCD Bio 144 5 units |
| • Com Sci CM121, CM122, or CM124 that you didn't take for the requiremetn above 4 units (highly recommended) | • MCD Bio 172 5 units (seldom offered, check schedule of classes) |
| • Com Sci 170A 4 units (seldom offered, check schedule of classes) | • MCD Bio 187AL 5 units |
| • C&S Bio CM187 2-4 units | • MIMG 132 4 units |
| • EEBio 135 4 units | • Phy Sci 125 4 units |
| • El Engr 102 4 units | • Stats 100A, El Engr 131A, C&EE 110, Math 170A, or Math 170E 4 units (any of these courses meets the probability requisite of CM121 and CM124) |
| | • Stats 100B 4 units |

Elective may not be fulfilling any of the requirements above. 8 units of either CS 194 or 199 or Bioinformatics 199 may apply as an elective by petition in Boelter Hall 6426. 4 units of 199 in your home department may also be petitioned. Student must maintain a minor GPA of 2.000 to graduate and no grades below a C-.