BLSC, Bioinformatics and Genomics Track
Catalog year 2013-2014

| Name: |  |
| SID: |  |
| Notes: |  |
| Last updated by/on: |  |

1. **Computer Science and Mathematics (16 units)**  
   Note: These courses will satisfy the related areas requirement.
   - CS 10(4)
   - CS 12(4)
   - CS 14(4)
   - MATH 9C(4)

2. **Ethics and Science:** At least one course from the following.  
   Note: This course may also satisfy a portion of the college breadth requirements in the Humanities.
   - PHIL 117(4)
   - PHIL 118(4)
   - PHIL 161(4)
   - RLST 170(4)

3. **Upper-division requirements (a minimum of 45 units)**
   a) **Required courses (38 units)**
      - BCH 110A(4) [recommended]  or →  
      - BIOL 102(4)
      - BIOL 105(4)
      - BIOL 107A(4)  or →  
      - BIOL 119(4)
      - STAT 100A(5)
      - STAT 100B(5)
      - STAT 160A(4)
      - STAT 160B(4)
   b) **Breadth electives:** At least one course from each area (a minimum of 7 units).
      (1) Bioinformatics and Computational Biology (CS 141 and MATH 112 recommended)
         - CS 141(4)
         - CS 166(4)
         - CS 170(4)
         - CS 171(4)
         - MATH 120(4)
         - MATH 135A(4)
         - STAT 160C(4)
         - STAT 161(4)
         - STAT 170A(4)
         - STAT 170B(4)
      (2) Genomics, Macromolecules, and Molecular Biology
         - BIOL 107B(3)
         - BIOL 108(4)
         - BCH 162(5)  or ↓
         - BPSC / BIOL 148(4)
         - BPSC / BCH / BIOL 153(4)
         - CBNS / ENTX 150(4)

Note: Independent study or research in the field of bioinformatics or genomics is recommended.

**Summary of units:**

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