Bioinformatics B.S. Degree  
Curriculum Chart: 2013-2014

Math

- **CMPE 16**  
  Applied Discrete Math

- **MATH 19A**  
  Calculus

- **MATH 19B**  
  Calculus

- **MATH 20A**  
  Honors Calc.

- **MATH 20B**  
  Honors Calc.

- **MATH 23A**  
  Multivariable Calculus

- **CMPE 107**  
  Stochastic Math Methods

- **AMS 131**  
  Probability Theory

- **AMS 132**  
  Statistical Inference

- **AMS 206**  
  Bayesian Statistics

Bioinformatics

- **BME 80G**  
  Bioethics

- **BME 110**  
  Computational Biology Tools

- **BME 205**  
  Bioinformatics Models and Algorithms

**Electives**  
Two courses, approved by faculty advisor, consider the following:

- **AMS:** 132, 203, 205, 207, 215
- **BME:** 102, 109, 130, 230
- **CHEM:** 103, 108B/M, 112C/N, 200A, 200B, 200C
- **CMPE:** 108, 177
- **CMPS:** 101, 104A, 105, 115, 116*, 130, 140*, 142, 160/L
- **TIM:** 206, 250

Choices must form a coherent program and be approved by a faculty advisor for bioinformatics.

Notes:
Shaded boxes represent foundation courses
* Additional prerequisite courses required
** Satisfies the DC requirement

Please mark each class on this page accordingly before meeting with faculty:
T: Credit for class received through AP credit/transfer credit
Quarter/Year: The quarter & year you anticipate taking the class and/or have taken it
# Bioinformatics B.S. Degree

## Curriculum Chart: 2013-2014

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BINF Electives Approval Form

**Student Name** ___________________________________________

**Student ID** ______________________________________________

**Elective 1** ______________________________________________

**Elective 2** ______________________________________________

Explanation of choice of electives:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Faculty Advisor’s Approval: ___________________________ Date: _________________