### Prerequisites – must be taken by end of their 4th semester (summer included)

<table>
<thead>
<tr>
<th>IG Core Courses</th>
<th>Genetics, Bioinformatics, and Statistical Genetics</th>
<th>Evolution, Population and Quantitative Genetics</th>
<th>Seminars</th>
<th>Elective courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle the class taken:</td>
<td>ANS 556</td>
<td>ANS/Agron 561</td>
<td>Two Times (F)</td>
<td>Course:</td>
</tr>
<tr>
<td></td>
<td>COM S 549, 550, 551</td>
<td>EEOB 540X, 562, 563, 566, 567</td>
<td>One time (S)</td>
<td>Credit:</td>
</tr>
<tr>
<td></td>
<td>STAT 516, 581</td>
<td>GDCB/STAT 536</td>
<td>Three times (F,S):</td>
<td>Course:</td>
</tr>
<tr>
<td></td>
<td>BCB 544, 546X, 567, 568, 569, 570</td>
<td>GDCB 510</td>
<td>Two times (F)</td>
<td>Credit:</td>
</tr>
<tr>
<td></td>
<td>EEOB 561</td>
<td>Advanced Molecular Genetics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### IG Core Courses grade of “B” or better

- Required (12 credits)

### Seminars (9 credits)

- Two Times (F)
  - GENET 591
- One time (S)
  - GENET 539
- One time (F)
  - GENET 692
- Three times (F,S):
  - GENET 690
- Two times (F)
  - GENET 691

### Elective courses

- Course:
- Credit:
- Course:
- Credit:
- Course:
- Credit:

### Research

- GENET 699
- (10 credits minimum)

Total (72 credits)