**Department: Biology**

**Degree, Major: B.S. Biology, minor BIOE**

(MATH 251/Honors General Biology sequence, pre-med, BI Departmental Honors)

**YEAR 1** (Edit credits as appropriate for specific courses in the table.)

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| --- | --- | --- |
| **FALL COURSES** | **CREDITS** | **MILESTONES** |
| MATH 251 | 4 | MATH 251 prerequisite for BIOE 251 |
| CH 221 | 4 |  |
| CH 227 | 2 |  |
| Core Ed | 4 | Core Ed = Arts and Letter (>1) or Social Science (>2); science group classes (>3) are completed through completing GS major requirements |
| **TOTAL** | **14** |  |

|  |  |  |
| --- | --- | --- |
| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| MATH 252 | 4 |  |
| CH 222 | 4 |  |
| CH 228 | 2 |  |
| WR 121 | 4 |  |
| **TOTAL** | **14** |  |

|  |  |  |
| --- | --- | --- |
| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| CH 223 | 4 |  |
| CH 229 | 2 |  |
| WR 122 or 123 | 4 |  |
| Core Ed + MC | 4 |

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|  MC = multicultural classes, these can overlap with the Core Ed classes  |

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| **TOTAL** | **14** |  |

**YEAR 2**

|  |  |  |
| --- | --- | --- |
| **FALL COURSES** | **CREDITS** | **MILESTONES** |
| BI 281 H | 5 |  |
| CH 331 | 4 |  |
| CH 337 | 3 | Not required for BI major but common req for med school |
| Core Ed literature | 4 | Many med schools require a full year of writing classes (not just WR 121 and 122) |
| **TOTAL** | **16** |  |

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| --- | --- | --- |
| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| BI 282 H | 5 |  |
| CH 335 | 4 |  |
| CH 338 | 3 | Not required for BI major but common req for med school |
| Core Ed + MC | 4 | 16 |
| **TOTAL** | **16** |  |

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| --- | --- | --- |
| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| BI 283 H | 5 |  |
| CH 336 | 4 | Not required for BI major but common requirement for med school, prerequisite for Biochemistry CH 360 or CH 461 |
| Core Ed  | 4 | 20 |
| Core Ed | 4 | 24 |
| **TOTAL** | **16** |  |

**YEAR 3**

|  |  |  |
| --- | --- | --- |
| **FALL COURSES** | **CREDITS** | **MILESTONES** |
|  PHYS 251 | 4 | BIOE minor must take PHYS 251, not PHYS 201 |
| PHYS 204 or 290 PHYS lab | 2 | Not required for BI major but common for med school |
| CH 360 or CH 461 | 4 | Not required for BI major but common requirement for med school, **also counts as BIOE elective** |
| BIOE 251 | 4 | BIOE minor |
| **TOTAL** | **14** |  |

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| --- | --- | --- |
| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| PHYS 202 or PHYS 252 | 4 |  |
| PHYS 205 or 290 PHYS lab | 2 | Fulfills DSCI Human Contexts and Ethics category |
| BI 3xx or BI 4xx | 4 | Students should not procrastinate on the 420-499 requirement as these classes can be hard to get into, scheduling more than one per term can be tricky.  |
| BIOE 252 | 4 | BIOE Minor requirement |
| **TOTAL** | **14** |  |

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| --- | --- | --- |
| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| PHYS 203 or PHYS 253 | 4 |  |
| PHYS 206 or 290 PHYS lab | 2 |  |
| BI 320 | 4 | Common requirement for med school, **BIOE elective** |
| BIOE 253 | 4 | BIOE minor |
| **TOTAL** | **14** |  |

**YEAR 4**

|  |  |  |
| --- | --- | --- |
| **FALL COURSES** | **CREDITS** | **MILESTONES** |
| BI 403 | 1 | Honors Thesis required for BI Honors  |
| BI 4xx | 4 |  |
| BI 3xx | 4 |  |
| MAPS\* | 4 | \*Modelling, Analysis, Programming & Statistics within or approved outside dept.  |
| BI 401 | 2 | Research is required for BI honors and very nice for med school  |
| **TOTAL** | **15** |  |

|  |  |  |
| --- | --- | --- |
| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| BI 403 | 2 |  |
| BI 4xx | 4 |  |
| BI 3xx | 4 |  |
| BIOE 3xx/4xx | 4 |  |
| BI 401 | 2 |  |
| **TOTAL** | **16** |  |

|  |  |  |
| --- | --- | --- |
| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| BI 403 | 1 |  |
| BI 4xx | 4 |  |
| BI 3xx | 4 |  |
| Core Ed | 4 |  |
| BI 401 | 2 |  |
| **TOTAL** | **15** |  |