**Department: Chemistry and Biochemistry**

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

**YEAR 1**

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| **FALL COURSES** | **CREDITS** | **MILESTONES** |
| CH 221/224H | 4 |  |
| CH 227/237 | 2 |  |
| MATH 251 | 4 |  |
| WR 121 | 4 |  |
| **TOTAL** | **14** |  |

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| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| CH 222/225H | 4 |  |
| CH 228/238 | 2 |  |
| MATH 252 | 4 |  |
| WR 122 | 4 |  |
| **TOTAL** | **14** |  |

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| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| CH 223/226H | 4 |  |
| CH 229/239 | 2 |  |
| MATH 253 | 4 |  |
| Core-Ed A&L | 4 |  |
| **TOTAL** | **14** |  |

**YEAR 2**

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| **FALL COURSES** | **CREDITS** | **MILESTONES** |
| CH 341 | 4 |  |
| CH 337 | **3** |  |
| PHYS 251 | 4 | BIOE minor must take PHYS 251, not PHYS 201 |
| PHYS 290 | 2 |  |
| Core Ed: SS | 4 |  |
| **TOTAL** | **17** |  |

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| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| CH 342 | 4 |  |
| CH 348 | **4** |  |
| PHYS 252 or 202 | 4 |  |
| PHYS 290 or 205 | 2 |  |
| **TOTAL** | **14** |  |

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| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| CH 343 | 4 |  |
| CH 349 | **4** |  |
| PHYS 253 or 203 | 4 |  |
| PHYS 290 or 205 | 2 |  |
| Core Ed: SS | 4 |  |
| **TOTAL** | **18** |  |

**YEAR 3**

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| **FALL COURSES** | **CREDITS** | **MILESTONES** |
| CH 411 Phys Chem | 4 |  |
| CH 417 Physical Chem Lab | 4 |  |
| BIOE 251 | 4 |  |
| MATH 256 or MATH 281 | 4 |  |
| **TOTAL** | **16** |  |

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| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| CH 412 Phys Chem | 4 |  |
| CH 418 Phys Chem Lab | 4 |  |
| BIOE 252 | 4 |  |
| MATH 281 | 4 |  |
| **TOTAL** | **16** |  |

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| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| CH 413 Phys Chem | 4 |  |
| CH 419 Phys Chem Lab | 4 |  |
| CH 429 Inst Analysis | 5 |  |
| BIOE 253 | 4 |  |
| **TOTAL** | **17** |  |

**YEAR 4**

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| **FALL COURSES** | **CREDITS** | **MILESTONES** |
| CH 401 | 2 |  |
| 400-level in CH, earth sciences, physics | 4 | Select from BIOE elective list |
| Core Ed A&L | 4 |  |
| Core Ed A&L | 4 |  |
| Core Ed + Multicultural | 4 |  |
| **TOTAL** | **18** |  |

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| **WINTER COURSES** | **CREDITS** | **MILESTONES** |
| CH 401 | 2 |  |
| 400-level in CH, earth sciences, physics | 4 | Select from BIOE elective list |
| Core Ed+Multicultural | 4 |  |
| Core Ed SS | 4 |  |
| Core Ed A&L | 4 |  |
| **TOTAL** | **18** |  |

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| **SPRING COURSES** | **CREDITS** | **MILESTONES** |
| CH 401 | 2 |  |
| 400-level in CH, earth sciences, physics | 4 |  |
| BIOE 3xx/4xx | 4 | BIOE minor requirement |
| Core Ed SS | 4 |  |
| **TOTAL** | **18** |  |