

Typical Curriculum for a B.S. DEGREE in CHEMISTRY (Chemical Physics Option) STUDENT: _____

revised in **2022 a** DATES ADVISED:

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| FRESHMAN [32] | | | | | | | | | | | | | |
|------------------------------|---|-------------------------------|----------|----------|---|------------|---|-----------------|--|-----------|-----|------|-------|
| Chemistry | | English | | Language | | Math | | Social Sciences | | Electives | | | |
| 105 General I | 3 | WRIT 100/101 | 3 | | | 261 | 3 | | | Dept. | No. | Hrs. | Grade |
| 115 General Lab I | 1 | or HON 101 | | 111 | 6 | 262 | 3 | | | | | | |
| <i>opt</i> 107 Honors | 1 | WRIT or LIBA HON 102 | 102 | | | | | | | | | | |
| 106 General II | 3 | | LIBA 102 | | | | | | | | | | |
| 116 General Lab II | 1 | | HON 102 | | | | | | | | | | |
| <i>opt</i> 108 Honors | 1 | | | | | | | | | | | | |

| SOPHOMORE [31] | | | | | | | | | | Electives | | | |
|------------------------------|---|------------|---|----------|---|------------|---|--|--|-----------|-----|------|-------|
| Chemistry | | Physics | | Language | | Math | | | | | | | |
| 221 Organic I | 3 | 211 | 3 | 211 | 6 | 263 | 3 | | | Dept. | No. | Hrs. | Grade |
| 225 Organic Lab I | 1 | 221 | 1 | | | 264 | 3 | | | | | | |
| <i>opt</i> 227 Honors | 1 | | | | | | | | | | | | |
| 222 Organic II | 3 | 212 | 3 | | | | | | | | | | |
| 226 Organic Lab II | 1 | 222 | 1 | | | | | | | | | | |
| <i>opt</i> 228 Honors | 1 | | | | | | | | | | | | |

One elective from:
 Phys 303
 Phys 308
 Phys 315
 Phys 317
 Phys 319
 Phys 321
 Phys 401
 Phys 422
 Astr 325

| JUNIOR [28] | | | | | | | | | | Electives | | | |
|---------------------------|---|---------|---|------|---|------|---|--|--|-----------|-----|------|-------|
| Chemistry | | English | | Arts | | Math | | | | | | | |
| 314 Quant Analysis | 4 | 22__ | 3 | | | 319 | 3 | | | Dept. | No. | Hrs. | Grade |
| 331 Physical I | 3 | 22__ | 3 | | 3 | 353 | | | | | | | |
| 332 Physical II | 3 | | | | | 375 | | | | | | | |
| 337 Physical Lab | 1 | | | | | | | | | | | | |

| SENIOR [29] | | | | | | | | | | Electives | | | | |
|----------------------------|---|------------------------------|----------------------|-----------------------------------|--|--|-------|-----|------|-----------|--|--|--|--|
| Chemistry | | Two advanced electives from: | | Social Sciences & /or Humanities* | | | | | | | | | | |
| 401 Inorg Chem Prin | 3 | 531 | Quantum Chem | 3 | | | Dept. | No. | Hrs. | Grade | | | | |
| 463 Research | 2 | 532 | Thermodynamics | 3 | | | | | | | | | | |
| 471 Biochemistry | 3 | 536 | Dynamics | 3 | | | | | | | | | | |
| 402 Inorganic lab | 1 | 544 | Group Theory | 3 | | | | | | | | | | |
| 463 Research | 2 | 563 | Applied Spectroscopy | 3 | | | | | | | | | | |
| 469 Instrumental | 4 | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | |
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Graduation Hour Requirements:
 120 Total hours
 40 hours (1/3 of total) at 300 level or above [37 prescribed]
 47 hours in chemistry

* Note: Phi Beta Kappa requires 6 hr of History

[32 upper]

[3 upper]

[3 upper]