

CURRICULUM GUIDE WORKSHEET

Biology BS in Cell and Molecular Biology

| Name: | | Catalogue Year: | Minor: _ | |
|--------|------------------------|---|----------|--------------------------|
| Freshr | man (Fall) | | | |
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 112 | Principles of Biology | 4 | |
| | MAT 116/211 | Precalculus/Calculus and Analytic Geometry I ³ | 4 | Take 116P placement exam |
| | ENG 111 | Written Composition I | 3 | |
| | CHE 111 | General Chemistry | 4 | |
| | | | 15 | |
| □ Re | view Registration on E | llucian/Self-Service | | |
| Fresh | nan (Spring) | | | |
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 210 or 211 | Zoology or Microbiology | 4 | |
| | ENG 112 | Written Composition II | 3 | |
| | CHE 112 | Chemical Equilibrium | 4 | |
| | MAT 211/212 | Calculus and Analytic Geometry I / II ³ | 4 | |
| | | | 15 | |
| Sopho | more (Fall) | | | |
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 210 or 211 | Zoology or Microbiology | 4 | |
| | CHE 314 | Organic Chemistry I | 3 | |
| | CHE 324 | Organic Chemistry Laboratory | 2 | |
| | MAT 114/208 | Introduction to Statistics/Statistics | 3 | |
| | COM 112/235 | Public/Interpersonal Communication | 3 | |
| | | | 15 | |
| ☐ Dis | cuss minor options, if | applicable | | |
| Sopho | more (Spring) | | | |
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 315/323 | Genetics/Cell Biology | 4 | |
| | CHE 315 | Organic Chemistry II | 3 | |
| | CHE 326 | Organic/Inorganic Synthesis Laboratory | 2 | |
| | HIS 101 | World Civilization to the 18 th Century ^{1,2} | 3 | |
| | ENG 201/202 | World Literature I/II ² | 3 | |
| | | | 15 | |
| ☐ De | clare minor with Dean | , Arts & Sciences, if applicable | | |

- 1. Students must take HIS 101 before or with ART 210.
- 2. This course can be taken in Summer to lighten Fall/Spring loads.
- 3. Calculus is not required for C&M majors but is recommended. If omitted, add electives for 120 total hours.
- 4. Statistics can either be taken through 114/208 or later with 304

| Junior | · (Fall) | | | |
|---------|----------------------------|---|-------------------|-------|
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 325 | Molecular Biology | 4 | |
| | BIO Choice# | BIO 307, 317, 320 [#] | 4 | |
| | CHE 319 | Biochemistry | 4 | |
| | CHR 111 | Old Testament Survey | 3 | |
| | PEWS 100 | Fitness for Health ² | 1 | |
| | ELEC | Elective Course for 120 hour total | 4 | |
| | | | 16 | |
| □ Ap | ply for Junior Audit aft | er completing 72 credit hours | | |
| Junior | '(Spring) | | | |
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 315/323 | Genetics/Cell Biology | 4 | |
| | BIO Choice# | BIO 309, 316# | 4 | |
| | BIO 425 | Introduction to Research | 1 | |
| | CHE 329 | Biochemistry II | 2 | |
| | HIS 102 | World Civilization from the 18 th Century | 3 | |
| | | | 15 | |
| Senio | r (Fall) | | | |
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 426 | Research Experience I | 1 | |
| | BIO 498 | Biology Seminar | 1 | |
| | BIO Choice# | BIO 307, 317, 320# | 4 | |
| | PHY 213/Other | Introduction to Physics ² /other elective | 3 or 4 | |
| | SOC SCI ELEC* | Social Science Elective* | 3 | |
| | ELEC | Elective Course for 120 hour total | 3 | |
| | | | 15 or 16 | |
| ☐ Ap | ply for Graduation | | | |
| Senio | r (Spring) | | | |
| X | Course Prefix | Course Name | Credits | Notes |
| | BIO 427 | Research Presentation | 1 | |
| | BIO 397 | Special Studies | 4 | |
| | CHR 112 | New Testament Survey | 3 | |
| | ART 210 | Arts in Western Civilization ¹ | 3 | |
| | PHY 214/other | Introduction to Physics ² /other elective | 3 or 4 | |
| | | | 14 or 15 | |
| #Choose | e any 3 of BIO 307, 309, 3 | fore or with ART 210. 2. This course can be taken in St 10, 316, 317, or 320. Students may opt to take certain | courses during Su | - |
| *Choose | e one of the following: EC | O 211, 212, HON 225, PHL 240, PSC 211, PSY 213, SOC | . 211 | |

A minimum of 36 upper-level (300 and 400 level) hours is required. At least 15 upper level in major. The degree must meet a minimum of 120 hours.

Created 04/05/21 | Updated 03/07/24

| Student Organizations: | Extracurricular Opportunities: | Travel & Study Abroad: |
|------------------------|--------------------------------|------------------------|
| | | |
| | | |