**Blue Ridge Community College & West Virginia University**

**Associate of Science leading to**

**Bachelor of Science in Biochemistry (WVU- BS)**

**Suggested Plan of Study**

|  |  |  |  |
| --- | --- | --- | --- |
| **Blue Ridge Community College** | **Hours** | **WVU Equivalents** | **Hours** |
| Year One, 1st Semester |
| ENG 111 | 3 | ENGL 101 | 3 |
| SDV | 1 | ORIN 1TC | 1 |
| MTH 263 | 4 | MATH 155 | 4 |
| CHM 111 | 4 | CHEM 115 | 4 |
| History Elective | 3 | History Elective | 3 |
| **TOTAL** | 15 |  | 15 |
| Year One, 2nd Semester |
| ENG 112 | 3 | ENGL 102 | 3 |
| MTH 245 | 3 | STAT 211 | 3 |
| MTH 264 | 4 | MATH 156 | 4 |
| CHM 112 | 4 | CHEM 116 | 4 |
| **TOTAL** | 14 |  | 14 |
| Year Two, 1st Semester |
| CHM 241 + 243 | 4 | CHEM 233 + 235 | 4 |
| BIO 101 | 4 | BIOL 115 | 4 |
| Social and Behavioral Science Elective | 3 | Social and Behavioral Science Elective | 3 |
| Literature/Humanities/Fine Arts | 3 | Literature/Humanities/Fine Arts | 3 |
| HLT/PED Health/Physical Education Elective | 1 | HLT/PED Health/Physical Education Elective | 1 |
| **TOTAL** | 15 |  | 15 |
| Year Two, 2nd Semester |
| CHM 242 + 245 | 4 | CHEM 234 + 236 | 4 |
| BIO 102 | 4 | BIOL 117 | 4 |
| \*PHY 201 or 241 | 4 | PHYS 101 or 111 | 4 |
| Literature  | 3 | Literature  | 3 |
| **TOTAL** | 15 |  | 15 |

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| **WEST VIRGINIA UNIVERSITY** |
| **American Chemical Society Track** |
| Year Three, 1st Semester | Year Three, 2nd Semester |
| CHEM 215 | 4 | BIOL 310 | 3 |
| AGBI 410 & 412 | 4 | CHEM 341 & 342 | 4 |
| PHYS 112 | 4 | CHEM 462 & 464 | 4 |
| BIOL 219 | 4 | BIOCHEM ELECTIVE 1 | 3 |
| **TOTAL** | 16 | **TOTAL** | 14 |
| Year Four, 1st Semester | Year Four, 2nd Semester |
| CHEM 401 | 1 | CHEM 310 | 3 |
| CHEM 422 | 3 | CHEM 403 | 1 |
| CHEM 497 | 3 | BIOCHEM ELECTIVE 3 | 3 |
| BIOCHEM ELECTIVE 2 | 3 | BIOCHEM ELECTIVE 4 | 3 |
| ELECTIVE | 5 | ELECTIVE | 3 |
| **TOTAL** | 15 | **TOTAL** | 14 |
| **American Society of Biochemistry & Molecular Biology Track** |
| Year Three, 1st Semester | Year Three, 2nd Semester |
| AGBI 410 & 412 | 4 | BIOL 310 | 3 |
| CHEM 215 | 4 | CHEM 341 & 342 | 4 |
| PHYS 102 | 4 | CHEM 462 & 464 | 4 |
| BIOL 219 | 4 | BIOCHEM ELECTIVE 1 | 3 |
| **TOTAL** | 16 | **TOTAL** | 14 |
| Year Four, 1st Semester | Year Four, 2nd Semester |
| BIOL 423 | 3 | BIOL 313 OR 410 | 3 |
| BIOCHEM ELECTIVE 2 | 3 | AGBI 401 | 1 |
| BIOCHEM ELECTIVE 3 | 4 | BIOCHEM ELECTIVE 4 | 3 |
| ELECITVE | 7 | BIOCHEM CAPSTONE | 3 |
|  |  | ELECTIVE | 4 |
| **TOTAL** | 15 | **TOTAL** | 14 |

\*Students who select the American Society of Biochemistry and Molecular Biology may replace PHY 241 with PHY 201.

Students are encouraged adjust their schedule at Blue Ridge to accommodate the completion of their chosen Physics sequence prior transferring to West Virginia University. This will create a more manageable course load during the first semester of the third year.

Students are expected to have completed BIO 101 (BIOL 115), BIO 102 (BIOL 117), CHM 111 (CHEM 115), and CHM 112 (CHEM 116) with a minimum grade of C- or better.

Students transferring to West Virginia University with a completed Associate’s degree, will have satisfied the General Education Foundation requirements at WVU.

Students who have questions regarding this articulation agreement or the transferability of coursework may contact the WVU Office of the University Registrar. All other questions should be directed to the WVU Office of Admissions.

The above transfer articulation of credit between West Virginia University and Blue Ridge Community College, is approved by the Dean, or the Dean’s designee, and effective the date of the signature.

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 Print Name Signature Date

J. Todd Petty Ph.D. Associate Dean for WVU’s Agriculture and Natural Resources