**Virginia Western Community College & West Virginia University**

**Associate of Science in Science leading to**

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

**Suggested Plan of Study**

|  |  |  |  |
| --- | --- | --- | --- |
| **Virginia Western Community College** | **Hours** | **WVU Equivalents** | **Hours** |
| Year One, 1st Semester |
| SDV 101 | 1 | ORIN 1TC | 1 |
| ENG 111 | 3 | ENGL 101 | 3 |
| MTH 161 or MTH 167 | 3 | MATH 129 or MATH 1TC | 3 |
| Science Elective | 4 | Science Elective | 4 |
| ITE 115 or ITE 119 | 3 | CS 1TC or CS 1TC | 3 |
| **TOTAL** | 15 |  | 15 |
| Year One, 2nd Semester |
| ENG 112 | 3 | ENGL 102 | 3 |
| MTH 261 or MTH 263 | 3 | MATH 150 or MATH 155 | 3 |
| Science Elective | 4 | Science Elective | 4 |
| Humanities/Fine Arts Elective | 3 | Humanities/Fine Arts Elective | 3 |
| Science Elective | 3 | Science Elective | 3 |
| **TOTAL** | 16 |  | 16 |
| Year Two, 1st Semester |
| HIS 121 | 3 | HIST 152 | 3 |
| MTH 262 or MTH 264 | 3 | MATH 2TC or MATH 156 | 3 |
| Science Elective | 4 | Science Elective | 4 |
| Social Science Elective | 3 | Social Science Elective | 3 |
| Science Elective | 3 | Science Elective | 3 |
| **TOTAL** | 16 |  | 16 |
| Year Two, 2nd Semester |
| Humanities/Fine Arts Elective | 3 | Humanities/Fine Arts Elective | 3 |
| Social Science Elective | 3 | Social Science Elective | 3 |
| Science Elective | 4 | Science Elective | 4 |
| Science Elective | 3 | Science Elective | 3 |
| **TOTAL** | 13 |  | 13 |
|  |  |  |  |
|  |  |  |  |
| **WEST VIRGINA 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 |
| STAT 211 | 3 | CHEM 462 & 464 | 4 |
| ELECTIVE | 3 | BIOCHEM ELECTIVE | 3 |
| ELECTIVE | 1 | ELECTIVE | 1 |
| TOTAL | 15 | TOTAL | 15 |
| 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 |
| BIOCHEM ELECTIVE | 3 | BIOCHEM ELECTIVE | 3 |
| ELECTIVE | 3 | ELECTIVE | 3 |
| ELECTIVE | 2 |  |  |
| TOTAL | 15 | TOTAL | 13 |
| **American Society of Biochemistry and 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 |
| STAT 211 | 3 | CHEM 462 & 464 | 4 |
| ELECITVE | 3 | BIOCHEM ELECTIVE | 3 |
| ELECTIVE | 1 | ELECTIVE | 1 |
| TOTAL | 15 | TOTAL | 15 |
| Year Four, 1st Semester | Year Four, 2nd Semester |
| BIOL 423 | 3 | BIOL 313 OR 410 | 3 |
| BIOCHEM ELECTIVE | 3 | AGBI 401 | 1 |
| BIOCHEM ELECTIVE | 4 | BIOCHEM CAPSTONE | 3 |
| ELECITVE | 3 | BIOCHEM ELECTIVE | 3 |
| ELECITVE | 3 | ELECTIVE | 3 |
| ELECITVE | 2 | ELECTIVE | 2 |
| TOTAL | 15 | TOTAL | 15 |

Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

Students who have questions about admission into their intended program, GEF requirements, or any other issue relating to academics at West Virginia University should contact the Office of Undergraduate Education at WVU.

The above transfer articulation of credit between West Virginia University and Virginia Western 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