**Virginia Highlands Community College & West Virginia University**

**Associate of Arts and Science in Science leading to**

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

**Suggested Plan of Study**

|  |  |  |  |
| --- | --- | --- | --- |
| **Virginia Highlands Community College** | **Hours** | **WVU Equivalents** | **Hours** |
| Year One, 1st Semester | | | |
| ENG 111 | 3 | ENGL 101 | 3 |
| HIS 121 | 3 | HIST 1TC | 3 |
| MTH 161 | 3 | MATH 129 | 3 |
| CHM 111 | 4 | CHEM 1TC | 4 |
| SDV 101 | 1 | ORIN 1TC | 1 |
| **TOTAL** | 14 |  | 14 |
| Year One, 2nd Semester | | | |
| ENG 112 | 3 | ENGL 102 | 3 |
| HIS 122 | 3 | HIST 1TC | 3 |
| MTH 162 | 3 | MATH 1TC | 3 |
| CHM 112 | 4 | CHEM 1TC | 4 |
| PHI 100 or ART 201 | 3 | PHIL 1TC or ARHS 1TC | 3 |
| **TOTAL** | 16 |  | 16 |
| Year Two, 1st Semester | | | |
| PSY 200 | 3 | PSYC 2TC | 3 |
| MTH 263 | 5 | MATH 155 | 5 |
| CHM 241/243 | 4 | CHEM 233/25 | 4 |
| PHY 121 or 231 | 4 | PHSC 1TC or PHSC 2TC | 4 |
| PE | 1 | Physical Education | 1 |
| **TOTAL** | 17 |  | 17 |
| Year Two, 2nd Semester | | | |
| REL 231 or 232 | 3 | RELG 2TC | 3 |
| PHY 122 or PHY 232 | 4 | PHSC 1TC or PHSC 2TC | 4 |
| Information Technology Course | 3 | CS 1TC | 3 |
| CHM 242/244 | 3 | CHEM 234/236 | 3 |
| CST 100 | 3 | CSAD 270 | 3 |
| **TOTAL** | 17 |  | 17 |
|  |  |  |  |
|  |  |  |  |
| **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 Highlands 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