**J. Sargeant Reynolds Community College & West Virginia University**

**Associate of Science in Science leading to**

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

**Suggested Plan of Study**

|  |  |  |  |
| --- | --- | --- | --- |
| **J. Sargeant Reynolds Community College** | **Hours** | **WVU Equivalents** | **Hours** |
| Year One, 1st Semester |
| SDV 100 | 1 | ORIN 1TC | 1 |
| ENG 111 | 3 | ENGL 101 | 3 |
| Laboratory Science | 4 | Laboratory Science | 4 |
| MTH 167 or MTH 263 | 4 or 5 | MATH 1TC or MATH 155 | 4 or 5 |
| Computer Science Elective | 3-4 | Computer Science Elective | 3-4 |
| **TOTAL** | 15-17 |  | 15-17 |
| Year One, 2nd Semester |
| ENG 112 | 3 | ENGL 102 | 3 |
| Laboratory Science | 4 | Laboratory Science | 4 |
| MTH 245 or MTH 261 or MTH 263 or MTH 264 | 3-4 | STAT 111 or MATH 150 or MATH 155 or MATH 156 | 3-4 |
| Social/Behavioral Science Elective | 3 | Social/Behavioral Science Elective | 3 |
| Personal Wellness Elective | 1 | Personal Wellness Elective | 1 |
| **TOTAL** | 14-15 |  | 14-15 |
| Year Two, 1st Semester |
| Math, Laboratory Science, or Computer Science Elective | 3-5 | GEF 2 or GEF 3 | 3-5 |
| Laboratory Science | 4 | Laboratory Science | 4 |
| HIS 101 or HIS 121 | 3 | HIST 101 or HIST 152 | 3 |
| Humanities/Fine Arts Elective | 3 | Humanities/Fine Arts Elective | 3 |
| Approved Elective | 3 | Approved Elective | 3 |
| **TOTAL** | 16-18 |  | 16-18 |
| Year Two, 2nd Semester |
| Math or Laboratory Science Elective | 3-5 | Math or Laboratory Science Elective | 3-5 |
| Laboratory Science | 4 | Laboratory Science | 4 |
| HIS 102 or HIS 122 | 3 | HIST 102 or HIST 153 | 3 |
| Humanities/Fine Arts Elective | 3 | Humanities/Fine Arts Elective | 3 |
| Approved Elective | 3 | Approved Elective | 3 |
| **TOTAL** | 16-18 |  | 16-18 |
|  |  |  |  |
|  |  |  |  |
| **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 who select the American Society of Biochemistry and Molecular Biology may replace PHY 203 and 204 with PHY 201 and 202.

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 J. Sargeant Reynolds Community College, is approved by the Dean, or the Dean’s designee, and effective the date of the signature.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Print Name Signature Date

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