**John Tyler Community College & West Virginia University**

**Associate of Science in General Studies leading to**

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

**Suggested Plan of Study**

|  |  |  |  |
| --- | --- | --- | --- |
| **John Tyler Community College** | **Hours** | **WVU Equivalents** | **Hours** |
| Year One, 1st Semester |
| SDV 100 | 1 | ORIN 1TC | 1 |
| ENG 111 | 3 | ENGL 101 | 3 |
| MTH 170 | 3 | MATH 1TC | 3 |
| History Elective | 3 | History Elective | 3 |
| Transfer Elective | 3 | Transfer Elective | 3 |
| **TOTAL** | 15 |  | 15 |
| Year One, 2nd Semester |
| ENG 112 | 3 | ENGL 102 | 3 |
| MTH 157 | 3 | MATH 1TC | 3 |
| History Elective | 3 | History Elective | 3 |
| Laboratory Science Elective  | 4 | Laboratory Science Elective | 4 |
| Transfer Elective | 3 | Transfer Elective | 3 |
| **TOTAL** | 15 |  | 15 |
| Year Two, 1st Semester |
| Humanities Elective | 3 | Humanities Elective | 3 |
| Social/Behavioral Science Elective | 3 | Social/Behavioral Science Elective | 3 |
| ITE 115 | 3 | CS1TC | 3 |
| Laboratory Science Elective  | 4 | Laboratory Science Elective | 4 |
| Transfer Elective | 3 | Transfer Elective | 3 |
| **TOTAL** | 16 |  | 16 |
| Year Two, 2nd Semester |
| Humanities Elective | 3 | Humanities Elective | 3 |
| Social/Behavioral Science Elective | 3 | Social/Behavioral Science Elective | 3 |
| Literature Elective | 3 | Literature Elective | 3 |
| Transfer Elective | 3 | Transfer Elective | 3 |
| **TOTAL** | 12 |  | 12 |
|  |  |  |  |
|  |  |  |  |
| **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 John Tyler 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