**Harford Community College & West Virginia University**

**Associate of Science leading to**

**Bachelor of Science- Chemistry (WVU-BS)**

**Suggested Plan of Study**

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| **Harford Community College** | **Hours** | **WVU Equivalents** | **Hours** |
| Year One, 1st Semester |
| CHEM 111 | 4 | CHEM 115 + CHEM 115L | 4 |
| ENG 101 | 3 | ENGL 101 | 3 |
| MATH 203 | 4 | MATH 155 | 4 |
| Behavioral/Social Science Elective | 3 | Behavioral/Social Science Elective | 3 |
| **TOTAL** | 14 |  | 14 |
| Year One, 2nd Semester |
| CHEM 112 | 4 | CHEM 116 + CHEM 116L | 4 |
| MATH 204 | 4 | MATH 156 | 4 |
| PHYS 203 | 3 | PHYS 2TC | 3 |
| Program Elective | 4 | Program Elective | 4 |
| **TOTAL** | 15 |  | 15 |
| Year Two, 1st Semester |
| CHEM 207 | 4 | CHEM 233 & CHEM 235 | 4 |
| PHYS 204 | 4 | PHYS 2TC | 4 |
| Program Electives | 6 | Program Electives | 6 |
| Arts/Humanities Elective | 3 | Arts/Humanities Elective | 3 |
| **TOTAL** | 17 |  | 17 |
| Year Two, 2nd Semester |
| CHEM 208 | 4 | CHEM 234 & CHEM 236 | 4 |
| Program Elective | 3 | Program Elective | 3 |
| Arts/Humanities Elective | 3 | Arts/Humanities Elective | 3 |
| Physical Education Elective | 1 | Physical Education Elective | 5 |
| **TOTAL** | 11 |  | 15 |

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| **WEST VIRGINIA UNIVERSITY** |

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| Summer Session | PHYS 111 | 4 |

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| Year Three, 1st Semester | Year Three, 2nd Semester |
| CHEM 215 | 4 | AGBI 410 | 3 |
| CHEM 335 | 4 | CHEM 310 | 3 |
| CHEM 346 | 3 | CHEM 347 & CHEM 348 | 4 |
| MATH 251 | 4 | ENGL 102 | 3 |
|  |  | General Elective | 1 |
| **TOTAL** | 15 | **TOTAL** | 14 |
| Year Four, 1st Semester | Year Four, 2nd Semester |
| CHEM 349 | 2 | CHEM 401/CHEM 403 | 2 |
| CHEM 313 | 1 | CHEM 423 | 2 |
| ENGL 304/305 | 3 | Chemistry Elective 2 | 3 |
| CHEM 422 | 3 | General Elective | 3 |
| PHYS 112 | 4 | General Elective | 3 |
| General Elective | 3 | General Elective | 1 |
| **TOTAL** | 16 | **TOTAL** | 13 |

Students who wish to graduate within a 4 year timeframe with a Bachelor of Science in Chemistry from WVU will need to enroll in PHYS 112 (or its equivalent) during the summer between their 2nd and 3rd year.

Students must complete CHEM 1171 & 1172 with a C or better to be admitted to the Chemistry program upon transferring to West Virginia University.

Students completing degrees in WVU’s Eberly College of Arts and Sciences are encouraged to work with their advisors to integrate completion of an academic minor or minors into their programs of study, to the degree allowed within elective hours. WVU offers over 100 minors that complement major fields of study, build on students’ unique interests, expand perspectives, and broaden skills. See <http://catalog.wvu.edu/undergraduate/minors/#minorsofferedtext> for a list of available minors. Harford students may begin completion of certain minors at HCC by utilizing elective hours to take courses equivalent to the minor’s introductory requirements at WVU.

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 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 Harford 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

Valerie Lastinger Ph.D. Associate Dean for WVU’s Eberly College of Arts & Sciences