

# Columbus State Community College & West Virginia University

Associate of Science Physics Bachelor's Degree Transfer Major leading to

Bachelor of Science - Physics (WVU-BS)

Suggested Plan of Study

COLUMBUS STATE  
COMMUNITY COLLEGE



| Columbus State Community College          | Hours | WVU Equivalents                          | Hours |
|---|-------|--|-------|
| <b>Year One, 1<sup>st</sup> Semester</b>  |       |  |       |
| COLS 1100 or COLS 1101                    | 1     | WVUE 191                                 | 1     |
| ENGL 1100 or ENGL 1101                    | 3     | ENGL 101                                 | 3     |
| MATH 1151                                 | 5     | MATH 155 + MATH 1TC                      | 5     |
| CHEM 1171                                 | 5     | CHEM 115 & CHEM 115L + CHEM 1TC          | 5     |
| *Social and Behavioral Science            | 3     | *Social and Behavioral Science           | 3     |
| <b>TOTAL</b>                              | 17    |  | 17    |
| <b>Year One, 2<sup>nd</sup> Semester</b>  |       |  |       |
| ENGL 2367                                 | 3     | ENGL 102                                 | 3     |
| MATH 1152                                 | 5     | MATH 156 + MATH 1TC                      | 5     |
| CHEM 1172                                 | 5     | CHEM 116 & CHEM 116 L + CHEM 1TC         | 5     |
| *Historical Study Course                  | 3     | Historical Study Course                  | 3     |
| <b>TOTAL</b>                              | 16    |  | 16    |
| <b>Year Two, 1<sup>st</sup> Semester</b>  |       |  |       |
| PHYS 1250                                 | 5     | PHYS 111 + PHYS 1TC                      | 5     |
| MATH 2153                                 | 5     | MATH 251 + MATH 2TC                      | 5     |
| *Social and Behavioral Science            | 3     | Social and Behavioral Science            | 3     |
| *Literature/Visual-Performing Arts Course | 3     | Literature/Visual-Performing Arts Course | 3     |
| <b>TOTAL</b>                              | 16    |  | 16    |
| <b>Year Two, 2<sup>nd</sup> Semester</b>  |       |  |       |
| PHYS 1251                                 | 5     | PHYS 112 + PHYS 1TC                      | 5     |
| MATH 2255                                 | 4     | MATH 261                                 | 4     |
| MATH 2568                                 | 4     | MATH 343                                 | 4     |
| <b>TOTAL</b>                              | 13    |  | 13    |

\*Full list of course options: <https://www.csc.edu/academics/transfer/degrees.shtml>

| WEST VIRGINIA UNIVERSITY             |           |                                      |           |
|--------------------------------------|-----------|--------------------------------------|-----------|
| Year Three, 1 <sup>st</sup> Semester |           | Year Three, 2 <sup>nd</sup> Semester |           |
| PHYS 331                             | 3         | PHYS 314                             | 4         |
| PHYS 312                             | 3         | PHYS 333                             | 3         |
| AoE Course 1                         | 3         | PHYS Elective or PHYS 332            | 3         |
| General Elective                     | 3         | AoE Course 2                         | 3         |
| General Elective                     | 3         | AoE Course 3                         | 3         |
| <b>TOTAL</b>                         | <b>15</b> | <b>TOTAL</b>                         | <b>16</b> |
| Year Four, 1 <sup>st</sup> Semester  |           | Year Four, 2 <sup>nd</sup> Semester  |           |
| PHYS 341                             | 2         | PHYS 341                             | 2         |
| PHYS 451                             | 3         | PHYS 461                             | 3         |
| PHYS Elective or PHYS 334            | 3         | PHYS 496                             | 3         |
| AoE Course 4                         | 3         | General Elective                     | 3         |
| General Elective                     | 3         | General Elective                     | 3         |
| <b>TOTAL</b>                         | <b>14</b> | <b>TOTAL</b>                         | <b>14</b> |

Students must have a GPA of 2.2 in all MATH and PHYS courses to be admitted to the Physics program upon transferring to West Virginia University.

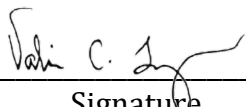
Area of Emphasis: Students completing a Bachelor of Science in Physics must complete an Area of Emphasis selected from Applied Physics, Biophysics, Computational Physics, Materials Science, Medical Physics, Physics Teaching, Professional Preparation, or Space Physics. The Professional Preparation Area of Emphasis is the typical plan of study for a B.S. degree in physics. Hours will vary based on Area of Emphasis.

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. Columbus State students may begin completion of certain minors at CSCC 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 Columbus State Community College, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

|                   |  |          |
|-------------------|--|----------|
| Valérie Lastinger |  | 02/08/22 |
| Print Name        | Signature  | Date     |

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