

# Valley Forge Military College & West Virginia University

Associate of Science in Engineering and Physical Sciences A.S. leading to

Bachelor of Science in Engineering Technology B.S.

Suggested Plan of Study

ECP Course Sequence



| Valley Forge Military College      | Hours     | WVU Equivalents                                          | Hours     |
|------------------------------------|-----------|----------------------------------------------------------|-----------|
| Year One, 1 <sup>st</sup> Semester |           |                                                          |           |
| EN 101 (General Education)         | 3         | ENGL 101 (Required)                                      | 3         |
| ER 102 (General Education)         | 3         | ENGR 1TC                                                 | 3         |
| CH 103 (General Education)         | 4         | CHEM 115 & CHEM 115L (Required)                          | 4         |
| PY 101 (General Education)         | 3         | PSYC 101                                                 | 3         |
| MA 112                             | 3         | STAT 215 (Required)                                      | 3         |
| MS 301 (General Education)         | 4         | MILS 301 + MILS 3TC                                      | 4         |
| <b>TOTAL</b>                       | <b>20</b> |                                                          | <b>20</b> |
| Year One, 2 <sup>nd</sup> Semester |           |                                                          |           |
| EN 102 (General Education)         | 3         | ENGL 102 (Required)                                      | 3         |
| CM 120 (General Education)         | 3         | COMM 270 & COMM 270S                                     | 3         |
| MA 104 (General Education)         | 4         | MATH 155 (Required)                                      | 4         |
| ER 105 (General Education)         | 3         | CE 210 + CE 2TC (Multi-disciplinary AoE #1 – Elective 1) | 3         |
| CH 104 (Program Core)              | 4         | CHEM 116 & CHEM 116L                                     | 4         |
| MS 302 (Program Core)              | 4         | MILS 302                                                 | 4         |
| <b>TOTAL</b>                       | <b>21</b> |                                                          | <b>21</b> |
| Year Two, 1 <sup>st</sup> Semester |           |                                                          |           |
| MA 201 (Program Core)              | 4         | MATH 156 (Required)                                      | 4         |
| PH 201 (Program Core)              | 4         | PHYS 111 & PHYS 111L (Required)                          | 4         |
| ER 201 (Program Core)              | 3         | MAE 241 (Multi-disciplinary AoE #1 – Elective 2)         | 3         |
| HI 203 (General Education)         | 3         | HIST 210                                                 | 3         |
| MS 401 (Program Core)              | 4         | MILS 401                                                 | 4         |
| <b>TOTAL</b>                       | <b>18</b> |                                                          | <b>18</b> |
| Year Two, 2 <sup>nd</sup> Semester |           |                                                          |           |
| MA 210 (General Education)         | 3         | MATH 261                                                 | 3         |
| PH 202 (Program Core)              | 4         | PHYS 112 & PHYS 112L (Required)                          | 4         |
| ER 290 (Program Core)              | 3         | MAE 243                                                  | 3         |
| ER 280 (Program Core)              | 3         | MAE 242                                                  | 3         |
| MA 202 (Program Core)              | 4         | MATH 251                                                 | 4         |
| MS 402 (Program Core)              | 4         | MILS 402                                                 | 4         |
| <b>TOTAL</b>                       | <b>21</b> |                                                          | <b>21</b> |

## West Virginia University

|                                                         |    |                                                     |    |
|---------------------------------------------------------|----|-----------------------------------------------------|----|
| Summer Session                                          |    | ENGR 102                                            | 3  |
| Year Three, 1 <sup>st</sup> Semester                    |    | Year Three, 2 <sup>nd</sup> Semester                |    |
| ETEC 199                                                | 1  | ETEC 220 & ETEC 220L                                | 3  |
| ETEC 130 & ETEC 130L                                    | 3  | ETEC 310 & ETEC 310L (Spring Only)                  | 3  |
| ETEC 210 & ETEC 210L                                    | 3  | BCOR 121                                            | 2  |
| ETEC 350 (Fall Only)                                    | 3  | IENG 377                                            | 3  |
| ENGR 140                                                | 3  | ETEC 370 or ETEC 450 or ETEC 491 (1 of 3)           | 1  |
| Multi-disciplinary AoE #1 – Elective <sup>(3)</sup>     | 3  | Multi-disciplinary AoE #1 – Elective <sup>(4)</sup> | 3  |
| <b>TOTAL</b>                                            | 16 | <b>TOTAL</b>                                        | 15 |
| Year Four, 1 <sup>st</sup> Semester                     |    | Year Four, 2 <sup>nd</sup> Semester                 |    |
| ETEC 330 & ETEC 330L (Fall Only)                        | 3  | ETEC 440 & ETEC 440L (Spring Only)                  | 3  |
| ETEC 340 & ETEC 340L (Fall Only) or<br>EE 221 & EE 221L | 4  | ETEC 475S (Spring Only)                             | 3  |
| ETEC 401 (Fall Only)                                    | 2  | IENG 445                                            | 3  |
| AoE #2 - Elective <sup>(1)</sup>                        | 3  | WRIT 305                                            | 3  |
| AoE #2 - Elective <sup>(2)</sup>                        | 3  | AoE #2 - Elective <sup>(3)</sup>                    | 3  |
| ETEC 370 or ETEC 450 or ETEC 491 (2 of 3)               | 1  | AoE #2 - Elective <sup>(4)</sup>                    | 3  |
|                                                         |    | ETEC 370 or ETEC 450 or ETEC 491 (3 of 3)           | 1  |
| <b>TOTAL</b>                                            | 16 | <b>TOTAL</b>                                        | 19 |

Students must have a cumulative GPA of 2.25 in all college coursework.

Students will also not be required to complete ENGR 101 per Statler College policy for incoming transfer students completing math, science, and discipline specific coursework prior to transferring.

Students can select from the following Area of Emphasis while attending WVU:

- Construction Management
- Industrial Engineering Technology
- Energy Technology
- Mechanical Engineering Technology
- Engineering Management and Entrepreneurship
- Multi-Disciplinary Engineering Technology

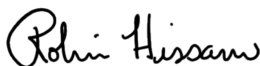
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

Students who have questions about admission into their intended program, GEF requirements, AOE's, minors, 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 Valley Forge Military College, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Robin Hissam

Print Name



Signature

10/30/2025

Date

Robin Hissam, Ph.D. Associate Dean for Academics and Student Performance Statler College of Engineering and Mineral Resources