

# College of Southern Maryland & West Virginia University



Associate of Science in Engineering A.S. leading to  
Bachelor of Science in Mechanical Engineering B.S.M.E.  
Energy Systems Area of Emphasis  
Suggested Plan of Study



| College of Southern Maryland                                     | Hours | WVU Equivalents                 | Hours |
|------------------------------------------------------------------|-------|---------------------------------|-------|
| Year One, 1 <sup>st</sup> Semester                               |       |                                 |       |
| ENG 1010                                                         | 3     | ENGL 101 (Required)             | 3     |
| EGR 1100                                                         | 3     | MAE 102 (Required)              | 3     |
| MTH 1200                                                         | 4     | MATH 155 (Required)             | 4     |
| CHE 1200 & CHE 1200L                                             | 4     | CHEM 115 & CHEM 115L (Required) | 4     |
| Arts Elective                                                    | 3     | Elective                        | 3     |
| <b>TOTAL</b>                                                     | 17    |                                 | 17    |
| Year One, 2 <sup>nd</sup> Semester                               |       |                                 |       |
| COM 1010                                                         | 3     | COMM 270 & COMM 270S            | 3     |
| EGR 1210                                                         | 3     | MAE 241 (Required)              | 3     |
| MTH 1210                                                         | 4     | MATH 156 (Required)             | 4     |
| PHY 1310                                                         | 4     | PHY 1TC                         | 4     |
| <b>TOTAL</b>                                                     | 14    |                                 | 14    |
| Year Two, 1 <sup>st</sup> Semester                               |       |                                 |       |
| MTH 2200                                                         | 4     | MATH 251 (Required)             | 4     |
| MTH 2210                                                         | 4     | MATH 261 (Required)             | 4     |
| PHY 2300                                                         | 4     | PHYS 111 & PHYS 111L (Required) | 4     |
| EGR 2210 (Directed Elective)                                     | 3     | MAE 242 (Required)              | 3     |
| <b>TOTAL</b>                                                     | 15    |                                 | 15    |
| Year Two, 2 <sup>nd</sup> Semester                               |       |                                 |       |
| PHY 2320                                                         | 4     | PHYS 112 & PHYS 112L (Required) | 4     |
| SOC 2010                                                         | 3     | SOC 2TC                         | 3     |
| EGR 2200 (Directed Elective)                                     | 3     | MAE 243 (Required)              | 3     |
| EGR 2320 (Directed Elective)                                     | 3     | MAE 320 (Required)              | 3     |
| Social/behavioral with Cultural and Global Awareness requirement | 3     | Elective                        | 3     |
| <b>TOTAL</b>                                                     | 16    |                                 | 16    |

## West Virginia University

| Year Three, 1 <sup>st</sup> Semester  |           | Year Three, 2 <sup>nd</sup> Semester  |           |
|---------------------------------------|-----------|---------------------------------------|-----------|
| EE 221 & EE 221L                      | 4         | MSEN 350                              | 3         |
| MAE 202 <sup>(FA only)</sup>          | 1         | MAE 316                               | 3         |
| MAE 211 & MAE 211L                    | 3         | MAE 342                               | 3         |
| MAE 212L                              | 1         | MAE 353                               | 3         |
| MAE 216L                              | 1         | Energy System Course <sup>(AoE)</sup> | 3         |
| MAE 244L or MAE 254L <sup>(AoE)</sup> | 1         | Technical Elective <sup>(1)</sup>     | 3         |
| MAE 331                               | 3         |                                       |           |
| ECON 201                              | 3         |                                       |           |
| <b>TOTAL</b>                          | <b>17</b> | <b>TOTAL</b>                          | <b>18</b> |
| Year Four, 1 <sup>st</sup> Semester   |           | Year Four, 2 <sup>nd</sup> Semester   |           |
| IENG 302                              | 2         | MAE 422L <sup>(AoE)</sup>             | 1         |
| MAE 321 <sup>(AoE)</sup>              | 3         | MAE 460 <sup>(AoE)</sup>              | 3         |
| MAE 322L <sup>(AoE)</sup>             | 1         | MAE 472S                              | 3         |
| MAE 423                               | 3         | Energy System Course <sup>(AoE)</sup> | 3         |
| MAE 456 & MAE 456L                    | 3         | Technical Elective <sup>(2)</sup>     | 3         |
| MAE 471S                              | 3         | Technical Elective <sup>(3)</sup>     | 3         |
| <b>TOTAL</b>                          | <b>15</b> | <b>TOTAL</b>                          | <b>16</b> |

Students must have a cumulative GPA of 2.25 in all college coursework attempted, and a C- or better in MAT 1200, or higher and EGR 1100 (WVU MAE 102) to be admitted directly to the Mechanical Engineering Program at the Statler College of Engineering and Mineral Resources upon transferring to West Virginia University to ensure this pathway.

Since CMSD students transfer up to MATH 261, they do not need to take ENGR 101 specifically. Another engineering technical elective from CMSD or WVU can satisfy this credit.

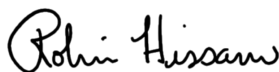
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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 College of Southern Maryland, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Robin Hissam

Print Name



Signature

05/10/2026

Date

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

Bernice Brezina

Print Name



Signature

05/31/2026

Date

Dr. Bernice Brezina, Interim Vice President, Division of Learning.

# WVU Mechanical Engineering Energy Systems Area of Emphasis

Final Audit Report

2026-05-31

|                 |                                              |
|-----------------|----------------------------------------------|
| Created:        | 2026-05-19 (Eastern Daylight Time)           |
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