

# 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
<b>Year One, 1<sup>st</sup> Semester</b>			
EGR 1100	3	MAE 102	3
ENG 1010	3	ENGL 101	3
MTH 1200	4	MATH 155	4
CHE 1200 & CHE 1200L	4	CHEM 115 & CHEM 115L	4
Arts Elective	3	Elective	3
<b>TOTAL</b>	17		17
<b>Year One, 2<sup>nd</sup> Semester</b>			
EGR 1210	3	MAE 241	3
MTH 1210	4	MATH 156	4
PHY 1310	4	PHYS 1TC	4
ENG 1020	3	ENGL 102	3
CHE 1210 & CHE 1210L	4	CHEM 116 & CHEM 116L	4
<b>TOTAL</b>	18		18
<b>Year Two, 1<sup>st</sup> Semester</b>			
MTH 2200	4	MATH 251	4
ECN 2020	3	ECON 201	3
PHY 2300	4	PHYS 111 & PHYS 111L	4
EGR 2210	3	MAE 242	3
MTH 2210	4	MATH 261	4
<b>TOTAL</b>	18		18
<b>Year Two, 2<sup>nd</sup> Semester</b>			
PHY 2320	4	PHYS 112 & PHYS 112L	4
Social/Behavioral Science w/ CGA	3	Elective	3
EGR 2200	3	MAE 243	3
EGR 2320	3	MAE 320	3
<b>TOTAL</b>	13		13

## West Virginia University

Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
EE 221 & EE 221L	4	MAE 253	2
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	Technical Elective (1)	3
MAE 244L or MAE 254L <sup>(AoE)</sup>	1	Energy System Course <sup>(AoE)</sup>	3
MAE 331	3		
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>17</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 (2)	3
MAE 471S	3	Technical Elective (3)	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, MAT 1210, MAT 2200 & MAT 2210 (WVU MATH 155, MATH 156, MATH 251 & MATH 261), CHE 1200 & CHE 1210L (WVU CHEM 115 & CHEM 115L), ENG 1010 (WVU ENGL 101), EGR 1100 (WVU MAE 102), and PHY 2300 (PHYS 111/L) and 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.

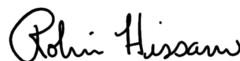
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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

08/13/2024

Date

Robin Hissam, Ph.D., Associate Dean of Academic and Student Performance for WVU's Statler College of Engineering & Mineral Resources