

# College of Southern Maryland & West Virginia University



Associate of Science in Engineering A.S. leading to  
Bachelor of Science in Industrial Engineering B.S.I.E.  
Suggested Plan of Study



College of Southern Maryland	Hours	WVU Equivalents	Hours
Year One, 1 <sup>st</sup> Semester			
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
Year One, 2 <sup>nd</sup> Semester			
EGR 1210	3	MAE 241	3
MTH 1210	4	MATH 156	4
PHY 1310	4	PHY 1TC	4
ENG 1020	3	ENGL 102	3
CHE 1210 & CHE 1210L	4	CHEM 116 & CHEM 116L (Required Science Elective)	4
<b>TOTAL</b>	18		18
Summer Session – WVU Online		STAT 215 or IENG 213	3
Year Two, 1 <sup>st</sup> Semester			
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 (Additional Technical Electives 1)	3
MTH 2210	4	MATH 261	4
<b>TOTAL</b>	18		18
Year Two, 2 <sup>nd</sup> Semester			
PHY 2320	4	PHYS 112 & PHYS 112L	4
ECN 2025	3	ECON 202	3
EGR 2200	3	MAE 243 (MAE Electives )	3
EGR 2320	3	MAE 320 (Additional Technical Electives 2)	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	IENG 314 (Spring Only)	3
IENG 200	1	IENG 316 (Spring Only)	3
IENG 220 & IENG 220L	3	IENG 331 (Spring Only)	3
IENG 350 (Fall Only)	3	IENG 445 (Spring Only)	3
IENG 360 (Fall Only)	3	IENG Technical Elective (400/500-Level 1)	3
IENG 377	3		
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>15</b>
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
IENG 301 (Fall Only)	3	IENG 446 (Spring Only)	3
IENG 305 (Fall Only)	3	IENG 472 (Spring Only)	3
IENG 343 (Fall Only)	3	IENG 302 & IENG 302L	3
IENG 455 (Fall Only)	3	IENG Technical Elective (400/500-Level 2)	3
IENG 471 (Fall Only)	3	Additional Technical Electives	3
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</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 Industrial 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.

MAE 243 (CSMD EGR 2200) will fulfill the MAE Elective requirement. MAE 242 (CSMD EGR 2210) and MAE 320 (CSMD EGR 2320) will fulfill the Technical Elective requirements. STAT 215 will substitute for IENG 213 based on summer availability.

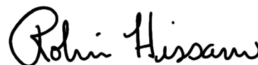
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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



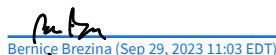
Signature

09/05/2023

Date

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

Bernice Brezina



Bernice Brezina (Sep 29, 2023 11:03 EDT)

Dean of School of Professional and Technical Studies

Sep 29, 2023