



# Garrett College & West Virginia University

Associate of Science in Engineering Transfer A.S. program leading to

Bachelor of Science in Mechanical Engineering, B.S.M.E.

Energy Systems Area of Emphasis

Suggested Plan of Study



Garrett College	Hours	WVU Equivalents	Hours
<b>Year One, 1<sup>st</sup> Semester</b>			
FYE 101 or FYE 103	1	WVUE 191	1
CHE 101 (Fall only)	4	CHEM 115 & CHEM 115L	4
ENR 100	3	ENGR 101 + ENGR 1TC	3
ENG 101	3	ENGL 101	3
MAT 190	4	MATH 155	4
<b>TOTAL</b>	15		15
<b>Year One, 2<sup>nd</sup> Semester</b>			
COM 101	3	MDS 270	3
ENG 102 (Arts & Humanities)	3	ENGL 102	3
ECN 202 (Social & Behavioral Science)	3	ECON 201 (Required)	3
ENR 230 (Major Elective)	3	ENGR 102 (Required)	3
MAT 191 (Spring Only)	4	MATH 156	4
<b>TOTAL</b>	16		16
<b>Year Two, 1<sup>st</sup> Semester</b>			
CIS 170 (Fall Only)	4	CS 110 & CS 110L	4
MAT 192 (Fall Only)	4	MATH 251	4
ENR 221 (Major Elective)	3	MAE 241 (Required)	3
PHY 111 (Fall Only)	4	PHYS 111 & PHYS 111L	4
<b>TOTAL</b>	15		15
<b>Year Two, 2<sup>nd</sup> Semester</b>			
GER Social & Behavioral Science	3	Social & Behavioral Science Elective	3
MAT 281 (Spring Only)	4	MATH 261	4
PHY 112 (Spring Only)	4	PHYS 112 & PHYS 112L	4
ENR 250 (Major Elective)	3	MAE 242 (Required)	3
<b>TOTAL</b>	14		14

## West Virginia University

Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
EE 221 & EE 221L	4	MAE 243	3
MAE 202 <sup>(FA only)</sup>	1	MAE 253	2
MAE 211 & MAE 211L	3	MAE 342	3
MAE 212L	1	IENG 302	2
MAE 216L	1	MAE 321 <sup>(AoE)</sup>	3
MAE 244L or MAE 254L <sup>(AoE)</sup>	1	MAE 322L <sup>(SP Only /AoE)</sup>	1
MAE 316	3	MAE 331	3
MAE 320	3		
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>17</b>
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
MAE 353	3	MAE 423	3
MAE 456 & MAE 456L	3	MAE 472S	3
MAE 471S	3	MAE 460 <sup>(AoE)</sup>	3
MAE 422L <sup>(AoE)</sup>	1	Technical Elective (1)	3
Energy System Course <sup>(AoE)</sup>	3	Technical Elective (2)	3
Energy System Course <sup>(AoE)</sup>	3	Technical Elective (3)	3
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>18</b>

Garrett College Note: Students entering the program who are not Calculus-ready must also complete MAT105 College Algebra and MAT110 Pre-Calculus.\*ADDITIONAL GC GRADUATION REQUIREMENTS: Must achieve a grade of "C" or better in all computer science, engineering, mathematics, and natural/physical science courses.

Students must have a cumulative GPA of 2.25 in all college coursework attempted, and a C or better in MAT 190 (WVU MATH 155), CHE 101 (WVU CHEM 115), ENG 101 (WVU ENGL 101), ENR 100 (WVU ENGR 101), and ENR 230 (WVU ENGR 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

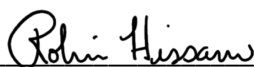
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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

Robin Hissam \_\_\_\_\_

Print Name



Signature

08/16/2023 \_\_\_\_\_

Date

Robin Hissam, Ph.D. Associate Dean for Academic Affairs – Statler College of Engineering and Mineral Resources