

# Harrisburg Area Community College & West Virginia University



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



Harrisburg Area CC	Hours	WVU Equivalent	Hours
Year One, 1 <sup>st</sup> Semester			
CAD 154	3	ENGR 101 & MAE 212L (Required)	3
CHEM 101	4	CHEM 115 & CHEM 115L (Required)	4
ENGL 101	3	ENGL 101(Required)	3
ENGR 102	2	ENGR 191(Required) + ENGR 1TC	2
MATH 121	4	MATH 155 (Required)	4
<b>TOTAL</b>	16	<b>TOTAL</b>	16
Year One, 2 <sup>nd</sup> Semester			
COMM 101	3	COMM 270 & COMM 270S	3
ENGL 104	3	WRIT 305	3
MATH 122	4	MATH 156 (Required)	4
ECON 202 (Transfer Elective)	3	ECON 201 (Required)	3
PSYC 101 (S/B Science Elective)	3	PSYC 101	3
<b>TOTAL</b>	16	<b>TOTAL</b>	16
Summer Session (Online WVU)		ENGR 102 or MAE 102 (Required)	3
Year Two, 1 <sup>st</sup> Semester			
ENGR 213	3	MAE 241 (Required)	3
MATH 221	4	MATH 251 (Required)	4
PHYS 211	4	PHYS 111 & PHYS 111L (Required)	4
ENGL 102 (Transfer Elective)	3	ENGL 102 (Required)	3
Wellness	1	Elective	1
<b>TOTAL</b>	15	<b>TOTAL</b>	15
Year Two, 2 <sup>nd</sup> Semester			
ENGR 214	3	MAE 242 (Required)	3
ART 181 or ART 182 or MUS 102 or MUS 104 or FMTH 101 or FMTH 103	3	ARHS 120 or ARHS 160 or MUSC 111 or MUSC 116 or THET 160 or THET 144	3
PHYS 212	4	PHYS 112 & PHYS 112L (Required)	4
MATH 222 (Transfer Elective)	4	MATH 261 (Required)	4
<b>TOTAL</b>	14	<b>TOTAL</b>	14

## West Virginia University

Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
EE 221 & EE 221L	4	MAE 316	3
MAE 202 <sup>(FA only)</sup>	1	MAE 331	3
MAE 211 & MAE 211L	3	MAE 342	3
MAE 216L	1	MAE 353	3
MAE 243	3	MSEN 350	3
MAE 244L <sup>(AoE)</sup>	1	MAE 411 & MAE 411L <sup>(AoE)</sup>	3
MAE 320	3		
<b>TOTAL</b>	15	<b>TOTAL</b>	18
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
IENG 302	2	MAE 442 <sup>(Spring Only/AoE)</sup>	3
MAE 423	3	MAE 472S	3
MAE 456 & MAE 456L	3	MAE 460 <sup>(AoE)</sup>	3
MAE 471S	3	ROBE 412 or ROBE 413 or ROBE 414 <sup>(SP Only/AoE)</sup>	3
ROBE 313 <sup>(Fall Only/AoE)</sup>	3	Technical Elective <sup>(2)</sup>	3
Technical Elective <sup>(1)</sup>	3	Technical Elective <sup>(3)</sup>	3
<b>TOTAL</b>	17	<b>TOTAL</b>	18

Students must have a cumulative GPA of 2.25 in all college coursework attempted, and a C- or better in MATH 121 (WVU MATH 155), CAD 154 (WVU ENGR 101), and ENGR 102 (WVU ENGR 191) 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.

As part of this pathway, students should opt to take WVU's ENGR 102 or MAE 102 course online after their first year at HACC ease course load their first semester.

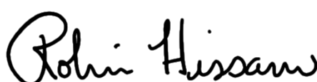
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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

Robin Hissam

Print Name



Signature

09/24/2025

Date

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