

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.
Energy Systems Area of Emphasis
Suggested Plan of Study



Harrisburg Area CC	Hours	WVU Equivalent	Hours
Year One, 1 st 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
TOTAL	16	TOTAL	16
Year One, 2 nd 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
PYSC 101 (S/B Science Elective)	3	PYSC 101	3
TOTAL	16	TOTAL	16
Summer Session (Online WVU)		ENGR 102 or MAE 102 (Required)	3
Year Two, 1 st 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
TOTAL	15	TOTAL	15
Year Two, 2 nd 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
TOTAL	14	TOTAL	14

West Virginia University

Year Three, 1 st Semester		Year Three, 2 nd Semester	
EE 221 & EE 221L	4	MAE 316	3
MAE 202 (Fall Only)	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 or MSEN 351L (AoE)	1	Technical Elective ⁽¹⁾	3
MAE 320	3		
TOTAL	16	TOTAL	18
Year Four, 1 st Semester		Year Four, 2 nd Semester	
IENG 302	2	MAE 422L (Spring Only / AoE)	1
MAE 321 (AoE)	3	MAE 460 (AoE)	3
MAE 322L (AoE)	1	MAE 472S	3
MAE 423	3	Energy System Course ^(2; AoE)	3
MAE 456 & MAE 456L	3	Technical Elective ⁽²⁾	3
MAE 471S	3	Technical Elective ⁽³⁾	3
Energy System Course ^(1; AoE)	3		
TOTAL	18	TOTAL	16

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 may opt to take WVU's ENGR 102 or MAE 102 course online after their first year at HACC ease course load their first semester.

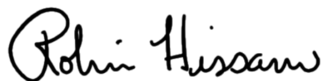
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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