

MECHANICAL ENGINEERING

Transfer Guide for Penn State Harrisburg / College of Southern Maryland

College of Southern Maryland (CSM) and Penn State Harrisburg (PSH) have established this transfer guide so that students have a clear idea about the course work that they should complete in order to best transfer into a Bachelor's Degree in Mechanical Engineering at Penn State Harrisburg.

The goal of the Mechanical Engineering program is to provide students with the necessary training and education for them to become technical leaders for various industrial, commercial, consulting, and governmental organizations. Potential work-related duties include development and construction of machines and mechanisms; development, instrumentation, and control of manufacturing processes and procedures; design of mechanical systems for heating and cooling; development of energy management procedures; and renewable energy alternatives. For the B.S. degree in Mechanical Engineering, a minimum of 131 credits is required.

The Mechanical Engineering program @ PSH is fully accredited by ABET.

Apply online at <http://admissions.psu.edu/>

Admission Requirements:

1. Before transferring, CSM students generally complete most of their first two years of college. A minimum of 18 credits are required to be considered for transfer.
2. Students are also required to have a minimum cumulative grade point average of 2.0 (on a 4.0 scale). *GPA's are recalculated to include all courses and grades, including all repeated courses, from all colleges/universities previously attended.*
3. Students are required to have completed MTH 1130 or higher at CSM or trigonometry or higher from high school.

Recommendations/Notes:

1. Although not required for transfer, students who graduated from high school in 2001 or later and have not completed the required two high school world language units (same language) must fulfill this high school requirement by completing one semester of a college level world language. This class is considered a high school world language requirement and cannot be counted towards the completion of a baccalaureate degree.
2. The evaluation of all other prior college work is done on an individual basis by the Admissions Office at Penn State Harrisburg. Students should work closely with their academic adviser at CSM and with Penn State Harrisburg for the most up-to-date information.

<u>PSH COURSES</u>	<u>PSH Credits</u>	<u>CSM COURSES</u>	<u>CSM Credits</u>
ENGLISH COMPOSITION			
ENGL 15 (GWS)	3	[] ENG 1010 (GWS)	3
ENGL 202C (GWS)	3	[] ENG 2050 (GWS)	3
SPEECH			
CAS 100 (GWS)	3	[] COM 1010 OR COM 1650 (GWS)	3
QUANTIFICATION (GQ)			
MATH 140*	4	[] MTH 1200 (GQ)	4
MATH 141*	4	[] MTH 1210 (GQ)	4
NATURAL SCIENCE (GN)			
PHYS 211 (GN)*	4	[] PHY 1210 AND [] PHY 1210L OR [] PHY 1310 (GN)	4
PHYS 212 (GN)	4	[] PHY 2200 AND [] PHY 2200L OR [] PHY 2300 (GN)	4
CHEM 110 & 111 (GN)*	4	[] CHE 1200 AND [] CHE 1200L (GN)	4
HUMANITIES (GH)			
	3	[]	3
	3	[]	3
ARTS (GA)			
	3	[]	3
	3	[]	3
SOCIAL SCIENCE (GS)			
ECON 102 OR 104 (GS)	3	[] ECN 2020 OR 2025 (GS)	3
	3	[]	3
HEALTH & PHYSICAL ACTIVITY (GHA)			
	1	[]	1
	1	[]	1
	1	[]	1

A detailed description of the Mechanical Engineering program is available at

<https://bulletins.psu.edu/undergraduate/colleges/capital/mechanical-engineering-bs/>

ENGINEERING GRAPHICS: EDSGN 100	3	<input type="checkbox"/> EGR 1100	3
STATICS: E MCH 211	3	<input type="checkbox"/> EGR 1210	3
DYNAMICS: E MCH 212	3	<input type="checkbox"/> EGR 2210	3
MATRICES: MATH 220	2	<input type="checkbox"/> MTH 2220	4
ADVANCED CALCULUS: MATH 230	4	<input type="checkbox"/> MTH 2200	4
DIFFERENTIAL EQUATIONS: MATH 251	4	<input type="checkbox"/> MTH 2210	4

*Entrance-to-Major requirements