

ELECTRICAL ENGINEERING

Transfer Guide for Penn State Harrisburg / Mercer County Community College

Mercer County Community College (MCCC) and Penn State Harrisburg (PSH) have established this transfer guide so that students have a clear idea about the coursework that they should complete in order to best transfer into a Bachelor's Degree in Electrical Engineering at Penn State Harrisburg. For a B.S. degree in Electrical Engineering a minimum of 134 credits is required.

The Bachelor of Science degree in Electrical Engineering is designed to provide a solid background in electrical engineering sciences. It also provides an opportunity for students to pursue interests in electrical and electronic circuits, including digital circuits and VLSI and its fabrication, microprocessors and their applications, electromagnetics, communications, control systems, and digital image processing and computer vision. Through a senior capstone design project, the curriculum emphasizes written as well as verbal communication and a teamwork approach among students to attain a common goal.

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

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

Admission Requirements:

1. Before transferring, MCCC 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.*
3. Students are required to have completed MAT 146 or higher at MCCC or trigonometry or higher from high school.

Recommendations/Notes:

1. Students are encouraged to complete the MCCC equivalent of the Entrance-to-Major requirements: MATH 140 GQ(4), 141 GQ(4), PHYS 211 GN(4) and CHEM 110 GN(3), 111 GN(1).
2. 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 also counts toward the completion of a baccalaureate degree.
3. The evaluation of all other prior college work is done on an individual basis by the Office of Enrollment Services at Penn State Harrisburg. Students should work closely with their academic adviser at MCCC and with Penn State Harrisburg for the most up-to-date information.

<u>PSH COURSES</u>	<u>PSH Credits</u>	<u>MCCC COURSES</u>	<u>MCCC Credits</u>
ENGLISH COMPOSITION ENGL 015 (GWS) ENGL 202C (GWS)	3	[] ENG 101	3
SPEECH CAS 100 (GWS)	3	[] CMN 112	3
QUANTIFICATION (GQ) * MATH 140 * MATH 141	4	[] MAT 151	4
	4	[] MAT 152	4
NATURAL SCIENCE (GN) *PHYS 211 (GN) PHYS 212 (GN) *CHEM 110 & 111 (GN)	4	[] PHY 115	4
	4	[] PHY 215	4
	4	[] CHE 101	4
HUMANITIES (GH)	3	[]	3
	3	[]	3
ARTS (GA)	3	[]	3
	3	[]	3
SOCIAL SCIENCE (GS) ECON 102 (GS) or 104 (GS)	3	[] ECO 111 or 112	3
	3	[]	3
HEALTH & PHYSICAL ACTIVITY (GHA)	1	[]	1
	1	[]	1
	1	[]	1
DIFFERENTIAL EQUATIONS: MATH 250	3	[] MAT 252	4
MATRICES: MATH 220 (GQ)	2-3	[] MAT 208	4

ADVANCED CALCULUS: MATH 230	4	[] MAT 251	4
ENGINEERING GRAPHICS: EDSGN 100	3	[] DRA 238	3
STATICS: E MCH 211	3	[] CIV 103	3
COMPUTER PROGRAMMING CMPSC 121 or 201 or 202 (GQ)	3-4	[] COS 102	4
STATISTICS: STAT 200	4	[] MAT 201	4
<i>a detailed description of the complete program can be found at http://php.scripts.psu.edu/dept/iit/hbg/Programs/Undergraduate/ElectricalEng.php</i>			

* Entrance-to-Major Requirement (ETM)