

Addendum B (unofficial)

Program to Program Articulation

Westmoreland County Community College Associate in Liberal Arts

Penn State Baccalaureate of Science in Mechanical Engineering, Industrial Engineering, Computer Engineering, Electrical Engineering, Computer Science, and Software Engineering, Polymer Engineering and Science

Program delivered at Penn State Behrend

WCCC Liberal Arts Liberal Arts - Transfer Degree Westmoreland County Community College, Youngwood, Pennsylvania		Penn State Behrend Engineering (BCEGN) School of Engineering Penn State Behrend (psu.edu)			
Course Requirements	Credits	Course	Requirement	Credits	Direct/ Substitution
CPT 180 C++ Programming	3	CMPSC 200 (3) – Programming for Engineers with MATLAB	Major Requirement	3	Sub
MTH 172-Analytical Geometry and Calc I	4	MATH 140 (4) – Calculus I	General Education Quantification Requirement (GQ) and Major Requirement	4	Direct
MTH 173-Analytical Geometry and Calc II	4	MATH 141 (4) – Calculus II	General Education Quantification Requirement (GQ) and Major Requirement	4	Direct
MTH 275-Linear Algebra	3	MATH 220 (2) – Matrices	General Education Quantification Requirement (GQ) and Major Requirement	2	Direct
MTH 276-Ordinary and Partial Differential Equations	4	MATH 251-Ordinary and Partial Differential Equations	General Education Quantification Requirement (GQ) (check academic plan to see if it is needed for the major interest)	4	Sub
MTH 272-Differential Equations	3	MATH 250 (3) – Differential Equations	General Education Quantification	3	Direct

		Note: students will need to take a 1-credit MATH 252, Partial Differential Equations course at Penn State, since 4 credit Math 251 is required for the ME program.	Requirement (GQ) and Major Requirement		
CHM 150/151-General Chemistry I	4	CHEM XFRGEN (3) Chemical Principles CHEM XFRGEN (1) – Experimental Chemistry	Requirement (GN) and Major Requirement or Elective	4	Substitution
PHY 255-Engineering Physics I	5	PHYS 211 (4) – Physics: Mechanics PHYS XFRGEN (1)	Requirement (GN) and Major Requirement or Elective	5	Direct
PHY 256-Engineering Physics II	5	PHYS 212 (4) – Physics: Electricity & Magnetism PHYS XFRGEN (1)	Requirement (GN) and Major Requirement or Elective	5	Direct
EGR 101-Intro to Engineering	3	ENGR XFR100 (3) – Introduction to Engineering Design	Major Requirement	3	Substitution
EGR 221-Statics/Strength of Materials	4	EMCH 111 (3) – Statics EMCH XFRGEN (1)	Requirement (GN) and Major Requirement or Elective	4	Substitution
ENG 161-College Writing	3	ENGL 015 (3) – Composition and Rhetoric	General Education Writing/Speaking Requirement (GWS)	3	Direct
ENG 164-Advanced Composition	3	ENGL XFRGH	General Education Humanities (GH)	3	Direct
SPC 155-Speech Communications	3	CAS 100A – Speech Communications	General Education Writing/Speaking Requirement (GWS)	3	Direct
ENG 225 ENG 240 ENG 255 ENG 264 ENG 270 HIS 155		General Education Humanities (GH)	General Education Humanities (GH)	6	Direct

HIS 156 HIS 249 His 256 His 262 PHL 155 PHL 160 SOC 255 REL 171					
ART 143 ART 155 ART 160 ART 162 ART 165 ART 172 MUS 131 MUS 155 THR 159 VPP 120		Art Elective	Art Elective (GA)	6	Direct
ECN 255-Macroeconomics ECN 256-Microeconomics	6	ECON 104 (GS) – Intro Macroeconomics ECON 102 (GS) – Intro Microeconomics	Major Required Course and General Education Social and Behavioral Science	6	Direct
ALH 110 FSM 159 HMS 171 or 172 HPE 156 SWK 172		General Health and Wellness	General Health and Wellness	3	Direct and Sub
Any Course designated as: CHM PHY BIO EPS		General Education Natural Sciences Requirement (GN)	General Education Natural Sciences Requirement (GN)	3	Direct
TOTAL CREDITS	69			74	

Penn State requires that students complete 18 credits of Social Science (GS), Humanities (GH), and Arts (GA) credits. These course selections need to be balanced among the three areas and meet Penn State's International (IL) and US cultures requirements. We recommend that Westmoreland students take 12 of these credits (4 courses) prior to transferring to Penn State Behrend, and we recommend the above choice of courses to meet the Penn State GS, GH, GA, US, and IL requirements.

ALWAYS CHECK THE PSU TRANSFER TOOL FOR EQUIVALENCIES

[Transfer Credit Tool \(psu.edu\)](https://psu.edu/transfer-credit-tool)