

**Addendum B**

## Program to Program Articulation

## Westmoreland County Community College Science and Math Programs

Penn State Baccalaureate of Science in Chemistry, Environmental Science, Interdisciplinary Science and Business, Mathematics, Physics, and Science

*Program delivered at Penn State Behrend*

WCCC Science and Math Programs <a href="#">Programs of Study: Degrees, Diplomas &amp; Certificates   Westmoreland County Community College, Youngwood, Pennsylvania</a>		Penn State Behrend Science (BCSCN) <a href="#">School of Science   Penn State Behrend (psu.edu)</a>			
Course Requirements	Credits	Course	Requirement	Credits	Direct/ Substitution
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 272-Differential Equations	3	MATH 250-Differential Equations	General Education Quantification Requirement (GQ) (check academic plan to see if it is needed for the major interest)	3	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 275-Linear Algebra	3	MATH 220-Linear Algebra	General Education Quantification Requirement (GQ) (check academic plan to	2	Direct

			see if it is needed for the major interest)		
CHM 155-General Chemistry I	4	CHEM 110 (3) Chemical Principles CHEM 111 (1) – Experimental Chemistry	Requirement (GN) and Major Requirement or Elective	4	Direct
CHM 156-Gen Chem II	4	CHEM 112 Chem Princ. II CHEM 113 Lab	Requirement (GN) and Major Requirement or Elective	4	Direct
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
ENG 161-College Writing	3	ENGL 015 (3) – Composition and Rhetoric	General Education Writing/Speaking Requirement (GWS)	3	Direct
ENG 162-Technical Communication	3	ENGL 202C (3) – Technical Writing	General Education Writing/Speaking Requirement (GWS)	3	Direct
SPC 155-Speech Communications	3	CAS 100A – Speech Communications	General Education Writing/Speaking Requirement (GWS)	3	Direct
Humanities Elective (GH) ENG 225 ENG 240 ENG 255 ENG 264 ENG 270 HIS 155 HIS 156 HIS 249 His 256 His 262 PHL 155 PHL 160 SOC 255	6	General Education Humanities (GH)	General Education Humanities (GH)	6	Direct

REL 171					
Art Elective (GA) ART 143 ART 155 ART 160 ART 162 ART 165 ART 172 MUS 131 MUS 155 THR 159 VPP 120	6	Art Elective	Art Elective (GA)	6	Direct
Social and Behavioral Science (GS) ECN 155-Macroeconomics ECN 156-Microeconomics	6	Approved Social Sciences (GS)	Major Required Course and General Education Social and Behavioral Science	6	Direct
General Health and Wellness (GHW) ALL PHED COURSES ALH 110 FSM 159 HMS 171 or 172 HPE 156 SWK 172	3	General Health and Wellness	General Health and Wellness	3	Direct and Sub
Science Elective (GN) Any Course designated as: CHM PHY BIO EPS	6  Varies depending on major, please see PSU bulletin to see which courses to register.	General Education Natural Sciences Requirement (GN)	General Education Natural Sciences Requirement (GN)	6	Direct  Will Sub to meet major requirement, if needed
<b>TOTAL CREDITS</b>	64		64		

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.

For Interdisciplinary Science and Business, use PSU Bulletin to see what additional courses will be needed.

[Interdisciplinary Science and Business, B.S. | Penn State \(psu.edu\)](#)

ALWAYS CHECK THE PSU TRANSFER TOOL FOR EQUIVALENCIES

[Transfer Credit Tool \(psu.edu\)](#)