

**Penn State Harrisburg**

**Appendix AW: General Studies to Mechanical Engineering Technology**

<b>Cecil College</b>	<b>CR</b>	<b>Penn State Harrisburg Equivalencies</b>	<b>CR</b>
<b>FIRST SEMESTER (fall)</b>			
PED 104- Walking for Fun and Fitness I	1	KINES General Credits	1
COU 101- Career Development	3	N/A	3
<b>SECOND SEMESTER (spring)</b>			
HEA 130- Healthful Living I	3	BBH 101 Introduction to Behavioral Health (GHA)	3
PED 204- Walking for Fun and Fitness II	1	KINES General Credits	1
<b>THIRD SEMESTER (fall)</b>			
CIS 101- Intro. to Computer Concepts	3	CMPSC 100 Computer Fundamentals (IST 110/110S- Information, People and, Technology may be substituted)	3
SPH 141- Public Speaking	3	CAS 100 Effective Speech (GWS) may be substituted	3
<b>FOURTH SEMESTER (spring)</b>			
MUC 122- Music Appreciation	3	MUSIC 005 An Introduction to Western Music (GA)	3
SOC 101- Introduction to Sociology	3	SOC 001 Introductory Sociology (GS)	3
<b>FIFTH SEMESTER (fall)</b>			
EGL 101- College Composition	3	ENGL 015 Rhetoric and Composition (GWS)	3
HST 110- World History I or HST 201 United States History I	3	HIST 010 World History I (GH;IL) or HIST 020 American Civilization to 1877 (GH;US)	3
Concentration Elective	3-4	General Elective (with advisor and/or faculty approval)	3-4
<b>SIXTH SEMESTER (spring)</b>			
EGL 102 Composition and Literature (H) or EGL 211 Technical Writing	3	ENGL 1 Understanding Literature (GH) or ENGL 202C Technical Writing (GWS)	3
HST 111- World History II	3	HIST 011 World History II (GH;IL)	3
PSC 105- General Physical Science w/Lab	4	Physical Science with Lab Requirement (GN)	4
Concentration Elective	3-4	General Elective (with advisor and/or faculty approval)	3-4
<b>SEVENTH SEMESTER (fall)</b>			
PHI 101- Introduction to Philosophy	3	PHIL 001 Basic Problems of Philosophy (GH)	3
Social Science Elective or PSY 101 Introduction to Psychology or ECO 222 Economics- Macro or ECO 221 Economics-Micro or SOC 102 Social Problems or POS 101 Introduction to Political Science	3	GS Credit Requirement or PSYCH 100 Introductory Psychology (GS) or ECON 102- Introductory Microeconomic Analysis and Policy (GS) or ECON 104 Introductory Macroeconomic Analysis and Policy (GS) or SOC 005 Social Problems (GS) or PLSC 001-Introduction to American National Government (GS)	3
Concentration Elective	3-4	General Elective (with advisor and/or faculty approval)	3-4
MAT 127- Introduction to Statistics	4	STAT 200 Elementary Statistics (GQ)	3
<b>EIGHTH SEMESTER (spring)</b>			
MAT 125 Applied Calculus (M) or MAT 201 Calculus I with Analytic Geometry (M) or MAT 202 Calculus II with Analytic Geometry (M)	4	MATH 110 -Techniques of Calculus I (GQ) or MATH 140 Calculus with Analytic Geometry I (GQ) or MATH 141 Calculus with Analytic Geometry II (GQ)	3
BIO 101 & 111 General Biology with Lab or BIO 200/210 Microbiology and Lab, or CHM 103 &113 General Chemistry I with Lab, or PHY 181 Introductory College Physics I with Lab, or BIO 208 & BIO 218 Human Anatomy and Physiology I with Lab or PHY 217 General Calculus Physics I with Lab, or PHY 218 General Calculus Physics II with Lab	4	BIOL 110 Basic Concepts and Biodiversity (GN) or MICRB 106/107 Introductory Microbiology and Lab or CHEM 110/111 Chemical Principles with Lab (GN) or PHYS 250 Introductory Physics I (GN), or BIOL 141/142 Introductory Physiology with Lab (GN), or PHYS 211 General Physics: Mechanics (GN), or PHYS 212 General Physics: Electricity and Magnetism (GN)	4
Concentration Elective	3-4	General Elective (with advisor and/or faculty approval)	3-4