

## Health Science, AS

### School of Math, Science and Engineering

#### Program Description

The Health Science AS degree provides the foundation necessary to prepare students for admission to a Health Professions program at Westmoreland or to transfer to a health science or health professions program at a four-year institution to pursue a career in a health-related field requiring a bachelor's or higher degree. The curriculum provides students with a balance of mathematics, science, humanities, English, social sciences, and computer skills relevant to employment in health care professions or health-related fields.

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify anatomical structures and explain the physiological aspects and functions of the human body.
- Demonstrate the use of scientific and mathematical reasoning in the critical analysis and evaluation of problems and the development of research-based solutions.
- Discuss the mental processes and behaviors associated with human psychology.
- Demonstrate mastery of vocabulary and appropriate terminology to understand and effectively communicate information related to anatomy and physiology.
- Demonstrate basic understanding of pharmacology and its use in the treatment of a variety of health conditions.
- Discuss nutrition in the context of body function, lifespan, social, economic, and psychological implications.

Sugg. Term	Seq #	Course ID	Course Title	Cr	Prereq/Coreq(Co)	Options Available
1st Fall	1	PDV 101	First Year Seminar	1		
	2	ENG 161	College Writing	3	ENG 085 with Permission of Instructor, ENG 095 or Placement	
	3	BIO 171	Anatomy & Physiology I	4	CHM 107, CHM 150/151, CHM 225, HS chemistry (C or better) and ENG 095 or Placement	
	4	PSY 160	General Psychology	3		
	5	SOC 155	Principles of Sociology	3		
	6	PHL 102	Critical Thinking	3		
1st Spring	7	ENG 164	Advanced Composition	3	ENG 161	
	8	BIO 172	Anatomy Physiology II	4	BIO 171 (C or better)	
	9	ALH 122	Medical Terminology	3		
	10	CPT 150	Microcomputer Concepts	3		
	11	MTH 157	College Algebra	3	MTH 100 or Placement	
2nd Fall	12	BIO 265	Microbiology	4	BIO 155 or BIO 171 and CHM 107, CHM 150/151, CHM 225 or HS chemistry (C or better), ENG 095 or Placement	
	13	ALH 120	Pharmacology	3	MTH 050 or Placement	
	14	PSY 161	Human Growth and Development	3	PSY 160	
	15	Elective	Humanities Elective	3	Varies	Page 21 Column II
	16	CHM 150	General Chemistry I Lecture	3	HS chemistry (C or better) or CHM 107, MTH 052 or Placement	
2nd Spring	17	CHM 151	General Chemistry I Lab	1	Co: CHM 150	
	18	CHM 160	General Chemistry II Lecture	3	CHM 150/151	
	19	CHM 161	General Chemistry II Lab	1	Co: CHM 160	
	20	SPC 155	Effective Speech	3		
	21	FSM 159	Nutrition	3		
	22	MTH 160	Introduction to Statistics	3	MTH 052 or Placement	

Minimum Program Credits

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HLS