

I. Core Curriculum Requirements: Chemistry 1101, 1102 will count toward the science requirement. Math 1025 will count toward the math requirement.

NOTE: Some courses listed in Section I will be used in Section II.

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II. A major in Biology leading to the Bachelor of Science degree in Clinical Laboratory Sciences consists of 90 semester hours of work at Appalachian and 32 semester hours of work at an affiliated medical technology school. The 90 semester hours at Appalachian include 44 semester hours in core curriculum; 31 semester hours in biology; 16 semester hours in chemistry; 7 semester hours in math; and electives to complete 90 semester hours at Appalachian State University. Specific courses are as follows:

Note: A 2.0 average must be maintained in the major. (Includes BIO, CHE, MAT & STT)

BIOLOGY:

- 1110 _____ Concepts of Biology
- 2000 _____ Introduction to Botany
- 2001 _____ Introduction to Zoology
- 3301 (W, ND) _____ Animal Physiology
- 3306 (ND) _____ Genetics
- 3308 _____ Bacteriology
- 3800 (W, ND, C) _____ Molecular Biology
- 4568 _____ Immunology

CHEMISTRY:

- 1101 (ND), 1110 _____ Introductory Chemistry I & lab
- 1102 (ND), 1120 _____ Introductory Chemistry II & lab
- 2201, 2203 _____ Organic Chemistry I & lab
- 2202, 2204 (W) _____ Organic Chemistry II & lab

MATH:

- MAT 1025 (ND) _____ Algebra and Elementary Functions
- STT 2810 (ND, C) _____ Intro to Data Analysis & Statistical Inference

<u>Major Designators</u>	
2 Writing (W) _____	
1 Speaking (S) _____	
Communication Proficiency _____	
<u>Other Designators</u>	
4 Writing (W) _____	
(ENG 1000/1100 will count as 2 W)	
4 Multi Cultural (MC) _____	
(HIS 1101/1102 will count as 2 MC)	
1 Cross Disciplinary (CD) _____	
2 Numerical Data (ND) _____	
2 Computer (C) _____	

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 Core Curr. **-12**

NOTE: 12 sh of chemistry and math are counted in Core Curriculum Requirements.

III. Courses (32 s.h.) taken at an affiliated medical technology school include Clinical Chemistry (nine semester hours), Clinical Microbiology (ten semester hours), Clinical Microscopy (nine semester hours), and Blood Banking (four semester hours).

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IV. Free electives to total a minimum of 122 s.h.
 (2 s.h. of free electives must be outside the major discipline.)

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