

## Health Science Graduation Requirements (class entering Fall 2016 and beyond)

**Table. 1 Core Courses required for all Butler graduates**

Core requirements	Transfer credit	Enrolled	Completed
FYS 101 ( <i>First Year Seminar</i> ; 3 hrs) or HN 110 ( <i>Honors FYS</i> ; 4 hrs)			
FYS 102 ( <i>First Year Seminar</i> ; 3 hrs) or HN 111 ( <i>Honors FYS</i> ; 4 hrs)			
PCA ( <i>Perspectives in the Creative Arts</i> ; 3 hrs)			
TI ( <i>Text &amp; Ideas</i> ; 3 hrs)			
AR (Any <i>Analytical Reasoning Course</i> , MA 125 Business Calculus, or MA 106; $\geq 3$ hrs)			
GHS ( <i>Global &amp; Historical Studies</i> ; 3 hrs)			
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SW ( <i>Social World</i> ; 3 hrs) <i>Recommend that this requirement be met by a psychology or sociology course</i>			
PWB ( <i>Physical Well-Being</i> ; 1 hr)			
ICR ( <i>Indianapolis Community Requirement</i> ; 1 class)			
BCR ( <i>Butler Cultural Requirement</i> ; 8 events)	X	X	

**Table 2. Health related courses required for Health Science majors.**

BSHS requirements	Transfer credit	Enrolled	Completed
BSHS 110 <i>Introduction to Healthcare</i> ; 3 hrs			
PE 128 <i>Introduction to Health Education</i> ; 2 hrs			
BSHS 215 <i>Medical Terminology</i> ; 2 hrs			
BSHS 225 <i>Interprofessional Health Education</i> ; 2 hrs			
BSHS 230 <i>Healthcare Systems &amp; Policy</i> ; 2 hrs			
BSHS 340 <i>Healthcare Communications</i> ; 3 hrs ( <i>fulfills SAC requirement</i> )			
BSHS 360 <i>Healthcare Ethics</i> ; 3 hrs ( <i>fulfills WAC requirement</i> )			
BSHS 450 <i>Healthcare Biostatistics</i> ; 3 hrs			
BSHS 460 <i>Evidence-Based Healthcare</i> ; 3 hrs			
BSHS 470 <i>Introduction to Pharmacology</i> ; 4 hrs			
BSHS 490 <i>Exploring Public Health</i> ; 3 hrs			
Social Science – a second psychology or sociology course of choice; <i>tailor selection to graduate program prerequisites</i>			

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**Table 3. Science courses required for Health Science majors**

Science Requirements	Transfer credit	Enrolled	Completed
CH 105 <i>General Chemistry 1</i> ; 5 hrs			
CH 106 <i>General Chemistry 2</i> ; 5 hrs			
CH 107 <i>General Chemistry</i> ; 6 hrs ( <i>advanced 1 semester alternative to CH 105 and CH 106</i> )			
BI 105 <i>Cell Biology</i> ; 3 hrs ( <i>taken by most health science majors</i> )			
BI 220 <i>Cell Biology</i> ; 4 hrs ( <i>alternative to BI 105; often taken by pre-medical students</i> )			
BI 325 <i>Principles of Pathogenic Microbiology</i> ; 3 hrs			
PX 326 <i>Anatomy &amp; Physiology 1</i> ; 4 hrs			
PX 336 <i>Anatomy &amp; Physiology 1 Lab</i> ; 1 hr			
PX 327 <i>Anatomy &amp; Physiology 2</i> ; 4 hrs			
PX 337 <i>Anatomy &amp; Physiology 2 Lab</i> ; 1 hr			

**Table 4. Other Science courses required or elective for Health Science majors**

Other Science – at least 13 hrs required; may take additional 7 hrs as elective	Transfer credit	Enrolled	Completed
CH 351 <i>Organic Chemistry 1</i> ; 5 hrs			
CH 352 <i>Organic Chemistry 2</i> ; 5 hrs			
CH 361 <i>Biochemistry 1</i> ; 4 hrs <i>Note: CH 352 is prerequisite</i>			
BI 210 <i>Genetics - Fundamentals</i> ; 4 hrs			
BI 323 <i>Principles of Immunology</i> ; 2 hrs			
PH 107 <i>Elementary Physics 1</i> ; 4 hrs			
PH 108 <i>Elementary Physics 2</i> ; 4 hrs			
RX 316 <i>Pathophysiology</i> ; 4 hrs <i>Note: BI 325 is prerequisite</i>			
RX 312 <i>Clinical Biochemistry &amp; Metabolism</i> ; 4 hrs <i>Note: CH 352 is prerequisite</i>			
PE 324 <i>Anatomy &amp; Physiology of Exercise</i> ; 5 hrs			

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**Table 5. Elective courses\***

Electives courses – <i>at least 17 hrs required (no more than 7 hrs from BI, CH, or PH)</i>	Hrs	Transfer credit	Enrolled	Completed

**Total credits:** \_\_\_\_\_

\*For a list of Butler University courses approved as electives for BSHS majors, please see the *Elective Choices for the BSHS Program* document. The minimum number of credit hours for the Health Science major (BSHS degree) is 120.