BSHS Graduation Requirements: Health Science Major
Applies to students entering Fall 2016 and beyond

Butler Core requirements (required of all Butler students, regardless of major): (25 – 30 hours depending on courses selected)

___ FYS 101 (3hrs) or HN 110 (4hrs) First Year Seminar 1
___ FYS 102 (3hrs) or HN 111 (4hrs) First Year Seminar 2
___ GHS Global and Historical Studies (3 hrs.)
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___ PCA Perspectives in the Creative Arts (3 hrs.)
___ TI Text and Ideas (3 hrs.)
___ SW Social World (3 hrs.)*
___ AR Analytical Reasoning (any AR course, MA125 Business calculus, or MA 106, at least 3 hrs.)

___ ICR  Indianapolis Community Requirement (ICR): Students must also have a class that meets the ICR core requirement.

* Two courses in the social sciences are required in the BSHS program. Two psychology courses are encouraged; however, one psychology (SW 250 Psychological Inquiry) and one sociology-related course is acceptable.

___ WAC The Writing Across the Curriculum (WAC) requirement is met by the required Healthcare Ethics course

___ SAC The Speaking Across the Curriculum (SAC) requirement is met by the required Healthcare Communications course

___ BCR Butler Cultural Requirement (BCR) - “Eight before you graduate”- Must attend at least 8 cultural events; please try to get these requirements satisfied early and have no semester with less than 2.

Required health related courses for all students in the health science major (33 hours)

___ BSHS 110 Introduction to Healthcare (3 hrs.)
___ BSHS 215 Medical Terminology (2 hrs.)
___ BSHS 225 Interprofessional Health Education (2 hrs.)
___ BSHS 230 Healthcare Systems and Policy (2 hrs.)
___ BSHS 360 Healthcare Ethics (3 hrs.- must take junior year or later to meet WAC core requirement)
___ BSHS 340 Healthcare Communications (3 hrs.- take junior year or later to meet SAC core requirement, prerequ = BSHS 215)
___ BSHS 490 Exploring Public Health (formerly RX 647, 3 hrs.) or similar public health course
___ BSHS 450 Healthcare Biostatistics (3 hrs.)
___ BSHS 460 Evidence Based Healthcare (3 hrs. - prereqs = BSHS 110, BSHS 230, BSHS450)
___ BSHS 470 Introduction to Pharmacology (4 hrs.- senior level course)
___ PE 128 Introduction to Health Education (2 hrs.)
___ SW Additional social science course above the core SW requirement, at least one of which needs to be psychology
Science Requirements

All health science majors must take all of the following courses: (25-30 hours, depending on which general chemistry sequence and which cell bio course taken.)

___ BI 105 (3 hrs.) or BI 220 (4 hrs.) Cell Biology
___ BI 325 Microbiology (3 hrs.)
___ CH105 (5 hrs.) or CH 107 (6 hrs.) General Chemistry 1
___ CH 106 (5hrs.) or CH 107 (6hrs.) General Chemistry 2
___ PE 324 Physiology of Exercise (3 hrs.)
___ PX 326+PX 336 Anatomy & Physiology with lab 1 (formerly PX 334, 5 hrs.)
___ PX 327 + PX 337 Anatomy & Physiology with (formerly PX 335, 5 hrs.)

And no less than 10 hours of your choice of the following courses (suggest students choose based on desired career path):

___ BI 210 Genetics (4 hrs.)
___ BI 323 Immunology (2 hrs.)
___ CH 351 Organic Chemistry 1 (5 hrs.)
___ CH 352 Organic Chemistry 2 (5 hrs.)
___ CH 361 Biochemistry 1 (4 hrs., prereq CH 352)
___ PH 107 Physics 1 (4 hrs.)
___ PH 108 Physics 2 (4 hrs.)
___ RX 312 Clinical Biochemistry (4 hrs. prereg CH 352)
___ RX 316 Pathophysiology (4 hrs.)

(Some courses with RX designators may need permission numbers for non-pharmacy students to enroll, please contact Ms. Brenda Caudill in the Dean’s office.)

Elective Requirements: No less than 17 credit hours of elective courses

See separate elective sheet for course suggestions. Match elective courses to desired career path.

This major is purposefully designed to be sufficiently flexible to allow students to optimally prepare for a wide variety of healthcare related career paths/graduate programs. In order to allow students to focus on their desired career path while still ensuring a well-rounded preparation, a large number of health science related (HS) electives are required. Students need no less than 17 hours of HS electives.

Students that took courses that met content requirements but at a different number of credit hours than the usual course, such as those taking CH 107 instead of CH 105/106, may need more than 17 credit hours of HS electives. The minimum number of credit hours required for graduation in this major is 120.
In order for a course to be eligible to satisfy the HS elective requirement, it must be offered at the 200 level or above and meet at least one of the following criteria:

- **Have a clear connection to healthcare**
- **Be a natural or social science course that is a prerequisite requirement for admission into a desired healthcare-related graduate program**

The following additional limitations apply:

- **No course used to satisfy a HS elective requirement may be used to satisfy any other aspect of the required curriculum.** (For example, one course could not simultaneously meet an elective and core requirement.)
- **No more than 6 credit hours of HS elective coursework may “double count” with a minor, concentration, honors program, etc. Some minors/programs may have more specific requirements not allowing even 6 hours to “double count.” If there is a discrepancy between policies, the policy with the smallest allowed amount of overlap takes precedence.**
- **Of the 17 required credit hours of HS electives, no more than 10 of these can be in the natural sciences with designators of BI, CH, or PH.**

**Minimum number of credit hours required for BSHS degree = 120**