

**HEALTH SCIENCES, CONCENTRATION-PHYSICAL SCIENCES ACADEMIC MAP: DEGREE BS
(120 CREDIT HOURS)**

This degree map is a semester-by-semester course schedule for students majoring in **Health Sciences with a concentration in Physical Sciences**. The milestones listed to the right of each semester are designed to keep a student on track to graduate in four years. The schedule serves as a general guideline to help build a full schedule each semester. The milestones include courses and special requirements necessary for students to complete the requirements for the degree on a timely basis. When one or more milestones are missed, students should consult with an academic advisor to determine if another degree path would be more suitable.

Acceptance into Tennessee State University (TSU) does not guarantee acceptance into the Health Science Program. In order to enroll in courses within the major (Health Care Administration courses and Health Science courses), students must be accepted into the program by submitting a Public Health, Health Administration and Health Sciences (PHHAHS) Department Application. A minimum GPA of 2.5 (on a 4.0 scale) is required to be considered for admission to the Bachelor degree program in Health Sciences, Physical Science concentration. Students may submit a Department Application during their first semester sophomore year. Applications are accepted and processed year-round for admission to the program. There are no deadlines to apply for admission. The application packet consists of: a department application; two letters of recommendation, a personal goals statement, and a recent transcript.

After a student is accepted for admission to the Health Science (Physical Sciences concentration) Program, they must adhere to the following retention policy to remain in the Health Science Program:

1. Students must maintain minimum cumulative grade point average of 2.0 (on scale of 4.0).
2. Students must earn a "C" or better in all major courses and supporting courses in Science, English, and Mathematics. However, students must earn a "B" or better in all eight (8) Science courses. If a student earns a grade less than a "B" in the Science courses, they will be required to repeat the course. Failure to maintain a "C" in Mathematics, English, Health Science and Health Care Administration and other supporting courses will result in the student repeating the course the next semester the course is offered with the approval of the Advisor.
3. Students who earn a grade less than "C" in the same HCAP or HLSC courses for two semesters will be dismissed from the Health Sciences Program.

If a student is dismissed from the program for poor academic performance, they may re-apply for readmission to the *Health Sciences* Program. Students who request readmission should present evidence to the Department Admissions Committee of a substantial change in their circumstances which warrants reconsideration and explain the circumstances that led to their poor performance and what they plan to do to improve their academic performance (i.e., seek tutoring).

Students who opt to major in *Health Sciences, Physical Science concentration* should graduate with an overall GPA of 3.0 (on a 4.0 scale). In order to be competitive when applying to a graduate program in Physical Therapy, the PHHAHS Department recommends a GPA of 3.2 (on a 4.0 scale).

Students who opt to major in Health Sciences (Physical Sciences concentration) must earn a "B" or better in all eight (8) science courses (BIOL 2210/2211, BIOL 2220/2221, BIOL 1110/1111, BIOL 1120/1121, CHEM 1110/1111, CHEM 1120/1121, PHYS 2010/2011, PHYS 2020/2021) in order to be competitive when applying for graduate programs in Physical Therapy. Although Pre-calculus I (MATH 1710) is required by the PHHAHS Department, the Physics Department requires Pre-Calculus II (MATH 1720) before students can enroll in Physics I. If a student has good MATH skills, they can take one calculus course (MATH 1730). Students who select the Physical Science concentration are required to complete 20 observation hours within a facility where Physical Therapists practice and they must graduate with a minimum GPA of 3.0 (on a 4.0 scale). In order to be competitive when applying to a Physical Therapy program, the PHHAHS Department recommends a GPA of 3.2 (on a 4.0 scale).

Tennessee State University provides opportunities for students to earn college credit toward the degree through a number of assessment options that evaluate their learning experiences. These paths are grouped under the category "Prior Learning Assessment" (PLA). Various means of earning PLA credit at TSU are the following: Advance Placement Program, American Council of Education (ACE) Military Credit, American Council on Education (ACE) other Assessed Credit, College Level Exam Program (CLEP), DSST Credit by Examination Program (includes DANTES Examination), Institutional Course Challenge Exams (Departmental Exams), International Baccalaureate Credit, Other Military Service, and a Portfolio

Assessment. To learn more about PLA, contact your academic advisor or the Office of Student Support Services for Adult and Distance Learners at (615) 963-7001.

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Mapping Coordinator:

Department Web Address: http://www.tnstate.edu/phas/health_sciences.aspx

Fall Schedule		Milestones
Semester 1	Hrs.	Semester 1
UNIV 1000*	1	Pre-requisite course: Must be taken before HCAP 2010/2011, Minimum Grade of "P" Required.
ENGL 1010	3	Pre-requisite(s): Must be taken before ENGL 1020, and HIST 2010, HIST 2020, HIST 2030, HIST 2060, HIST 2070 or HIST 2700.
BIOL 2210/2211	4/0	Minimum Grade of "B" Required.
Humanities/ Fine Arts**	3	Minimum Grade of "C" Required.
SOCI 2010	3	Minimum Grade of "C" Required.
Total hours	14	

*A orientation course taken at another University does **NOT** meet this requirement. Students with less than 60 credit hours must take UNIV 1000 at TSU.

**Students must take one three credit hour course from the following list of approved general education Humanities/Fine Art courses: ART 1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1000 or RELS 2010.

Spring Schedule		Milestones
Semester 2	Hrs.	Semester 2
PSYC 2010	3	Minimum Grade of "C" Required.
ENGL 1020	3	Pre-requisite course: Must be taken before HIST 2010, HIST 2020, HIST 2030, HIST 2060, HIST 2070 or HIST 2700; Minimum grade "C" Required.
BIOL 2220/2221	4/0	Minimum Grade of "B" Required.
MATH 1710 or MATH 1730*	3	Pre-requisite course: Must be taken before PHYS 2010/2011, HLSC 4010; Minimum Grade of "C" Required.
Humanities/ Fine Arts**	3	Minimum Grade of "C" Required.
Total hours	16	

*Students have the option of enrolling in MATH 1730 in lieu of MATH 1710 and 1720 with the permission of the Mathematics department head.

**Students must take one three credit hour course from the following list of approved general education Humanities/Fine Art courses: ART 1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1000 or RELS 2010. Students must remember not to duplicate course option from a previous semester.

Fall Schedule		Milestones
Semester 3	Hrs.	Semester 3
ENGL Literature*	3	Minimum Grade of "C" Required.
BISI 2150 or COMP 1210	3	Minimum Grade of "C" Required.
HIST 2010	3	Minimum Grade of "C" Required.
Guided Elective**	1	Pre-requisite course: Must be taken before PHYS 2010/2011; Minimum Grade of "C" Required.
BIOL 1110/1111	4/0	Pre-requisite course: Must be taken before HLSC 3100, HLSC 4300, HLSC 3110; Minimum Grade of "B" Required.
Total hours	14	*Student must submit a department application to the HS Program.

*Courses within the range of ENGL 2110-2320 will meet this requirement.

**Consult with your faculty advisor for elective choices.

Spring Schedule		Milestones
Semester 4	Hrs.	Semester 4
COMM 2200	3	Minimum Grade of "C" Required.
HCAP 2010/2011	3/1	Pre-requisite course: Must be taken before HCAP 3100, HCAP 3800, HLSC 4300; Minimum Grade of "B" Required.
HIST 2020	3	Minimum Grade of "C" Required.
BIOL 1120/1121	4/0	
HIMA 1040	3	Pre-requisite course: Must be taken before HCAP 2010/2011, HLSC 4300; Minimum Grade of "C" Required.
Total hours	17	

Fall Schedule		Milestones
Semester 5	Hrs.	Semester 5
HPSS 3140	3	Minimum Grade of "C" Required.
HCAP 3800	3	Pre-requisite course: Must be taken before HLSC 3050; Admission to the HS Program; Minimum Grade of "C" Required.
HLSC 3000	3	Admission to HS Program and Permission of the Instructor; Minimum Grade of "C" Required.
HLSC 3100	3	Admission to HS Program and Permission of the Instructor; Minimum Grade of "C" Required.
CHEM 1110/1111	3/1	Pre-requisite course: Must be taken before HLSC 3110; Minimum Grade of "B" Required.
Total hours	16	

Spring Schedule		Milestones
Semester 6	Hrs.	Semester 6
HLSC 4010	3	Pre-requisite course: Must be taken before HLSC 4300, HCAP 4900 (the department will accept PSYC 2180 or SOCI 3000); Admission to HS Program and Permission of the Instructor; Minimum Grade of "C" Required.
HLSC 4210	3	Admission to HS Program, Senior Standing and Permission of Department; Minimum Grade of "C" Required.
HLSC Elective*	3	Admission to HS Program and Permission of the Instructor; Minimum Grade of "C" Required.
CHEM 1120/1121	3/1	Pre-requisite course: Must be taken before HLSC 3110; Minimum Grade of "B" Required.
Total hours	13	

*HLSC 3040, HLSC 3060, HLSC 4020

Fall Schedule		Milestones
Semester 7	Hrs.	Semester 7
HLSC 4300	3	Admission to HS Program and Permission of the Instructor; Minimum Grade of "C" Required.
PHYS 2010/2011	3/1	Pre-requisite course: Must be taken before PHYS 2020/2021; Minimum Grade of "B" Required.
PSYC 3000-4000 Level	3	Minimum Grade of "C" Required.
HLSC 3050	3	Admission to HS Program and Permission of the Instructor; Minimum Grade of "C" Required.
HCAP 3100	3	Admission to HS Program and Permission of the Instructor; Minimum Grade of "C" Required.
Total hours	16	

Spring Schedule		Milestones
Semester 8	Hrs.	Semester 8
		Take Senior Exit Exam and Apply for Graduation.
PHYS 2020/2021	3/1	Minimum Grade of "B" Required.
HLSC 3110	3	Admission to HS Program; Minimum Grade of "C" Required.
HLSC 4500	3	Admission to HS Program; Minimum Grade of "C" Required.
HCAP 4900	3	Senior Standing; Admission to HS Program; Minimum Grade of "C" Required.
HLSC 4930	1	Admission to the HS Program; Graduating Senior Status; students are required to pass the Comprehensive Exam with a 70 or above and earn an "S" in the course to graduate..
Total hours	14	

Employment Information:

Health Science majors are employed in a variety of health and health-related settings, which include community health agencies, hospitals, drug companies, business and educational institutions, public health departments, nursing homes, retirement residences, home health agencies, federal, state, and local health departments, the U.S. Military, Veterans Administration Hospitals, HMOs, medical group practices, and insurance companies.

Representative Job Titles Related to this Major:

The bachelor's degree in Health Science (Physical Science) concentration is a completion degree. Most students who complete the degree apply to graduate programs in Physical Therapy.

Representative Employers: N/A

International study is available for all TSU students and may include opportunities for internships or taking course work towards various minors. International study may have an impact on the MAP; therefore, it is important to consult with the academic advisor about this major before participating in an international Program opportunity. Students interested in study abroad opportunities should contact the Office of International Programs and consult with their academic advisor.

This map is not intended to be a contract, either expressed or implied, between the University and the students, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. TSU specifically reserves the right to change, delete or add to any MAP at any time within the student's period of study at the University.