

DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

Mission

The Department of Natural Sciences and Mathematics provides courses of study in Biology, Chemistry/Physics, and Mathematics. The Department purposes to assist students in recognizing the cultural significance of science and mathematics and in gaining proficiency in the use of the scientific method for innovation problem solving through laboratory and technology experiences.

Department Goals

1. To graduate proficient science majors eager to make significant contributions to their profession or to pursue graduate studies;
2. To provide all HT students with an exemplary science core education that explores historical scientific learning and issues relevant for today and the future; and
3. To equip future K---12 science educators with a state-of-the-art foundation in one or more of the sciences.

The Department of Natural Sciences and Mathematics is aware of the global needs and challenges of society today. We, therefore, provide opportunities for men and women to be effectively and competently prepared to contribute to the development of solutions for these needs and challenges as well as to compete in our rapidly changing technological society. Our intent is to address the necessities of a multicultural student population and to provide adaptive curriculums that foster personal confidence and academic excellence. We desire that every student is successful and realize his/her full potential as well as his/her professional and personal goals.

The following degrees are offered by the Department of Natural Sciences and Mathematics.

- Bachelor of Arts in Biology
- Bachelor of Arts in Mathematics
- Bachelor of Science in Biology
- Bachelor of Science in Chemistry
- Bachelor of Science in Mathematics

A minor can be earned in Biology, Chemistry, and Mathematics.

Degree Requirements

The requirements for either the Bachelor of Arts or the Bachelor of Science degree are:

1. A minimum of 120 semester hours.
2. Completion of the required Core Curriculum courses.
3. Selection and completion of a major. Selection of a minor area is strongly recommended for science majors.
4. A grade of “C” or better in each required course taken in the major or minor field receives **credit**. In order to take a course with prerequisite or co-requisite requirements, a student must meet **all** of the requirements prior to enrolling in the course. A student not receiving a grade of “C” or better in a prerequisite course will not be allowed to enroll in the course requiring that prerequisite.
5. Each student in the Department who is seeking a Bachelor’s degree is required to participate in the 2nd year, 3rd year and senior seminar courses. Advanced topics in the major fields as well as pre-professional and career development topics are covered in these seminar courses.
6. Students seeking teacher certification must satisfy the requirements determined by the Teacher Education Program.

Requirements for Transfer Students

1. All requirements for the major or minor listed in this Bulletin must be fulfilled.
2. Credits for courses taken at institutions other than Huston-Tillotson University may be accepted towards the major or minor requirements in the Department of Natural Sciences and Mathematics only if the grade received was a “C” or better and those courses are determined by the Department to be equivalent to courses offered at HT.
3. In the major, at least 14 credit hours of upper division coursework (courses numbered 3000 and above) must be completed at Huston-Tillotson University. This requirement includes at least two semesters of the major Senior Seminar. Third-Year Science Seminar (3101) is not counted towards this 14-hour requirement.
4. Second- and Third-Year Science Seminar course requirements will be determined based on the number of major credits transferred to the University.
5. Students seeking a minor in the Department of Natural Sciences and Mathematics must complete at least 10 semester hours of the minor requirements while in residence at Huston-Tillotson University.