

ENVIRONMENTAL ENGINEERING

The Environmental Engineering program at Tarleton State University is unique in the State of Texas in that it provides baccalaureate level preparation for students to work as environmental engineers. Students are prepared for employment as an engineer and for engineering licensure, as well as for graduate studies. Extensive study in mathematics, engineering, physical sciences, and environmental engineering gives the Environmental Engineering graduate the ability to design components, processes, and systems to meet specifications and the ability to work and communicate effectively in team-oriented, project-management-driven environments. Computer simulation and modern analytical tools are used to solve environmental engineering problems within the fields of water supply and resources, environmental systems modeling, environmental chemistry, wastewater management, solid waste management, hazardous waste management, atmospheric systems and air pollution control, and environmental and occupational health. Students will take a survey course covering all aspects of environmental engineering followed by more comprehensive studies in water resources, water and wastewater management, systems modeling and either air pollution monitoring and control or solid and hazardous waste management. Additional studies in ethics assure that the graduate understands engineers' special responsibilities to protect the health and well being of the general public. See more details at: <http://www.tarleton.edu/~Engineering>.

The first two years of the Environmental Engineering program consist of the courses in the Engineering Program. In order to ensure that students have the solid foundation needed for success in upper level coursework, the student must complete designated courses in the Engineering Program with a grade of "C" or better before being admitted into upper level Environmental Engineering coursework.

THE BACHELOR OF SCIENCE DEGREE IN ENVIRONMENTAL ENGINEERING

Semester Hours

University Core Curriculum

47

See pp. 47-48 for additional information about the Tarleton State University core curriculum requirements. **See p. 402 for course descriptions in PHYS, p. 338 for ENGR, and p. 339 for ENPH.**

Courses Required for BS in Environmental Engineering

A grade of "C" or better is required in each for graduation.

PHYS 122*, 242*	8
ENGR 111, 112, 221, 222, 223, 303, 460	21
ENPH 225	4
ENVE 210, 211, 300, 301, 310, 320, 402, 410, 420, 430	37
MATH 120*, 209, 306, 333	15
CHEM 108, 201	8
Advanced ENVE, HYDR, CS, CHEM, GEOL, BIOL, PHYS elective or one of the following: MATH 300, MATH 350, POLS 310, POLS 410	3

* applies to University Core Curriculum