Bachelor of Science in Environmental Engineering

The Bachelor of Science in Environmental Engineering (BSEnvE) degree program is designed to provide students with comprehensive training in environmental engineering fundamentals. The program has been designed with the goal of receiving accreditation by the Engineering Accreditation Commission of ABET (http://www.abet.org). Accreditation can be sought once the program has had its first graduates; the program was launched at the start of the 2018-19 spring semester. The EnvE degree requires satisfactory completion of a minimum of 126 units as indicated in the BSEnvE Requirements table below. Of the courses listed in that table, the humanities and social sciences courses (except Engr 450X courses) may be taken pass/fail.

The program of study consists of 26 units of physical and biological sciences (i.e., biology, chemistry and physics); 21 units of mathematics and engineering computing; 43 units of core environmental engineering courses; 21 units of humanities, social sciences and technical writing; and 15 units of environmental engineering and science electives. The environmental engineering electives permit students to tailor their studies toward specific goals. Some of these 15 units may be taken in other engineering departments, and one course is explicitly required to be chosen from a set of natural science options. Students, in collaboration with their advisors, design a course of study (subject to certain requirements) for the environmental engineering and science electives. Consult the EECE department website (https://eece.wustl.edu/academics/undergraduate-programs/BS-in-Environmental-Engineering.html) for more details, including the requirements that must be satisfied by these environmental engineering and science electives.

BSEnvE Requirements

Program Educational Objective

The Program Educational Objective for the BSEnvE degree program is that, within a few years of graduation, graduates will do the following:

a. Engage in professional practice, and/or
b. Attain advanced knowledge through graduate education or professional training in environmental engineering or their chosen field.

All will use their knowledge, skill, and abilities to serve society in a way that promotes equity and sustainability and additionally pursue activities that promote professional growth and fulfillment.