

# CVET 297C : Highway Design

This course focuses on the highway design process, beginning with transportation requirements and soil mechanics and continuing with highway location, site planning, geometric design, and pavement design. The knowledge gained equips students for project work. The course culminates with the preparation (using CAD) and presentation of final engineering drawings of a section of roadway. This project is evaluated with respect to alignment, safety, aesthetic impact, construction cost, and professional quality. Labs involve the use of a soil testing lab, and visits to nearby road construction sites will be scheduled.

**Credits** 4

**Lab/Practicum/Clinical Hours** 2

**Lecture Hours** 3

**Prerequisite Courses**

CVET 220C

**Prerequisites**

- For CVET students, CVET 201C and CVET 220C are integrated with CVET 297C and should be completed prior to taking CVET 297C.