

# 2019-2020 TTC Catalog

## CET 204 Fundamentals of Surveying

Lec: 3.0 Lab: 3.0 Credit: 4.0

This course is the study of surveying theory and practice; care and use of instruments; traversing procedures; and computation of closure. Students are introduced to specific methods and principles of spatial measurements and related techniques used in surveying. The course includes linear measurements, leveling, compass and transit/theodolite, theory of errors, areas, stadia, coordinate geometry, state plane coordinates and standard map projections. Lab work consists of horizontal control including distance and angular measurements, traversing and preparation of a plat, and vertical control including the performance of a level loop.

### **Prerequisite**

MAT 170

and

EGT 151

### **Course Offered**

Spring

### **Grade Type**

Letter Grade

### **Division**

Engineering and Construction