

# 2022-2023 TTC Catalog

## **MAT 240 Analytic Geometry and Calculus III**

Lec: 4.0 Lab: 0 Credit: 4.0

This course covers multivariable calculus including vectors, partial derivatives and their applications to maximum and minimum problems with and without constraints, line integrals, multiple integrals in rectangular and other coordinates, and Stokes' and Green's theorems.

### **Prerequisite**

MAT 141

with a minimum grade of C

### **Course Offered**

Fall

Spring

Summer

### **Grade Type**

Letter Grade

### **Division**

Science and Mathematics