

# MATH 253 Analytic Geometry and Calculus III

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## **MATH 253 ANALYTIC GEOMETRY AND CALCULUS III**

This course is the third in a series of calculus and analytic geometry. This is the calculus of multivariable functions. The course covers topics in vectors, partial derivatives, double and triple integrals, line integrals and vector analysis theory such as Green's, Stokes', and Gauss' Theorems. *Letter Grade Only. Degree Credit.*

**Units:** 5

**Hours/semester:** 80-90 Lecture; 160-180 Homework

**Prerequisites:** MATH 252

**Recommended:** Eligibility for ENGL 100.

**AA/AS Degree Requirements:** Area A3; Math Competency

**Transfer Credit:** CSU (CSU GE Area B4), UC (IGETC Area 2A)

**C-ID:** MATH 230

