

# ENGR 3343 : Mathematical Methods for Physics and Engineering

A survey of mathematical methods used in advanced physics and engineering courses, including linear algebra and linear systems, vector analysis, complex variables, ordinary and partial differential equations, Fourier series, integral transforms, and special functions. Emphasis is on physical applications, using both analytical and computational solutions to problems.

**Credits** 3

**Course ID**

008947

**Requisites**

[ENGR 3343](#) Prerequisites: [PHYS 2334](#), [MATH 1432](#)