

# APPLIED-INDUSTRIAL MATHEMATICS (AIM)

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## Applied-Industrial Mathematics (AIM) Courses

### **AIM 5113. Introduction to Industrial Mathematics. (3-0) 3 Credit Hours.**

Prerequisites: MAT 1214, MAT 1224, and MAT 2233, or consent of instructor. The topics covered include quality control, Monte Carlo methods, linear programming, model fitting, frequency domain methods, difference and differential equations, and report writing. The course is not designed to substitute for any specialized course covering these topics in detail, but rather to survey their real-world applications. Differential Tuition: \$150. Course Fees: GS01 \$90.

### **AIM 6943. Internship and Research Project. (0-0) 3 Credit Hours.**

Prerequisites: Completion of at least 18 semester credit hours of coursework in mathematics and consent of the student's Supervising Professor; confirmation of approved internship. Provides students with hands-on experience in industrial mathematics or a related field in a professional environment. The research work may be either an extended project or a variety of shorter assignments. May be repeated for credit, but no more than 6 credit hours will apply toward the Master's degree. Differential Tuition: \$150. Course Fees: GS01 \$90.