

# DRAFTING (DRFT)

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**DRFT 151. Engineering Drawing I. (2 Credits)**

Introduction to the graphic language, conventions, and tools of sketching and technical drawing. Topics include lettering, geometric constructions, multiview projection, dimensioning, sectional and auxiliary views, and geometric tolerancing. Co-requisite: MAGN 101 2 credits (1 lecture hour, 2 laboratory hours), fall semester

**DRFT 252. Geometric Dimension Tolerance. (2 Credits)**

This course covers functional dimensioning, tolerancing and design principles and applications based on ASME Y14.5M - the international engineering language used to communicate the size, form, orientation, and location of part features. Topics include fundamental rules, symbology, tolerance expression and interpretation, datums, fit systems, inspection techniques and design for manufacture. Prerequisite: CAD 186, MATH 102 2 credits (4 laboratory hours), fall semester