The objective of Orientation to Engineering I (ENG 1) is to increase motivation and student success in engineering through an application-oriented, hands-on introduction to engineering mathematics. Lectures will cover key mathematical concepts as they apply to engineering, from algebra and trigonometry through calculus and linear algebra.

All math topics will be presented within the context of an engineering application, and reinforced through extensive examples of their use in core engineering courses; thus, developing an engineering mindset. In-class activities using Python will complement the lectures and provide students hands-on experience with solving real-world engineering problems.

Fall Quarter 2015  
Course # 853744  
HSS 1128A  
Wednesdays | 5:00–6:50 p.m.