

MAE 4510 Propulsion and Power co-meets with grad version, MAE 5510

Spring. 3 credits. Prerequisites: Engrd 2210, MAE 3230 or equivalents

Introduction to propulsion, stationary power production with gas turbine engines, and reciprocating engines. Air-breathing propulsion is emphasized, with a brief treatment of rocket propulsion. Application of thermodynamic and fluid-mechanical principles to analysis of performance and design.