MATL 8616 MATERIALS LABORATORY II (3 credits)
Application of scientific principles in the laboratory to the analysis of materials problems and selection of engineering materials. (Cross-listed with MATL 4610)
Prerequisite(s)/Corequisite(s): MATL 3600. Not open to non-degree graduate students.

MATL 8656 APPLIED PHYSICAL METALLURGY AND DESIGN (3 credits)
Principles of alloying; alloy selection; modification of the physical properties of structural alloys by thermal, mechanical, and chemical treatment; solidification and joining phenomena. (Cross-listed with MATL 4650)
Prerequisite(s)/Corequisite(s): MATL 3600. Not open to non-degree graduate students.