CNC 154: Metallurgy

This course covers the production, properties, testing, classification, microstructure and heat treating effects of ferrous and non-ferrous metals. Topics include the iron-carbon phase diagram, ITT diagram, ANSI code, quenching, senescing, and other processes concerning metallurgical transformations. Upon completion, students should be able to understand the iron-carbon phase diagram, ITT diagram, microstructure images, and other phenomena concerning the behavior of metals.

Credits: 3
Transfer Code: Code C
Lab Hours: 2
Lecture Hours: 2
Program: Computerized Numerical Control
Semester Offered:
Fall
Spring
Summer