

# MTT 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. As needed.

**Credits:** 3

**Transfer Code:** Code C

**Lab Hours:** 2

**Lecture Hours:** 2

**Prerequisites:**

As determined by college

**Program:** Machine Tool Technology

**Semester Offered:**

Fall

Spring

Summer