Titanium and Its Alloys
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Course Description
Titanium and its alloys are a versatile family of metals with applications in many industries. They have high strength-to-weight ratios, excellent corrosion resistance, high and low temperature capabilities, compatibility with graphite fibers which is gaining importance with the increased utilization of composites in aircraft structure and other attractive features. This unique combination of physical, mechanical, and chemical properties make them attractive for aerospace, marine, industrial, biomedical and other applications. Get an overview of titanium alloy processing, from refining Ti ore to machining of hardware, and how the unique properties of titanium drive applications in in the various industries.