



4 Courses

Phase Diagrams

Hardening, Polymers,  
Properties

Electrical Properties and  
Semiconductors

Ceramics and Composites



Oct 5, 2024

**Marta Plotnikova**

has successfully completed the online Specialization

# Materials Science for Advanced Technological Applications

This course will introduce the major types of ceramics and their applications. We will learn about the different methods used for glass strengthening; the factors that determine a ceramic's crystal structure; the key characteristics of composite materials; and the different structures of fiber-reinforced composite materials. We will discuss reasons for creating various types of composites.

Terry Alford, Professor  
David Theodore, Visiting  
Scientist and Adjunct  
Professor

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