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Introduction to Engineering Material | Types | Selection

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About this Course. We explore “10 things” that range from the menu of materials available to engineers in their profession to the many mechanical and electrical properties of materials important to their use in various engineering fields. We also discuss the principles behind the manufacturing of those materials.

Materials Science: 10 Things Every Engineer Should Know

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chemical bonds, their atomic ordering, and their microstructure. Materials are commonly classified according to their most typical properties, such as high mechanical strength, electricity conductors, and permanent magnets.

Introduction to Materials Science | ScienceDirect

This course will introduce students to the fundamentals of Mechanical Engineering, as well as providing a brief introduction to Materials Science, and showing what role materials play for Mechanical Engineers.

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