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The interdisciplinary field of materials science, also commonly termed materials science and engineering, is the design and discovery of new materials, particularly solids. The intellectual origins of materials science stem from the Enlightenment , when researchers began to use analytical thinking from chemistry , physics , and engineering to understand ancient, phenomenological observations in metallurgy and mineralogy .

Materials science - Wikipedia

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What is Materials Science and Engineering? | Department of ...

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Materials Science and Engineering An Introduction 9th ...

Materials Science and Engineering is the broad interdisciplinary field that uses the principles of chemistry, physics, engineering, and biology to develop better materials.

Materials Science and Engineering | Alfred University

Materials Science and Engineering is an integrated discipline of chemistry, physics and engineering. This is reflected in our Program of Study. The student receives a foundation of basic chemistry, physics and engineering coursework during their first two years. These courses are then woven into a Materials Science and Engineering framework.

Materials Science and Engineering

Materials science and engineering offers you the toolkit you'll need to be a part of that collaboration. Our students contribute to the understanding of everything from nanotechnology and sustainable energy production to space exploration and green construction. Join us, and contribute to our next breakthroughs.

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Virtual Materials Science and Engineering (VMSE). This software package consists of interactive simulations and animations that enhance the learning of key concepts in materials science and engineering. Included in VMSE are eight modules and a materials database.