

Materials science is a field of engineering that involves: (1) analyzing the properties and structure of solid materials and (2) the discovery and design of new solid materials. Polymer science: studies polymers, such Polymer engineering: involves the design, analysis, and modification of polymer

Materials Science is important because it leads to the deveMaterials science is a field of engineering that involves: (1) analyzing the properties and structure of solid materials and (2) the discovery and design of new solid materials. Polymer science: studies polymers, such Polymer engineering: involves the design, analysis, and modification of polymer Materials Science is important because it leads to the development of technology that advances humans and society. Some of the key sub – discipline s and their areas of focus include: Ceramic engineering: involves creating objects from inorganic, non–metallic materials Computational materials science: involves the use of models, simulation, and theory to understand materials Crystallography: studies the structure and properties of crystals ?Some of the key sub – discipline s and their areas of focus include: Ceramic engineering: involves creating objects from inorganic, non–metallic materials Computational materials science: involves the use of models, simulation, and theory to understand materials Crystallography: studies the structure and properties of crystals ?Materials characterization: involves determining the structure and properties of a material Metallurgy: studies the properties of alloys and metals ?Materials characterization: involves determining the structure and properties of a material Metallurgy: studies the properties of alloys and metals ?This is what ultimately led to science materials becoming recognized as a distinct discipline. There are several sub–disciplines of materials science.