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## MATERIALS SCIENCE

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**ADM 201****Materials Science****3.0 UNITS**

This course is an introduction to materials science. Topics include physical and mechanical properties of materials including metal alloys, plastics, rubbers, ceramics, glass, and composites. Students learn standard techniques for measuring mechanical properties including American Society for Testing and Materials (ASTM) D638 Tensile Test, ASTM D2240 Hardness Test, ASTM D5630 Ash Test, ASTM D3418 Melting Point and Crystallization Point Test, ASTM D256 Impact TEST and ASTM D648 Heat Deflection Test. Hands-on laboratory sessions reinforce topics covered during lecture.