
2024-25 ACADEMIC COURSES

MEC 100 : MATERIALS AND PROCESSES

In this course, students receive an introduction to basic terms, mechanical and physical properties, and characteristics and structures of materials. Heat treatment of ferrous and non-ferrous metals and the effect on tensile, torsion, and impact will be investigated. The study of common consumer products will identify material types and processes used in manufacturing. In a capstone project, students will associate two different materials to a product identifying the advantages and disadvantages for both. Mechanical and physical properties, characteristics, ease of manufacturing, cost, environmental impact, and life cycle will be compared. This course was previously AMS 103. Level I Prerequisite: Academic Reading and Writing Levels of 6

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Description	Hours
Credits	3
Lecture Hours	45
Clinical Hours	0
Lab Hours	15
Other Hours	0
Total Hours	60

Accurate as of 01/13/2025 Information is subject to change without notice.