ENGR1234 - Introduction to Engineering

Credits:	2 (2/0/0)
Description:	The Introduction to Engineering course provides students with an overview of the field of engineering, introducing fundamental concepts, principles and methodologies that form the basis of engineering practice. This course aims to inspire students by exploring the various branches of engineering, fostering an understanding of the engineering design process, problem-solving techniques and the role of innovation in shaping the world. The course is designed to promote critical thinking, teamwork and effective communication skills – essential components for success in the engineering profession. This course aims to provide a foundation for students pursuing further studies in engineering disciplines, equipping them with the knowledge, skills and perspectives essential for success in the ever-evolving field of engineering.
Prerequisites:	• MATH1118 OR • MATH1116
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Explore the major branches of engineering, including civil, mechanical, chemical, electrical and computer engineering. 2. Understand the importance of professional responsibility, integrity and social impact in engineering practice. 3. Investigate the role of innovation in engineering and its impact on technological advances. 4. Recognize the entrepreneurial aspects of engineering, including the development and implementation of new ideas.
MnTC goal areas:	None

Can be taking as a Prerequisite or Corequisite.

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