



MECHANICAL ENGINEERING

International Program (Bachelor of Engineering)



General Description

Mechanical Engineering is the program that aims to shape engineer whose knowledge consist of 5 professional mechanical engineering branches and can apply their own knowledge and skills in practical work and also work with other people based on their own moral and ethics. They are enthusiastic to continually improve and develop themselves and have skills to pursue advanced education and research, including basic skill of entrepreneurship.

Curriculum Objectives is to build engineers who have characteristics as following; have well round knowledge with skills and well adapt with situation and capable of performing communication, can work together with people from other professions, process basic science knowledge for supporting mechanical engineering comprehensive, have basic knowledge and realization of engineering field for mechanical engineering study, have knowledge and competency in both theoretical and practical mechanical engineering profession, capable of critical thinking analytical thinking and problem solving for related mechanical engineering subjects with suitable engineering theory and tools, also have creative and innovation skills, have research and publishing skills for mechanical engineering skills, have basic experience in professional work and rudimentary entrepreneurship.

Career Opportunities

1. Mechanical engineers in company
2. Scholars
3. Researchers in government or private sectors
4. Entrepreneur





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Curriculum Structure

Requirements	Credits
1. General Education Courses	30
2. Specialized Courses:	109
2.1 Core Courses	105
2.2 Major Elective Courses	6
2.3 Undergraduate Thesis	3
2.4 Non-Credit Courses	7
3. Free Elective Courses	6
Total	145

General Education Courses

Students has to take General Education Courses of 30 credits.

Core Courses

: choose 105 credits from the following courses

Basic Tool and Machine Workshops, Mechanical Engineering Design Workshop, Mechanics of Machinery, Machine Design, Mechanical Vibrations, Heat Transfer, Mechanical Drawing, Computer Aided Mechanical Engineering Design, Laboratory for Mechanical Engineers, etc.

Major elective courses

Introduction to Mechatronics, Air-Conditioning and Ventilation Engineering, Mechanics of Vehicles, Thermal System Design, Agricultural Machinery Engineering, Refrigeration, Heat Exchanger Design, Automotive Engineering, etc.

Non-Credit Courses

Students have to take 7 credits or not less than 270 hours from Training in Mechanical Engineering

Free Elective Courses

Students can take Electives of 6 credits from any faculty in Naresuan University.

Degree Information

- Duration: 4 Years (8 Semesters)
- Tuition Fee: 16,000 Bath/Semester