

# Doctor of Philosophy program in Mechanical Engineering



## Doctor of Philosophy program in Mechanical Engineering

The Doctor of Philosophy program in Mechanical Engineering is designed to be proactive curriculum that can be adjusted according to the evolution of technology for supporting the industrial sector in country and foreign countries. The goal of this program is to produce graduates who are capable of working with high potential of self-development skill in academic and professional career paths and conducting deeply research with international qualification.

Three intensive engineering research units focusing on specific field in mechanical engineering are active in our department such as Development and Research of Innovative Vehicle Engineering: DRIVE, Research Unit for Innovative Mechanical Engineering Center: i-MechE, Research Unit for Precision and Medical Engineering Technology: PMET. Additionally, other fields related in mechanical engineering are performed in various research laboratories

## Objectives

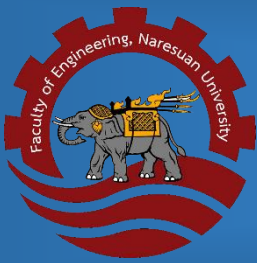
- To produce graduates with the desirable features as follows; To be academically knowledgeable in advanced level and academic leaders who are able to do research with the international qualification and appropriately apply academic knowledge to professional mechanical engineering work for the utilization in the technology development of industrial sector.
- To be skillful in pioneer, investigation and research for working as academics or researcher in the education institute, the state agencies and private organization related in mechanical engineering.
- To be ethical and moral in academic and professional mechanical engineering.

## Admission

In accordance with the Graduate School Rules and Regulations. The program committee reserves the rights to require more qualifications as deemed appropriate.

## Medium of Instruction

Thai and English



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## Credit Requirements

Requirements	Option 1.1	Option 1.2	Option 2.1	Option 2.2
1. Coursework			12	24
1.1 Core Courses			6	12
1.2 Electives			6	12
2. Dissertation	48	72	36	48
3. Required Non-credit Courses	3	6	3	6
Total	48	72	48	72

## Research Focus

- Applied mechanics and design
- Thermal engineering and Fluid mechanics
- Energy engineering
- Dynamic system and automatic control
- Agricultural engineering

## Requirement for Graduation

In accordance with the Graduate School Rules and Regulations.