



Master of Science in Mechanical Engineering (MSME):

The Master of Science in Mechanical Engineering (MSME) Program is oriented toward a career in research, especially in the fields of either Thermo-Fluids Engineering, Energy and Environmental Technologies, or Mechatronics/Robotics.

Course Requirements:

Basic Subjects	9 units
Major Subjects	15 units
Cognates/Electives	6 units
Thesis	6 units
TOTAL	36 units

ME Graduate Courses:

- A. Orientation
COE 5000 – DLSU Orientation
- B. Basic Subject
COE 5200 – Methods of Research
- C. Advanced Mathematics (required 6 units)
COE 5100 – Statistical Design
COE 5320 – Numerical Methods
COE 5330 – Advanced Mathematical Methods
- D. Foundation Subjects (required 12 units for M Eng)
- E. Major Subjects (required 15 units for MS and M Eng)

Mechatronics:

Mechatronic Design
Instrumentation and Precision Engineering
Industrial Automation and Control
Biomechanics
Control Engineering
Special Topics in Mechatronics

Mechanical Design:

Mechanical System Design with Optimization Techniques
Advanced Vibration Analysis
Safety Requirements for Machines and Equipment
Special Topics in Mechanical Design

Thermo-Fluids Engineering:

Advanced Heat Transfer
Computational Fluid Dynamics
Advanced Thermodynamics
Application of Fluid Mechanics
Special Topics in Thermo-Fluids Engineering



De La Salle University

Energy and Environment:

Alternative Sources of Energy

Advanced Refrigeration, Theory and, Application

Cleaner Production Technology and Environmental Management

Energy Engineering

Advanced Air Conditioning and Ventilation

Energy Systems Modeling And Design

Rational Use of Energy

Special Topics in Energy and Environment