

GRADUATE SCHOOL MISSION STATEMENT

We are a Catholic institution dedicated to advancing the frontiers of knowledge in the theoretical and applied fields through quality graduate education that is comprehensive and responsive to the needs of society. We are committed to the formation of scholars and high level professionals who are ethical, competent, compassionate and committed to the service of the Church, the Nation and the Global Community.

GRADUATE SCHOOL VISION STATEMENT

We envision a Graduate School that stands for excellence and innovation and that will be globally identified for the distinction of its programs and quality of its research.

GRADUATE SCHOOL GOALS

To realize this mission-vision, the Graduate School commits itself within the next five (5) years:

- To develop the intellect and creativity through excellence in instruction, research, and extension work.
- To form scholars and high level professionals in the arts and humanities, the natural and allied health sciences, the social and management sciences who are ethical and who demonstrate competencies functional in both the local and global workplace.
- To hone the professional and social skills, and critical capabilities of students enabling them to become responsible leaders in their careers and community.

- To provide students opportunities to serve the larger community through extension work and community service.
- To produce quality research in the various fields of knowledge that is internationally recognized.
- To recruit Faculty who are acknowledged experts in the field and to complement the teaching staff by inviting international scholars in the various disciplines.
- To build partnerships and linkages between the Graduate School and academic institutions, industry and government entities at the local and international level.
- To enhance the image and visibility of the Graduate School and its work in both the local and global community.

APPLICATION PROCEDURES

- A. Application for admission to the UST Graduate School is until October 15 for October enrollees, April 5 for Summer enrollees and May 25 for June enrollees.
- B. Application forms for Admission are available at the UST Graduate School, UST Admissions Office & at the UST Graduate School Web Site – <http://www.ust.edu.ph>

REQUIREMENTS:

Certified true copy of Transcript of Records, one (1) colored passport size, recent photo (if any) document(s) attesting to passing a Bar/Board Exam, or being a scholar of any agency.

Two (2) Referral Forms: One(1) for the current (immediate) superior (or Dean, in the

case of a school); and the other, for the professor in one specialization (major) subject.

For Foreigners:

All of the above and;
TOEFL English Proficiency and Student Visa Requirements.

ADMISSION REQUIREMENTS

1. Bachelor's Degree in Engineering with a general average of at least 2.0/85% or B.
2. Complete accomplished application and referral forms.

PHILOSOPHY & OBJECTIVES

Enhance the capabilities of engineering faculty members and cadet engineers by updating them on the advances and recent developments in Engineering and Technology and by strengthening their comprehension of engineering principles.

Pursue a practice-oriented program that will provide an opportunity for the students to industry exposure, real-life applications of the Engineering principles and technologies, and keep up with the recent advancements in technology.

CURRICULUM

MASTER OF ENGINEERING

(Non-Thesis Track)

PRE-REQUISITE SUBJECTS: 3 UNITS

GS 500 - St. Thomas on Critical Thinking

FOUNDATION SUBJECTS: 12 UNITS

- *subject to exemption depending on the results of the diagnostic tests students may take upon admission.*

MEP 601 - General Engineering Math
MEP 602 - Computers in Engineering

MEP 603 - Statistical Methods
MEP 604 - Technical Communication

MAJOR SUBJECTS: 21 UNITS

-only seven (which should include MEP 701, MEP 702 & MEP 709) of the nine core courses are to be taken.

MEP 701 - Advanced Engineering Math
(prerequisite: MEP 601)
MEP 702 - Numerical Methods
(prerequisite: MEP 602)
MEP 703 - Optimization Techniques
(prerequisite: MEP 601)
MEP 704 - Computer Aided Design (CAD) with
Finite Element Analysis
MEP 705 - Environment, Energy and
Technology Management
MEP 706 - Engineering Production
Management
MEP 707 - Engineering Materials
MEP 708 - Advanced Thermodynamics
MEP 709 – Methods of Research
(prerequisite: MEP 604)

ELECTIVE COURSES: 9 UNITS

Subjects/courses are related to area of specialization.

OTHER REQUIREMENTS

Practicum I - 3 units
Practicum II - 3 units

Total = 51 Units

UST GRADUATE SCHOOL ADMINISTRATION
OFFICIALS AND FACULTY SET-UP

LILIAN J. SISON, Ph.D.
Dean

JOSÉ ANTONIO E. AUREADA, O.P., S.Th.D.
Regent

MICHAEL ANTHONY C. VASCO, Ph.D.
Faculty Secretary

CHRISTINA A. BINAG, Ph.D.
Director for Graduate Research

CRISTINA M. CASTRO-CABRAL, Ph.D.
**Director, Center for Professional Development &
Consultancy Services**

LYDIA JOSON, Ph.D.
Supervising Scientist, Graduate School Laboratory

ROMUALDO DEL ROSARIO, Ph.D.
Supervising Scientist, UST Botanical Garden

MA. LUISA T. ASILO, MEP
Consultant for Master of Engineering

PROFESSORIAL STAFF

JEROME AMON, Ph.D.
MA. NATALIA R. DIMAANO, Ph.D.
NANCY L. ELERIA, Ph.D.
EVELYN R. LAURITO, Ph.D.
MARILYN C. MABINI, Ph.D.
PHILIP MARCELO, Ph.D.

SUMMARY OF COURSE REQUIREMENTS

Requirements	Units
Required	3
Foundation Subjects	12
Major Subjects	21
Elective Subjects	9
Practicum I	3
Practicum II	3
TOTAL Units	51

SCHOOL CALENDAR

The University of Santo Tomas follows an Academic Year Calendar of two (2) semesters and a summer term.

Summer Term: April-May

For further information, please call,
Tele-Fax: (632) 740-9732 or
Tel. No. (632) 786-1611 loc 8247; 731-5396
Web-<http://graduateschool.ust.edu.ph>
E-mail: odgs@mnl.ust.edu.ph
or write to:

The Dean/Faculty Secretary
UST Graduate School
España, Manila, Philippines 1008

University of Santo Tomas

GRADUATE SCHOOL

**In collaboration with
Faculty of Engineering**



GRADUATE PROGRAM

AY 2008 – AY 2010

ENGINEERING

Master of Engineering
(Non-Thesis Track)

España, Manila