



ATENEO DE DAVAO UNIVERSITY
GRADUATE SCHOOL

Master of Engineering
Major in Mechanical Engineering
Revised 2008

| Core Courses (24 units required) | | Units |
|---|---|--------------|
| MEng 500 | Operations Research | 3 |
| MEng 501 | Numerical Methods with Matlab | 3 |
| MEng 502 | Energy Management & Science and Technology Issues | 3 |
| MEng 503 | Environmental Engineering & Management | 3 |
| MEng 504 | Quality Time Management | 3 |
| MEng 505* | Research Methods & Industry Practice I | 3 |
| MEng 506** | Research Methods & Industry Practice II | 3 |
| Discipline Related Courses**** (12 units required) | | |
| ME 700 | Advanced Refrigeration Theory | 3 |
| ME 701 | Advanced Air Conditioning and Ventilation | 3 |
| ME 702 | Advanced Heat and Mass Transfer | 3 |
| ME 703 | Fuels and Thermal Power | 3 |
| ME 704 | Combustion Engineering | 3 |
| ME 705 | Design and Optimization of Thermal Systems | 3 |
| ME 706 | Thermal Environment Engineering | 3 |
| ME 707 | Control of Thermal Energy Systems | 3 |

* Must be enrolled after completing the required 16 units of core courses and at least 3 units of discipline related courses.

** Pre requisite of MEng 506 is MEng 505.

*** Additional subject for FAPE scholars

***** Depending on the topic for his/her thesis which is a requirement for MEng 506 (Research Methods & Industry Practice 2), the student has the prerogative to choose the subjects under the Discipline-Related Courses offering..

Summary

| | Units |
|----------------------------|--------------|
| Core Courses | 24 |
| Discipline Related Courses | 12 |
| Total | 36 |