MASTER of SCIENCE in INDUSTRIAL ENGINEERING Curriculum

CORE COURSES		9 UNITS
IE 513	Multivariate Statistical Analysis	3
IE 514	Applied Mathematics for Industrial Engineering	3
IE 515	Engineering Methods of Research	3
PROFESSIONAL COURSES		**15 UNITS**
IE 610	Advanced Operations Research	3
IE 611	Advanced Operations Planning and Control	3
IE 612	Advanced Quality System Analysis	3
IE 613	Advanced Occupational Ergonomics	3
IE 614	Advanced Engineering and Technology Management	3
COGNATES/ ELECTIVES- major in Quality Systems Engineering		**6 UNITS**
IEE 710	Advanced Project and Risk Management	3
IEE 711	Advanced Design for Lean Six Sigma	3
COGNATES/ ELECTIVES- major in Production Engineering		**6 UNITS**
IEE 712	Advanced Logistics and Supply Chain	3
IEE 713	Advanced Product and Process Design and Development	3
COGNATES/ ELECTIVES- major in Engineering and Technology Management		**6 UNITS**
IEE 714	Special Topics and Emerging Trend in Industrial Engineering	3
IEE 715	Technopreneurship and Innovation Management System	3
THESIS WRITING		**6 UNITS**
TW 1	Thesis Writing 1	
TW 2	Thesis Writing 2	
FOR NON BSIE Graduate (Must take first) **- (6 units)**		**6 UNITS**
IE 510	Statistical Analysis and Design	3
IE 511	System Engineering Analysis and Design	3
	TOTAL	**36 UNITS**