Universidad del Turabo
Master's Program
in Mechanical Engineering
NO SPECIALIZATION DECLARED
(30 credits)

REQUIRED COURSES
(4 courses: 12 cr.)
MEEN 501 Finite Element Analysis
MEEN 601 Advanced Mathematics for Engineers
MEEN 602 Advanced Mechanics of Materials
MEEN 604 Aerodynamics *: Incompressible Flow

NO SPECIALIZATION AREA DECLARED
GENERAL ELECTIVE COURSES
(Select 4 courses: 12 cr.)
MEEN 603 Advanced Fluid Mechanics
MEEN 671 Advanced Heat Conduction
MEEN 674 Micro & Nano Heat Transfer
MEEN 678 Advanced Topics
MEEN 679 Independent Study
*MEEN 502 Aircraft Design
*MEEN 611 Composite Materials
*MEEN 616 Introduction to Aeroelasticity
*MEEN 623 Multi-Scale Turbulence: Aeronautics
*MEEN 641 Sustainable Energy
*MEEN 672 Mechanical Vibrations
*MEEN 673 Computational Fluid Dynamics (CFD)
*MEEN 675 MEMS and Energy Harvesting
*MEEN 678 Design Optimization
*MEEN 681 Introduction to Biomechanics
*MEEN 682 Systems Engineering
*MEEN 683 Friction, Wear and Lubrication
*MEEN 684 Advanced Tribology
(* Also available in other specialization areas)

Plan 1 (M.S. degree)
(6 cr.) MEEN 697 MS Thesis

COMMENTS:
Plan 1 is an excellent option for full-time students with a strong interest in research.

Plan 2 (M.S. degree)
(3 cr.) MEEN 694 Special Project
(3 cr.) Any course from the master's program in ME.

COMMENTS:
Plan 2 is ideal to conduct design and development in an area of particular interest.

Plan 3 (M.Eng. degree)
(6 cr.) Any two courses from the master's program in ME.

COMMENTS:
Plan 3 caters primarily to working professionals who seek highly specialized knowledge.