

## **Notification of Curriculum Update for Program of Theoretical and Applied Mechanics (2017 UG Students)**

1. Add 1 Major Foundational Course "Linear Algebra II" (MA104b). Minimum credit requirement of Major Foundational Courses has be changed to 21credits; minimum credit requirement of Elective Major Courses has be changed to 15 credits, minimum to fulfill degree requirement has be changed to 133.5 credits (not including English courses).
2. Add 1 note to Major Required Courses: "Theoretical Mechanics II" (MAE204) can be alternated by "Analytical Mechanics" (PHY205-15).
3. Add 5 Major Elective Courses: "Introduction to Aircraft Turbine Engines" (MAE206), "Engineering Materials" (MAE210), "Structural Mechanics of Aircraft" (MAE301), "Principles of Turbomachinery" (MAE311), "Aero Engine Structural" (MAES002).

Delete 5 Major Elective Courses: "Viscous Flow" (MAE306), "Micro and Nano Mechanics" (MAE411), "Non-Newtonian Fluids" (MAE402), "Analytical Mechanics" (PHY205-15), "Advanced Electron Microscopy".

"Dynamics and Vibration" (ME301) has be changed to "Theory of Vibration" (MAE318).

Modify Note 1: Choose at least 16 credits from this list

Add Note 3: Fluid Mechanics Direction, Choose at least one from MAE305, MAE405, and MAE 308; Solid Mechanics Direction, Choose at least one from MAE318, and MAE 413.

Add Note 4: Choose at least 9 credits from courses of Department of Mechanics and Aerospace Engineering .

Department of Mechanics and Aerospace Engineering .

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