

No substitutions are allowed for any of the above courses except as noted below:

- * Students majoring in AE or OE who pass either of the sequences (AOE 3104 Aircraft Performance and AOE 3014 Aero/Hydrodynamics) or (AOE 3204 Ship Hydrodynamics and AOE 3014 Aero/Hydrodynamics) are not required to take ESM 3015 and 3034 (or 3024) Fluid Mechanics. Rather, they are required to take 9 hours from the list of elective courses instead of 6 hours.

Students majoring in ME who pass ME 3404 Fluid Mechanics or ME 4414 Fluid Machinery Design are not required to take ESM 3015 and 3034 (or 3024) Fluid Mechanics. Rather, they are required to take 9 hours from the list of elective courses instead of 6 hours.

- ** All courses on the list of elective courses which are cross-listed with another department may be used to satisfy the requirement of 6 hours of elective courses whether the course is taught by an ESM professor or a professor from one of the cross-listed departments.