MAE - Rules for the Selection of Technical Elective Courses

Rules for Selecting Technical Elective Courses for the Mechanical Engineering Degree

1. Students must select a minimum of 16 units of technical electives, none of which can be used for other degree requirement.
2. At least 8 units must come from the following list of mechanical engineering oriented MAE courses: MAE110, MAE112, MAE113, MAE114, MAE115, MAE117, MAE118, MAE132, MAE140, MAE152, MAE155, MAE164, ENGR165, MAE171, MAE172, MAE183, MAE184, and MAE185.
3. Additional units may come from:
   a. Any upper-division course in the MAE department, including MAE188, MAE189, MAE195, and MAE199.
   c. Other departments’ upper-division courses with approval of the Undergraduate Advisor.

Rules for Selecting Technical Elective Courses for the Aerospace Engineering Degree

1. Students must select a minimum of 12 units of technical electives, incorporating at least 1 unit of design.
2. Any upper-division course in the MAE department that is not a core AE course can be used as a technical elective.
3. With approval of the Undergraduate Advisor, AE students may choose technical elective units from other departments' upper-division courses that have primarily technical content. The following courses are preapproved, and can be taken without requesting the approval of the AE Undergraduate Advisor: ENGR 7A & 7B*, CEE125, CEE160, ENGR165, EECS152A, EECS152B, BME111, BME120, BME121, Stats67, CompSci 131; Math 112A, 112B, 112C, 114A; Physics 111A, 111B, 112A, 112B.

* ENGR 7A-7B can be counted as 4 units of technical electives. ENGR 7A-7B is available only to first year students in Fall and Winter quarters.

Both ENGR 7A-7B must be taken to be counted as a technical elective.

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