

ENGINEERING PHYSICS
Curriculum Notes
2005-2006

1. Engineering Physics students must complete 18 credit hours in the Social Science/Humanities using any one of the following options:
 - Option 1:** Complete the social science division (minimum of 12 credits) AND complete either 6 credits of courses listed in the humanities division
 - Option 2:** Complete the humanities division (minimum of 12 credits) AND complete either 6 credits of courses listed in the social science division or 6 credits of a foreign language.
 - Option 3:** Complete at least an 18 credit hour social science or humanities minor.
 - Option 4:** Engineering Physics students may elect by petition to complete 18 credits of social science and humanities courses structured toward a particular objective.
2. MAT 485 may be replaced by the sequence MAT 331, Linear Algebra, and MAT 514, Introduction to Ordinary Differential Equations.
3. PHY 215 and 216 may be replaced with PHY 211 and 212
4. PHY 322 and 423 may be replaced with Technical Electives covering intermediate and advanced mechanics.
5. The Thermodynamics requirement can be satisfied by MAE 251 or PHY 531.
6. To complete an Area Concentration (Des/Tech Elective) and to satisfy the Engineering Science requirement, courses should be selected from the following list and approved by the Program Academic Committee. The Program Academic Committee can approve alternate choices to meet student's special needs. At least 3 credits must be in engineering courses. Suggested courses to fulfill this requirement are:

CEN 561, CIE 537, ELE 351, 393, 416, 424, 431, 512, 551, MAE 251, 326, 355, 361, 421, 436, MTS 322, 347, 348, 431, 471, 533, 537, 570, 581 PHY 307, 308, 322, 423, 462, 576 and 581
7. A total of 14.5 credits of design is required. Suggested courses to fulfill these electives are:

ELE 391(2), 392(2), 555(2), 599(3), MAE 445(3), MEE 473(3), 487(2.25), MTS 471(2), 570(1), 581(2)

NOTE: Design credits are shown in parentheses.

Alternative choices may be substituted as technical electives by petition.