

**Mechanical Engineering
2003-2004**

Name _____ SSN: _____ Phone: _____

New to OSU: _____ email: _____@osu.edu

YEAR	AUTUMN	WINTER	SPRING
1	Math 151* (Calc & Analyc Geom)... 5 _____ Chem 121 (Gen Chem) 5 _____ Engr 181 (Intro to Engr I) 3 _____ Engr 100 (Engr Survey) 1 _____	Math 152 (Calc & Analyc Geom) 5 _____ Chem 125 (Chem for Engr) 4 _____ Physics 131 (Partcls & Motion) 5 _____	Math 153 (Calc & Analyc Geom) 5 _____ Engr 183 (Intro to Engr II)..... 3 _____ Physics 132 (Electrcy & Magntsm) 5 _____
2	Math 254 (Calc & Analyc Geom) 5 _____ Physics 133 (Elctrdynmc & Quant) . 5 _____ ME 410 (Statics) 4 _____	Math 415 (Ord Part Diff Equat) 4 _____ ME 430 (Dynamics)..... 4 _____ MSE 205 (Intro to MSE) 3 _____	ME 250 (Num Mthds & Anlys ME).... 4 _____ ME 420 (Intro Strength Materials) 4 _____ ME 501 (Thermodynamics) 4 _____ EE 300 (Electrical Circuits) 3 _____
3	ME 481 (Sys Dynamics & Vibs) 3 _____ ME 502 (Thermodynamics II) 3 _____ ME 503 (Fluid Dynamics I) 3 _____ ISE 311 (Manufacturing Engr) 3 _____	ME 504 (Fluid Dynamics II) 3 _____ ME 561 (Fail Mds, Stres Anlys, Fail Prev)5 _____ EE 320 (Elec Devices & Controls).... 3 _____ ISE 504 (Engr Econ Anlys) 3 _____	ME 482 (Sys Dynms & Electromech) 4 _____ ME 510 (Heat Transfer) 3 _____ ME 553 (Knmctcs Dymn of Machinery) 4 _____ ME 562 (Dsgn Selct Mach Elem I).... 3 _____
4	ME 563 (Dsgn Selct Mach Elem II)... 3 _____ ME 570 (ME Measurements) 5 _____ T.E.....3 _____ T.E.....3 _____	ME 571 (Prin of Automatic Control) .. 4 _____ ME 564 (Sr Dsgn Group Project) 4 _____ ME 512 (Fluid Mech & Heat Trans Lab)2 _____ T.E.....3 _____	ME 581 (ME Lab) 4 _____ ME 578 (Sr Program Review)..... 0 _____ T.E.....3 _____ T.E.....3 _____

GENERAL EDUCATION (38 hours)

English & Communication Skills (10)

A. _____ English 110.01 _____ (5) _____
B. _____ (5) _____

Social Sciences (9)

_____ () _____
_____ () _____

Historical Survey (10)

_____ (5) _____
_____ (5) _____

Social Diversity

(may overlap with another GEC category)
_____ () _____

Arts & Humanities (9)

A. Literature (1 course)
_____ () _____

B. Visual/Performing Arts or other
Humanities (1 course)

_____ () _____

ADMISSION CONDITION

_____ () _____
_____ () _____

TECHNICAL ELECTIVES (15 hrs)**

_____ () _____
_____ () _____
_____ () _____
_____ () _____
_____ () _____
_____ () _____

Sub-total Core 142

General Education 38

Technical Electives 15

195

* All students must satisfy the credit hour minimum (48 credit hours) for math and basic sciences. Students with high math or science placements (i.e. Math 161 without "EM" or "K" credit for Math 151) and transfer students should consult with the ME academic advisors to ensure this minimum is met. Such students may be required to take extra coursework to meet graduation requirements.

** Students must choose electives from the list of approved technical electives available on the Mechanical Engineering web page. Students must also follow the published rules regarding technical electives, and must receive their faculty advisor's approval prior to scheduling technical electives.

Acceptance into the Mechanical Engineering major is limited to 200 students per year. The following courses are considered pre-major prerequisites to the major: Chem 121, 125; Physics 131 and 132; Engineering 181 and 183; English 110.xx; Math 151-153 and 254; and Mech Eng 410. Students who have completed the required pre-major courses with a SPHR of 2.0 or higher will be admitted into the major if the demand for the admission is below the numerical ceiling; admission will be on a rank order basis using the SPHR until the ceiling is reached. A minimum 2.0 CPHR upon completion of these courses is also required. Formal application is required. See the departmental office (BL 312) for application details.

SPHR = CUMULATIVE GPA in Chem 121, 125; Physics 131 and 132; Engineering 181 and 183; Math 151-153 and 254; ME 410, or their equivalents.

