# MECHANICAL ENGINEERING ANNOTATED CHECK SHEET

**NAME:**

## Writing
1. **Writing 101 (20)**
   - **Date Taken**
   - **Grade**
   - Required of all Duke freshmen.

## Mathematics and Natural Science
2. **MATH 111L (31L)**
3. **MATH 112 (32L)**
4. **MATH 216 (107)**
5. **MATH 353 (108)**
6. **CHEM 101DL (31L) [or AP CHEM 20/21 (18/19)]**
7. **PHY 151L (61L) [or AP PHY 25] Freshmen Spring.**
8. **PHY 152L (62L) [or AP PHY 26] Sophomore Fall**
9. **Natural Science Elective**

## Engineering
11. **EGR 103L (53L)**
12. **EGR 121L (20L) take as freshman if possible**
13. **EGR 201L (75L) prerequisite for EGR 244L, EGR 221L**
14. **EGR 244L (123L) prerequisite for ME 336L**
15. **ME 221L (83L) prerequisite: CHEM & EGR 201L**
16. **EGR 224L (119L) ** prerequisite for ME 344L**
17. **ME 344L (125L) ** prerequisite for ME 424**
18. **ME 331L (101L) prerequisite for ME 336**
19. **ME 336L (126L) prerequisite for ME 431L**
20. **ME 321L (131L) ** prerequisite for ME 421L**
21. **ME 421L (141L) ** prerequisite for ME 424L**
22. **ME 431L (150L) prerequisite for ME 424L**
23. **ME 424L (160L) ** Capstone Design**
24. **400-level ME elective 1 ******
25. **400-level ME elective 2 ******

## Humanities and Social Sciences
26. **Area**
27. **Area**
28. **Area**
29. **Area**
30. **Area**

## Upper-Level Electives § (Two required)
31. ****
32. ****

## Electives
33. ****
34. ****

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* Approved courses are found on the MEMS website including BIO 311 (147), 215L (105L); CHEM 201DL 151), 210DL (32L); EOS 201L (101L), 212 (102); PHY 153L (63L), 305 (105), 361 (281), 363 (176), 513 (213). Higher alternatives require DUS approval.

** 2-semester Mechatronics sequence. EGR 324L (119L) (only taught in Spring) is a firm prerequisite for ME 344L (125L).

*** 3-semester Mechanics & Design sequence. ME 311L (131) Mechanical Analysis must be taken junior year as a firm pre-req for ME 421L (141) (Fall only) which is a firm pre-req for ME 424L (160) Capstone Design (Spring only).

**** Courses taken at the 100 level and above by the end of Summer 2012 (old numbering system) will satisfy this requirement. Courses taken beginning with Fall 2012 must be at 400 level or above (new numbering system).

§ Electives in the HSS, upper-level engineering, math, and science at the 200-level or higher may be used.