# ME Undergraduate Curriculum (2006-2007)

## Freshman
### Fall
- **CHEM 1310** General Chemistry 3-3-4
- **MATH 1501** Calculus 1 (Minimum Grade C) 4-0-4
- **HISTORY** HIST 2111, HIST 2112, POL 1101, INTA 1200, or PUBP 3000 (Social Science, See Note 4) 3-0-3
- **HPS 1040** Wellness 2-0-2
- **ENGL 1101** English Composition 1 (Humanities) 3-0-3

### Spring
- **PHYS 2211** Physics 1 3-3-4
- **MATH 1502** Calculus 2 (Minimum Grade C) 4-0-4
- **CS 1371** Introduction to Computing 3-0-3
- **ME/CEE 1770** Engineering Graphics (See Note 6, No W's) 2-3-3
- **ENGL 1102** English Composition 2 (Humanities) 3-0-3

## Sophomore
### Fall
- **PHYS 2212** Physics 2 3-3-4
- **MATH 2401** Calculus 3 (Minimum Grade C) 4-0-4
- **ME 2016** Computing Techniques 3-0-3
- **MSE 2001** Engineering Materials 3-0-3
- **COE 2001** Statics 2-0-2

### Spring
- **ECE 3710** Circuits & Electronics 2-0-2
- **MATH 2403** Differential Equations (Minimum Grade C) 4-0-4
- **ME 2202** Dynamics of Rigid Bodies 3-0-3
- **ME 2110** Creative Dec. & Design (See Note 6, No W's) 2-3-3
- **ME/CEE 1770**, **COE 2001** Statics 2-0-2

## Junior
### Fall
- **ECE 3741** Instrument & Electronics Lab 0-3-1
- **COE 3001** Mechanics of Deformable Bodies 3-0-3
- **ME 3345** Heat Transfer 3-0-3
- **ME 3322** Thermodynamics 3-0-3
- **ECON 2100**, **ECON 2105** (ECON 2100, 2105) 3-0-3

### Spring
- **ME 3015** System Dynamics & Control 4-0-4
- **ME/ISYE 3770** Statistics 3-0-3
- **ISYE 3025** Engineering Economics 1-0-1
- **ME Elective** Above ME Class (See Notes 2 & 8) 3-0-3
- **Humanities Elective** (See Note 9) 3-0-3

## Senior
### Fall
- **ME Elective** Above ME Class (See Notes 2 & 8) 3-0-3
- **ME Elective** 3000 Level or Above ME Class (See Notes 2 & 8) 3-0-3
- **Free Elective** 2000 Level or Above (See Notes 7 & 8) 3-0-3

### Spring
- **ME Elective** 3000 Level or Above ME Class (See Notes 3 & 9) 3-0-3
- **Free Elective** 2000 Level or Above (See Notes 7 & 8) 3-0-3

## Notes:
1. PST 3105, 3109, 3127 & 4176 are humanities (HUM). HTS 2084 & INTA 2030 are social sciences (SS).
2. ME Electives are any 3000 level ME class or above, excluding ME 3720. Students who take both ME 3180 and ME 4315 may use one class for the design elective and the other class for an ME Elective.
3. If ethics is humanities, social science elective is required for this class. If ethics is social science humanities elective is required.
4. All students need 12 hrs of social science & 12 hrs of humanities.
5. No credit is awarded for INTA 1200 or POL 1101, not both. Classes are exactly the same.
6. No credit is awarded for (ECON 2105 or ECON 2106) if ECON 2106 is taken.
7. ME Elective(s) must be at the 2000 level or above, no exceptions.
8. Free Electives & ME Electives may not duplicate any other material used for your BSME.
9. A list of classes that satisfy social science electives and humanities electives can be found at http://www.registrar.gatech.edu/students/core.php.

* Class co-requisites have an asterisk (*) after the class. These classes can be taken at the same time.

## Graduation Requirements
- A. All classes must be taken as LETTER GRADE.
- B. Minimum grade of D required for each class, except as noted.
- C. Overall GPA must be greater than 2.00.
- D. ME GPA (including all ME and COE classes) must be greater than 2.00.

## Total Hours
126
# Undergraduate Curriculum Sheet Explained

## ME 2110
Creative Decisions & Design
(See Note 6, No W's)

2-3-3

ME/AE/CEE 1770
COE 2001*, ME 2016*

Pre-requisite classes must be taken prior to this class.
*Co-requisites can be taken at the same time.

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## Pre-Requisite Warning

The ME curriculum contains a 7 semester pre-requisite chain!!

**Upon completion of these classes, you will have a minimum of (...) semesters remaining until graduation.**

<table>
<thead>
<tr>
<th>Class Number</th>
<th>Notes about Class</th>
<th>Total Credit Hours</th>
<th>Pre-Requisites &amp; Co-Requisites*</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 2110</td>
<td></td>
<td>3</td>
<td>ME/AE/CEE 1770, COE 2001*, ME 2016*</td>
</tr>
</tbody>
</table>

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**Students who wish to take ME 4315 for the design elective, have an 8 semester pre-req sequence as shown on the curriculum guide. Students may take ME 3180 as the ME design elective, and then ME 4315 as an ME elective.**