### ME International Plan (IP) Undergraduate Curriculum (Catalog: 2008-09)

**NOTES:**

1. ME 1770, 2110, 3057, 4053 & 4182 cannot be dropped after registration without documented medical reasons.

2. Classes that satisfy the international plan (IP) requirements and additional IP rules are available at [http://www.internationalplan.gatech.edu/students/requirements.html](http://www.internationalplan.gatech.edu/students/requirements.html).

3. Free Electives must be 2000 level or above and may not duplicate any other material used for your BSME.

4. ME Electives are any 4000 level ME class, excluding ME 4741 & ME 4742. Students may take both design electives (ME 3180 & ME 4315); one will be the design elective and the other an ME Elective.

5. Credit is only awarded for INTA 1200 or POL 1101, not both. Classes are exactly the same.

6. Credit is awarded for Econ 2100, Econ 2101 or Econ 2105 and/or Econ 2106.

7. Either Global Economics or Country & Regional Elective must be social sciences, then ethics can be selected from:
   - **Ethics** - PST 3105, 3109, 3127 & 4176 (humanities); HTS 2084 & INTA 2030 (social sciences).
   - Class co-requisites have an asterisk (*) after the class. These classes can be taken at the same time.

8. Either Global Economics and Country/Regional Elective are both social sciences, then ethics can be selected from:
   - **Ethics** - PST 3105, 3109, 3127 & 4176 (humanities); HTS 2084 & INTA 2030 (social sciences).

### General Requirements

A. All classes must be taken LETTER GRADE.

B. Minimum grade of D required for each class, except as noted.

C. Overall GPA must be greater than 2.00 to graduate.

D. ME GPA (includes all ME and COE classes) must be greater than 2.00 at graduation.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1310</td>
<td>General Chemistry</td>
<td>3-0-</td>
</tr>
<tr>
<td>MATH 1501</td>
<td>Calculus 1 (Minimum Grade C)</td>
<td>4-0-</td>
</tr>
<tr>
<td>CS 1371</td>
<td>Introduction to Computing</td>
<td>3-0-</td>
</tr>
<tr>
<td>ENGL 1101</td>
<td>English Composition 1 [Humanities]</td>
<td>3-0-</td>
</tr>
<tr>
<td>HPS 1040</td>
<td>Wellness</td>
<td>2-0-</td>
</tr>
<tr>
<td>IP Elective</td>
<td>IP Optional Language Class</td>
<td>3-0-</td>
</tr>
<tr>
<td>IP Global</td>
<td>IP Optional Language Class</td>
<td>3-0-</td>
</tr>
<tr>
<td>Social Science</td>
<td>IP International Relations Elective</td>
<td>3-0-</td>
</tr>
<tr>
<td>ECE 3741</td>
<td>Instrument &amp; Electronics Lab</td>
<td>0-3-1</td>
</tr>
<tr>
<td>ECE 3710</td>
<td>Catalog: 2008-09</td>
<td></td>
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<tr>
<td>126 Total Hours</td>
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</tbody>
</table>
Undergraduate Curriculum Sheet Explained

### Understanding the Curriculum Guide

**ME 2110**  
Creative Decisions and Design  
(See Note 1, No W's)  
2-3-3  
ME/AE/CEE 1770  
COE 2001*

**Pre-Requisites & Co-Requisites**  
These classes must be completed before you are eligible to take the class.  
*Co-requisites:** These classes can be taken at the same time. You must register for the co-req first to avoid registration errors.

#### Core Classes

**Humanities Electives (12 hours total)**  
- ENGL 1101 (3 hrs)  
- ENGL 1102 (3 hrs)  
- Humanities Elective (3 hrs)  
- * Humanities Elective (3 hrs)

**Social Science Electives (12 hours total)**  
- Economics (3 hrs) - ECON 2100, ECON 2105 or ECON 2106  
- History (3 hrs) - HIST 2111, HIST 2112, POL 1101, INTA 1200 or PUBP 3000  
- Social Science Elective (3 hrs)  
- * Social Science Elective (3 hrs)

*Note:* One humanities or social science elective must be ethics. Ethics must be selected from:  
PST 3105 (Humanities)  
PST 3109 (Humanities)  
PST 3127 (Humanities)  
HTS 2084 (Social Science)

**Core Electives:** Classes that satisfy social science electives and humanities electives can be found at:  
http://www.catalog.gatech.edu/students/ugrad/core/core.php

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**ME Electives**

1. **ME Electives:** ME Electives (including their pre-reqs) offered each semester can be found listed at:  
   http://www.me.gatech.edu/undergraduate/registration.shtml

2. **Design Elective (ME 3180 / ME 4315):** Students may take both design electives, ME 3180 & ME 4315. One class will satisfy the design elective and the other class satisfies an ME Elective.

3. **Research:** Students may use up to 4 hours of ME 4699/4903 for ME elective credit. In addition, up to 6 hours of 2699/4699/4903 from any department may be used as free elective credit.

4. **Minors:** Students who successfully complete a Ga. Tech minor approved by the ME department are allowed to substitute courses required for the minor for up to six hours of ME elective credit. If a student does not complete the minor, then this substitution is disallowed and the student must complete six hours of ME elective credit.

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### Notes about Pre-requisites:

1. The ME curriculum has a 7 or 8 semester pre-requisite chain, depending on the design class selected.  
2. Students can select either ME 3180 or ME 4315 for the design elective. Most students select ME 3180.

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

<table>
<thead>
<tr>
<th>Machine Design (ME 3180) for the Design Elective</th>
<th>Minimum # of Semesters</th>
<th>Energy Systems Design (ME 4315) for the Design Elective</th>
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<tbody>
<tr>
<td>MATH 1501</td>
<td>7</td>
<td>MATH 1501</td>
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<td>MATH 1502, PHYS 2211</td>
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<td>MATH 1502, PHYS 2211</td>
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<td>ME 2202, MATH 2403, CS 1371, PHYS 2212</td>
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<td>ME 2110, ME 3015, ME 3322, ME 3340, COE 3001, MEE 2001, MATH 2401</td>
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<td>COE 3001, MEE 2001, MATH 2401, ME 2110, ME 3015, ME 3345,</td>
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<td>ME 3180 **, ME 3057, ME 3345, MATH/ISYE 3770</td>
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<td>ME 4315 **, ME 3057, MATH/ISYE 3770</td>
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<td>ME Electives, ECE 3741, ME 4182, ME 4053, ME 4210, ISYE 3025</td>
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