

ME Undergraduate Curriculum: International Plan (2006-2007)

Rev. 3
8/17/06

Freshman	Fall	CHEM 1310 General Chemistry 3-3-4	MATH 1501 Calculus 1 (Minimum Grade C) 4-0-4	CS 1371 Introduction to Computing 3-0-3	ENGL 1101 English Composition 1 [Humanities] 3-0-3	Language 2nd Level [Humanities] (See Note 9) 3-0-3	= 17 hours	
	Spring	PHYS 2211 Physics 1 3-3-4 MATH 1502*	MATH 1502 Calculus 2 (Minimum Grade C) 4-0-4 MATH 1501	ME/CEE 1770 Engineering Graphics (See Note 2, No W's) 2-3-3	ENGL 1102 English Composition 2 [Humanities] 3-0-3 ENGL 1101	Language 3rd Level [Humanities] (See Note 9) 3-0-3		= 17 hours
Sophomore	Fall	PHYS 2212 Physics 2 3-3-4 PHYS 2211	MATH 2401 Calculus 3 (Minimum Grade C) 4-0-4 MATH 1502	ME 2016 Computing Techniques 3-0-3 MATH 1502, CS 1371	COE 2001 Statics 2-0-2 MATH 1502, PHYS 2211	Language 4th Level [Free Elective] (See Notes 3, 4 & 9) 3-0-3	= 16 hours	
	Spring	ECE 3710 Circuits & Electronics 2-0-2 PHYS 2212	MATH 2403 Differential Equations (Minimum Grade C) 4-0-4 MATH 1502	ME 2202 Dynamics of Rigid Bodies 3-0-3 COE 2001	ME 2110 Creative Dec. & Design (See Note 2, No W's) 2-3-3 ME/CEE 1770, COE 2001*, ME 2016*	MSE 2001 Engineering Materials 3-0-3 CHEM 1310	= 15 hours	
Junior - ABROAD	Fall	COE 3001 Mechanics of Deformable Bodies 3-0-3 COE 2001, MSE 2001*, MATH 2403*	ME 3322 Thermodynamics 3-0-3 PHYS 2211, MATH 2403	ME 3340 Fluid Mechanics 3-0-3 ME 2202, ME 3322*	Regional or Country Elect. [Free Elective] (See Notes 1, 3, 4, 5 & 6) 3-0-3	Global Economics [Social Science] (See Notes 1, 5 & 6) 3-0-3	= 15 hours	
	Spring	ME 3015 System Dynamics & Control 4-0-4 ME 2202, ME 2016, MATH 2403, ECE 3710	ME 3345 Heat Transfer 3-0-3 ME 3322, ME 3340, MATH 2403	MATH/ISYE 3770 Statistics 3-0-3 MATH 2401	Ethics HTS 2084 or INTA 2030 [Social Science] (See Note 7) 3-0-3	International Relations [Social Science] (See Notes 1 & 5) 3-0-3	= 16 hours	
Senior	Fall	Design Elective ME 3180 (Machine Design) or ME 4315 (Energy Sys Design) 3-0-3 ME/CEE 1770, ME 2110 COE3001(3180) or ME3345(4315)	ME 4210 Manufacturing Processes & Engineering 3-0-3 ME 3345, MATH/ISYE 3770	ME 3057 Experimental Methods Lab (See Note 2, No W's) 2-3-3 COE 3001, ME 3345*, ME 3015, MATH/ISYE 3770*	ISYE 3025 Engineering Economics 1-0-1 (ECON 2100, 2105, 2106 or Global Econ)	HPS 1040 Wellness 2-0-2	HISTORY HIST 2111, HIST 2112, POL 1101, INTA 1200, or PUBP 3000 [Social Science] 3-0-3	= 15 hours
	Spring	ME 4053 ME Systems Lab (See Note 2, No W's) 1-2-2 ME 3057, ME 3345, MATH/ISYE 3770	ME 4179 International Capstone Dsgn (See Notes 2 & 5, No W's) 1-6-3 ME 2110, ME 4210*, (ME 3180 or ME 4315)	ME Elective 3000 Level or Above ME Class (See Notes 4 & 8) 3-0-3	ME Elective 3000 Level or Above ME Class (See Notes 4 & 8) 3-0-3	ECE 3741 Instrument & Electronics Lab 0-3-1 ECE 3710	Science Elect. CHEM 1311 & 1312, BIOL 1510, BIOL 1520, EAS 1600, EAS 1601 or PHYS 2213 X-X-3	= 15 hours

NOTES:

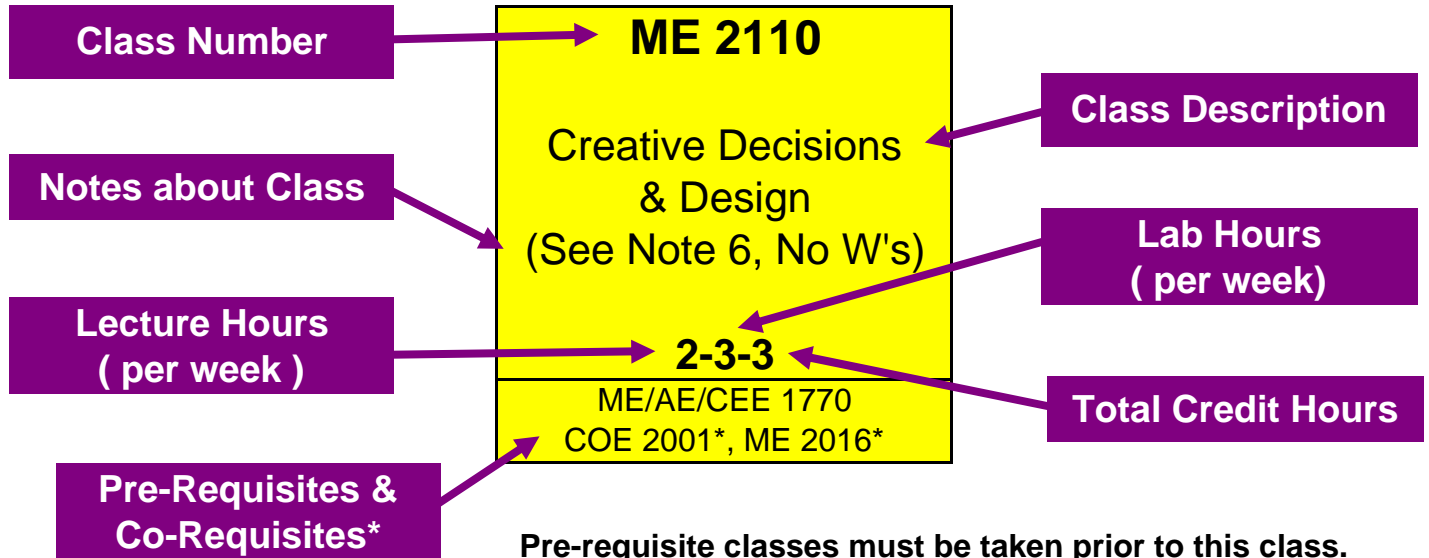
- Classes which satisfy the international plan are found at: <http://www.registrar.gatech.edu/degreq/internationalplan.php>
- ME 1770, 2110, 3057, 4053 and 4182 cannot be dropped after registration closes without documented reasons
- Free electives must be at the 2000 level or above, no exceptions
- Free Electives & ME Electives may not duplicate any other material used for your BSME
- Each course for the international plan must have a minimum grade of C, and an average GPA of 3.0
This includes Global Econ, Country/Regional Elect, Int'l Relations and Int'l Capstone
- Either Global Economics or Country & Regional Elective must be a social science.
- If Global Economics and Country/Regional Elective are both social science electives, then ethics may be selected from PST 3105, PST 3109, PST 3127, PST 4176, HTS 2084 or INTA 2030.
- 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
- Language classes are not required if students can demonstrate proficiency in language. If language classes are not required, then indicated electives must be taken instead (humanities or free electives)
- Class co-requisites have an asterick (*) after the class. Pre-reqs do not have an asterick behind the class.

126 Total Hours

Graduation Requirements

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

Undergraduate Curriculum Sheet Explained



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.

After completing these classes, you have a minimum of ...	(...) Semesters Remaining
MATH 1501	6
MATH 1502, PHYS 2211	5
COE 2001, PHYS 2212, CS 1371	4
ME 1770, ME 2016, ME 2202, ECE 3710, CHEM 1310, MATH 2403	3
ME 2110, ME 3015, ME 3322, ME 3340, COE 3001, MSE 2001	2
ME 3180 **, ME 3057, ME 3345, MATH/ISYE 3770	1
ME 4182, ME 4053, ME 4210, ME Electives, ECE 3741, ISYE 3025	0

** 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.