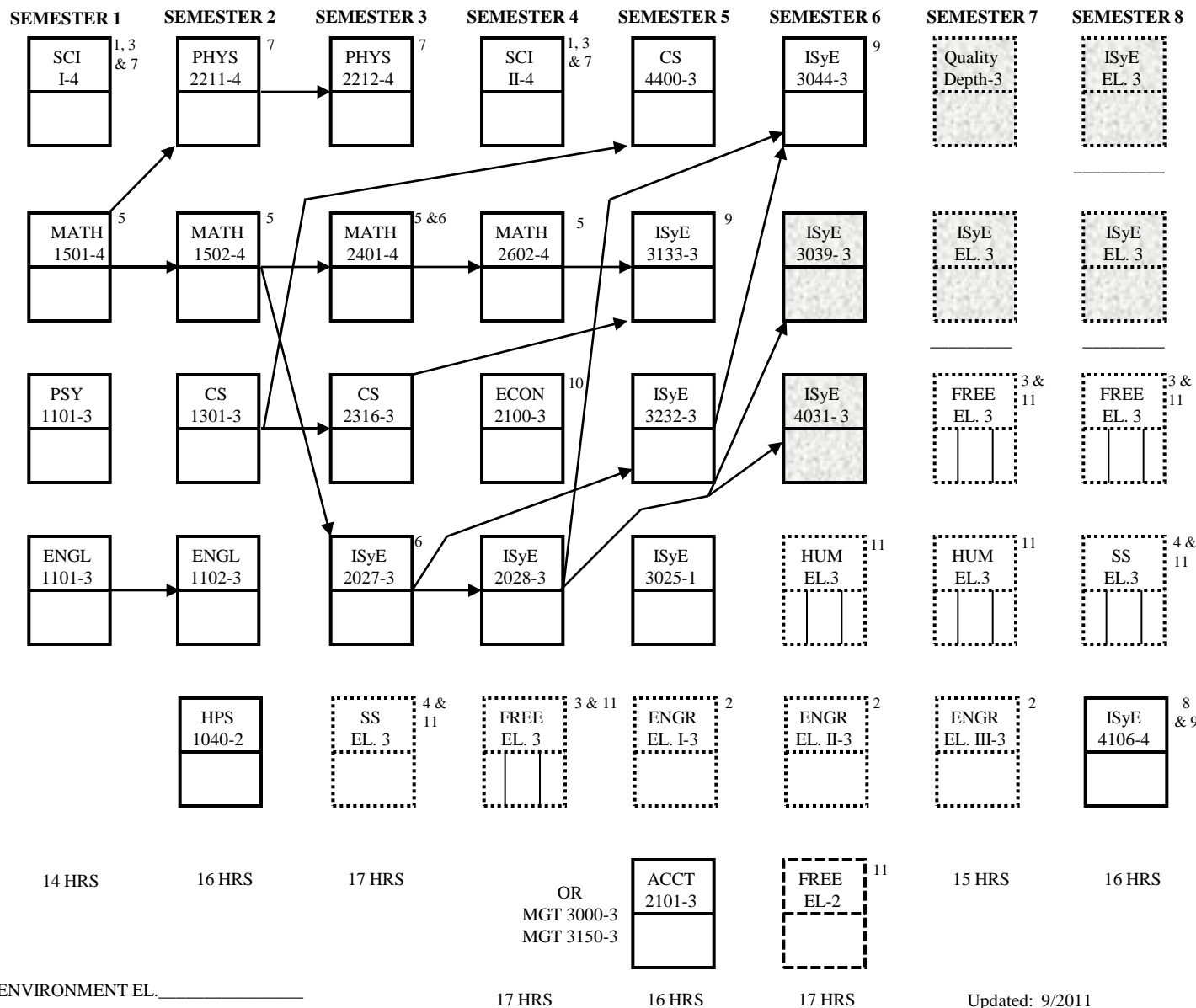


QUALITY & STATISTICS

BSIE PROGRAM for the 2011-2012 Year



- (1) Science Electives: **Chemistry** 1310, Biology 1510 or 1520, EAS 1600 or 1601 or 2600.
- (2) 9 hours Engineering Electives (Non-ISYE) are required from approved list: <http://www.isye.gatech.edu/academics/undergraduate/courses/>
- (3) Science or Free Electives must include a course on the environment: <http://www.isye.gatech.edu/academics/undergraduate/courses/>
- (4) One of SS Electives must be HIST 2111 or 2112, POL 1101, INTA 1200 or PUBP 3000. Credit is not given for both POL 1101 & INTA 1200.
- (5) D'S in Math must be repeated the term after the D is made.
- (6) MATH 2401 is Co-requisite or Pre-requisite with ISYE 2027.
- (7) HPS, English, Lab Sciences and Physics must be taken prior to your Junior year.
- (8) You must be within 2 semesters of graduation to register for Senior Design. (Summers Excluded) You must complete 4 of 6 Track courses before Senior Design.
- (9) ISYE 3133 & 3044 must be completed prior to Senior Design.
- (10) ECON 2100 or 2101, or 2105 or 2106 (Credit cannot be allowed for both ECON 2100 and 2101, and either 2105 or 2106)
- (11) Only 9* hours allowed Pass/Fail within Social Sciences, Humanities and Free Electives. No other courses allowed Pass/Fail. *<http://www.catalog.gatech.edu/genregulations/passfail.php>

ENVIRONMENT EL. _____
 FACULTY ADVISOR _____
 BOARD OF REGENTS
 SOCIAL SCIENCE EL. _____

17 HRS 16 HRS 17 HRS

TOTAL ISYE CREDIT HOURS: 128

Updated: 9/2011

Quality & Statistics Track

Quality Core: Choose **ONE** of the following:

- i. **CS/ISyE 4245 Intro Data Mining & Analysis** (Prq: MATH 2401, CS1332/1372)
- ii. **Math 4262 Math Statistics II** (Prq: MATH 4261 and ISyE 2027)

ISyE Elective: Choose **THREE** courses from at least **TWO** of the following tracks:

Supply Chain Engineering Track

ISyE 3103 Logistics – Prq. ISyE 2028, 3133
ISyE 3104 Manufacturing – Prq. ISyE 2028, 3232
ISyE 4111 Adv. Supply Chain Log – Prq. ISyE 3103, 3133, 3232
ISyE 4803 Adv. Manufacturing – Prq. ISyE 3104

Operations Research Track

ISyE 4133 Adv Optimization – Prq. ISyE 3133
ISyE 4803 Adv Simulation – Prq. ISyE 3044
ISyE 4232 Adv Stochastics – Prq. ISyE 3232

Economic & Financial Systems Track

ISyE 4301 Supply Chain Economics – Prq. ISyE 3232, 3133 and 3025
ISyE 4311 Capital Investment Analysis or Productivity Analysis – Prq. ISyE 3232, 3133 and 3025
ECON 3150 Econ & Fin Mod – Prq. Econ. 2100
MGT 3078 Fin & Investments
ECON 4340 Industrial Organization – Prq. Econ. 2100
ECON 4350 International Economics - Prq. Econ. 2100