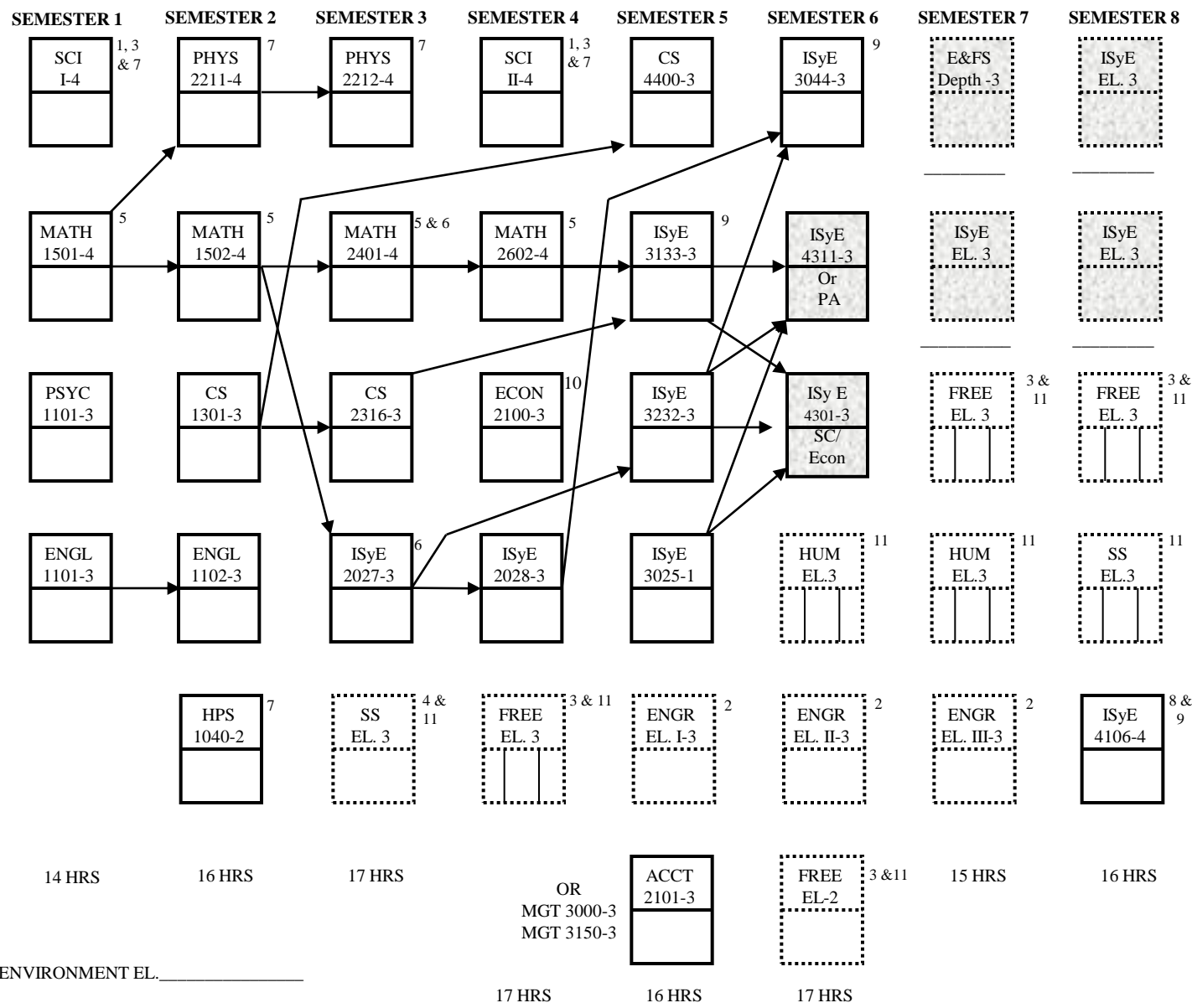


# ECONOMIC & FINANCIAL SYSTEMS TRACK

## 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/>, LCC 3403, Technical Communication, is highly recommended.
  - (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>
- E&FS CORE DEPTH: Choose ONE course from the following list:  
 Econ 3150 Econ. & Financial Modeling  
 Mgmt 3078 Finance and Investments  
 Econ 4340 Industrial Organization  
 Econ 4350 International Economics

ENVIRONMENT EL. \_\_\_\_\_  
 FACULTY ADVISOR \_\_\_\_\_  
 BOARD OF REGENTS  
 SOCIAL SCIENCE EL. \_\_\_\_\_

**TOTAL ISYE CREDIT HOURS: 128**

UPDATED: 9/2011

## **Economic & Financial Systems Track**

E&FS Depth: Choose **ONE** course from the following list:

- i. Econ 3150 (Econ. & Financial Modeling) Prq: Econ 2100**
- ii. Mgmt 3078 (Finance and Investments)**
- iii. Econ 4340 (Industrial Organization) Prq: Econ 2100**
- iv. Econ 4350 (International Economics) Prq: Econ 2100**

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

### **Quality & Statistics Track**

ISyE 3039 Quality Control - Prq: ISyE 2028  
ISyE 4031 Regression & Forecasting – Prq: ISyE 2028  
and Math 2401  
CS/ISyE 4245 Intro Data Mining & Ana.  
Math 4262 Math Statistics II

### **Operations Research Track**

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

### **Supply Chain Engineering Track**

ISyE 3103 Logistics – Prq. ISyE 2028, ISyE 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