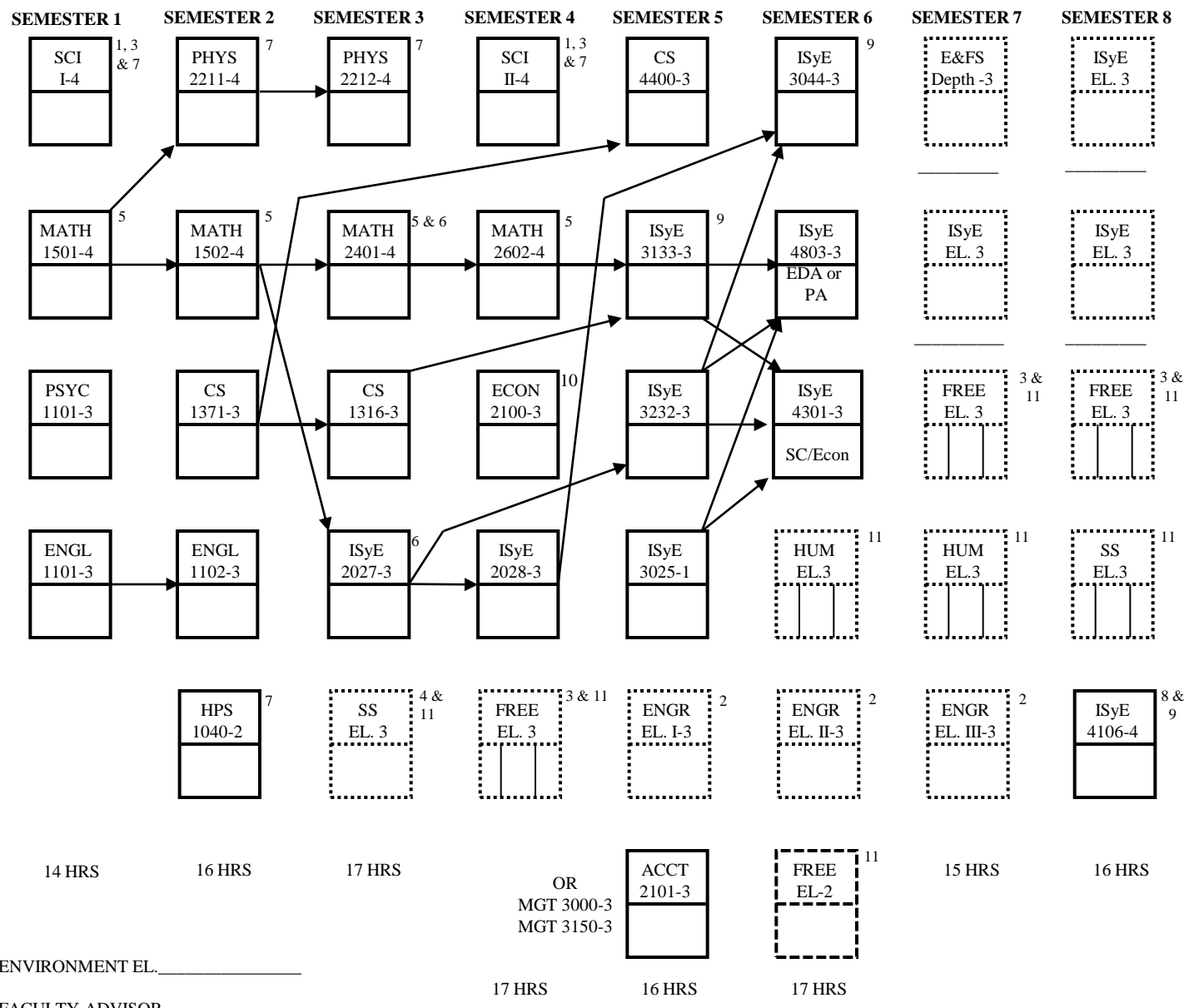


ECONOMIC & FINANCIAL SYSTEMS TRACK

BSIE PROGRAM for the 2010-2011 Year



- (1) Science Electives: **Chemistry**, Biology or EAS)
 - (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>
- 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: 2/2010

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 4803 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