Welcome to ISyE!
Introduction to Industrial Engineering
Summer 2016

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Dawn Strickland (R-Z)
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dawn.strickland@gatech.edu
Are You an Industrial Engineer at Heart?

Have you seen these situations before?
What is Industrial Engineering?

- Institute of Industrial Engineers
  - Design, improvement and installation of integrated systems of people, materials, information, equipment and energy
  - Draws on the mathematical, physical, and social sciences

- College Board
  - IE majors learn how to improve the way factories, hospitals and other organizations run using equipment, materials and people

- IE Application Examples
  - Supply Chain, Manufacturing
    - Distributing products worldwide
  - Health Systems
    - Streamlining an operating room
Spare Parts Supply chain example
Location/allocation Optimization Model

\[ \begin{align*}
    \text{Max} & \quad \sum_{ijl} w_{ij} y_{ijl} \\
    \text{s.t.} & \quad \sum_i FL_i c_i + \sum_{ijk} FS_{jk} s_{ijk} + \sum_{izl} VS_{ij} y_{izl} \leq B \\
                  & \quad \sum_{izl} y_{izl} \leq \sum_k CAP_{jk} s_{ijk} \quad \forall i, j \\
                  & \quad 0 \leq y_{izl} \leq d_{izl} \quad \forall i, z, j, l \\
                  & \quad \sum_{l \geq m, i} y_{izl} \leq P_m n_{zj} \quad \forall z, j, m \\
                  & \quad \sum_k s_{ijk} \leq c_i \quad \forall i, j \\
                  & \quad c_i, s_{ijk} \in \{0,1\}
\end{align*} \]
FASTPASS at Walt Disney World

Source: www.orlandofuntickets.com
For **26** and **21** consecutive years, the Stewart School has been ranked as the **best** in graduate and undergraduate programs in the United States, respectively.
ISyE Facts

- Program started in 1924, first IE degree in 1945
- Largest IE program
  - About 1,600 students
  - Graduate over 350/year, or nearly 10% of all IEs in US
  - Over 16,000 alumni
  - ~44% are women
- Many graduates take first job as consultant/analyst
- Many ISyE graduates rise to CEO, CFO, or other top management positions in their respective organizations
BSIE Curriculum

Foundational Courses & General Curriculum (90 credits)
- Calculus
- Linear Algebra
- Discrete Math
- Business
- English
- Humanities
- Free Electives
- Comp Sci
- Lab Sciences
- Economics
- Social Sciences
- Wellness
- Physics
- Eng Electives

ISyE Core Courses (16 credits)
- Probability
- Stochastics
- Optimization
- Statistics
- Simulation
- Engineering Econ

ISyE Concentration Electives (18 credits)
- Economics & Financial Systems
- Supply Chain
- Quality & Statistics
- Operations Research
- General

Senior Design (4 credits)
Concentration

- Allows you to specialize within BSIE
- Concentration is not identified on diploma or transcript
- Allows flexibility in courses of interest
- Allows student to market using named concentrations
- Don’t need to select until junior year!
ISyE Senior Design Project Locations
Project Clients, 2005 - present
National/International Corporations

- AirTran
- Anheuser-Busch
- AT&T
- BellSouth
- BlueLinx
- Burger King
- Canvas Systems
- Carrier Europe
- Carter’s
- Caterpillar
- Coca-Cola Enterprises
- Coca Cola North America
- Cooper Industries
- CR Bard
- Delta
- DHL
- Dick’s Sporting Goods
- e2M
- EarthLink
- EGO North America
- EleSys
- Exel
- F&P Georgia Manufacturing
- GE Energy
- General Mills
- Goody Products
- Grenzebach
- Gypsum Management & Supply
- H.C. Brill
- Home Depot
- Honda
- Intel
- InterContinental Hotels Group
- Kimberly Clark
- Kubota Tractor
- Lockheed Martin
- Macy’s
- Manheim Auto Auctions
- Matador Distributing
- McKesson
- MedShare International
- Michelin
- Newell Rubbermaid
- Norfolk Southern
- Office Depot
- PACCAR Parts
- Panasonic
- Platt Electric Supply
- Porsche
- Pratt & Whitney
- RaceTrac
- Radiant
- Reliance Electric
- Rock-Tenn
- Ryder
- Sandvik Mining & Construction
- Scientific Atlanta/Cisco
- Siemens
- Southern Company
- SunTrust
- Tyco Healthcare
- United Distributors
- UPS
- USG
- UTi
- Waffle House
- Wal-Mart
- Whirlpool
- WIKA
- Windstream
- ZF Industries
Spring 2015 Senior Design Competition Finalist: Home Depot- Winner!

Senior Design Finalist

Front Row (L-R): Dr. Shabbir Ahmed, Haley Hahmann, Audrey Shlapak, Alexander Hovancik, and Casey Ferguson.

Back Row (L-R): Kelly Kujawa, Mala Morjaria, Sean Moore, and Wood Alter.

Project Title: Container Optimization for Seasonal Programs

Student Team: Wood Alter, Casey Ferguson, Haley Hahmann, Alexander Hovancik, Kelly Kujawa, Sean Moore, Mala Morjaria, and Audrey Shlapak

Faculty Advisor: Dr. Shabbir Ahmed

Project Summary: Team HDSea developed an optimization model that will allow The Home Depot to reduce seasonal product import transportation costs by 18%. Seasonal products are products that are only shipped once annually in preparation for a certain seasonal program or event. This integrated optimization model organizes shipments such that each container is maximally utilized and shipped on the most cost-effective date. This model considers all capacity and production constraints and has flexible inputs.

1st Place Winner!

Spring 2015
IE Labs at GT
IE Labs – Real World
Internships and Co-ops

- Help you to understand IE better
- Help you to develop professional and practical skills
- Get paid
- Improved job prospects
- Higher starting pay
- Differences:
  - Co-op: significant, progressive experience, on diploma
  - Internship: flexible
Initiative for Undergraduate Student Entrepreneurship

create-x.gatech.edu

siva@gatech.edu
CREATE-X Signature Programs

- **Startup Lab**
  - Learn Entrepreneurship
  - Freshmen/Sophomores
  - 3-credit class

- **Idea to Prototype**
  - Build product
  - Sophomores/Juniors
  - 3-6 research credits

- **Startup Summer**
  - Launch Startup
  - Juniors/Seniors
  - $20K funding
Study Abroad

- **Benefits**
  - Culture, geopolitical systems, society, people
  - Expanded system view
  - Reduced cost for out-of-state students

- **Types of programs**
  - Faculty-led summer study abroad programs (GT courses)
  - Semester/exchange programs (courses from other institutions)
  - Work abroad
  - LBAT (languages for business and technology)

- **International Plan (IP)**
  - Recognized on diploma and transcript
  - More...
WITH THE IP, YOU CAN BE CONFIDENT YOU’RE PREPARED TO LEAD IN THE GLOBAL ECONOMY

- Take 4 globally-focused courses as part of your degree
- Spend at least 26 weeks studying and/or interning overseas
  - Acquire proficiency in a foreign language
- Develop intercultural skills and a global perspective of your major
- Receive recognition on your Georgia Tech diploma and transcript

APPLY ONLINE:
oie.gatech.edu/content/apply-now

For more information visit us at the Tech Resource Fair during FASET

404.894.7475
211 Savant Building
internationalplan@oie.gatech.edu
oie.gatech.edu/IP
Popular Faculty-Led Programs for IEs

• GT Lorraine: 2 sophomore/junior IE courses, apply early!
• Oxford: flexible
• Limerick, Ireland: 2 sophomore IE courses, Eng. Electives
• Beijing/Singapore: 3+ IE senior courses + History
• Many others
Campus Forums to Learn IE

- Research with faculty
  - For students interested in IE graduate studies
  - For students in junior/senior year

- Seminars and speakers (usually > 1 per week)

- Student organizations
  - Institute of Industrial Engineers (IIE)
  - Alpha Pi Mu (IE Honor Society –founded at GT)
  - ISyE Ambassadors
Where Do Our Graduates Go?
<table>
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<tr>
<th>Major</th>
<th>Offer Rate</th>
<th>Placement Rate</th>
<th>Number Reporting Salary</th>
<th>Population of Job-Seekers</th>
<th>Median</th>
<th>High</th>
<th>Low</th>
<th>Median Bonus</th>
<th>Total Reporting Bonus</th>
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<td>Aerospace Engineering</td>
<td>85.70%</td>
<td>69.60%</td>
<td>25</td>
<td>46</td>
<td>$67,800</td>
<td>$80,000</td>
<td>$35,000</td>
<td>$4,000</td>
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<td>Biomedical Engineering</td>
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<td>73.10%</td>
<td>31</td>
<td>52</td>
<td>$65,000</td>
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<td>$26,400</td>
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<td>74.10%</td>
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<td>58</td>
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<td>90.60%</td>
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<td>32</td>
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<td>34</td>
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<td>$107,000</td>
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<td>Materials Science &amp; Engineering</td>
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<td>47.10%</td>
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<td>$71,000</td>
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<td>Mechanical Engineering</td>
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<td>83</td>
<td>122</td>
<td>$68,000</td>
<td>$106,000</td>
<td>$45,000</td>
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Registration & Advising
Fall 2016 FASET
First Year—What to Expect

FALL
- STUDY – and then study some more
- Class – 12 to 15 credit hours
- GT 1000 - Resume
- Career Fairs – Georgia Tech and IISE (September)
- Study Abroad Fair (October)
- Mandatory Freshman group advising session – after semester begins
- Extracurricular activities

SPRING
- STUDY – and then study some more
- Class – 12 to 15 credit hours
- Career Fairs – Georgia Tech and IISE (January)
- Apply for jobs and study abroad
- Extracurricular activities

SUMMER
- Class, Work or Study Abroad
- Take class(es) “back home” – Transfer credit info: [http://www.registrar.gatech.edu/students/transfercredit.php](http://www.registrar.gatech.edu/students/transfercredit.php)
Office Location
Academic Advising

Office: Groseclose Building, Academic Office, Room 203

Advising Appts: Through GradesFirst Scheduling System: gatech.gradesfirst.edu

Walk-in Hours on Thursdays (9:30am–11:30am, 1:30pm–3:30pm)

Stacey Gangloff A–G
Fran Buser H–Q
Dawn Strickland R–Z
Career Development Advising

Ms. Andrea Laliberte
ISyE's Edenfield Executive in Residence,
former Senior VP of Distribution and Consumer
Service for Coach

Major General Ron Johnson
Professor of the Practice,
Managing Director of the Tennenbaum Institute

Ms. Karen Houston
Career Advisor in C2D2

Departmental

GT Center for Career Discovery & Development
DegreeWorks

- Found on Buzzport: buzzport.gatech.edu
# DegreeWorks

**George P. Burdell**

900012540

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**Georgia Tech DegreeWorks Audit**

**Student View**: AC674PV as of 09/19/2014 at 07:34

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<th>Student</th>
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**Overall GPA**

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<th>College</th>
<th>Major</th>
<th>Overall GPA</th>
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<td></td>
<td>College</td>
<td>Major</td>
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**Degree Candidate**

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<th>Degree Candidate</th>
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<tr>
<td>BS in Industrial Engineering</td>
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**Disclaimer**

You are encouraged to use this degree audit report as a guide when planning your progress toward completion of the above requirements. Your academic advisor or the Registrar's Office may be contacted for assistance in interpreting this report. This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office regarding this degree audit report, your official degree/certificate completion status, or to obtain a copy of your academic transcript.

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**Legend**

- Complete
- Complete except for classes
- In-progress
- Nearly complete - see advisor
- Any course number

**In-progress**

| Course Code | Course Title                  | Credits | Instructors | Status  | Term  
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<td>APHE 1040</td>
<td>General Intro to Health</td>
<td>IP</td>
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<td>2014</td>
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<tr>
<td>EAS 1000</td>
<td>Intro-Environmental Sci</td>
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<td>Fall</td>
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<td>ENGL 1101</td>
<td>English Composition I</td>
<td>IP</td>
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<td>Fall</td>
<td>2014</td>
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<td>INTA 1200</td>
<td>American Government</td>
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<td>Fall</td>
<td>2014</td>
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<td>MATH 1502</td>
<td>Calculus II</td>
<td>IP</td>
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<td>Fall</td>
<td>2014</td>
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**BSE - Degree Requirements**

**Unmet conditions for this set of requirements:**

9.5 Credits needed

128 Credits applied to the Degree are Required for Graduation. Your last 36 Credits must be taken in Residence.

- 2.0 Overall GPA Required
- Regents' Reading Requirement: RTPRY
- Regents' Writing Requirement: RTPWY
- Legislative Requirement - GA History
- Legislative Requirement - US History
- Legislative Requirement - US Constitution
- Legislative Requirement - GA Constitution
- Legislative Requirement - US Constitution

Effective Fall 2011, all students must complete 3 credit hours in at least one US themed course to fulfill the US Perspectives Overlay requirement. Please visit www.gatech.edu/grad/ for more information.
Advising Piazza

Found in T-Square
ISyE Website www.isye.gatech.edu

Student Resources

Student Resources

Current Students
- FAQ
- Registration
- Curriculum
- Advising
- Change Major
- Senior Design
- Student Resources
- ISyE Studio
- Enriching your Education
- Scholarships and Awards
- Undergraduate Student Advisory Committee

Forms
- Junior Advisement Form
- BSIE Degree Checklist
- Request for Approval of Special Projects
  - For Credit: ISYE 2699/4699
  - For Pay: ISYE 2698/4698
- Graduate Course Request Form
- Course Substitution Form

Presentations
- Freshman Advising Presentation
- Sophomore Advising Presentation
- FASET

Advising Tools
- 2015-2016 Sample Course Sequence
- 2015-2016 Math Sequence Options

BSIE Concentration Flowcharts

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<td>Economic and Financial Systems</td>
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<tr>
<td>General Industrial Engineering</td>
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<tr>
<td>Operations Research</td>
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<tr>
<td>Quality and Statistics</td>
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<td>Supply Chain Engineering</td>
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This is a scheduling tool only. It does not check for the completion of prerequisites and does not replace DegreeWorks as the official record for degree completion. If you have questions, please contact your academic advisor.

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<th>Requirement</th>
<th>Select or Type Course Name</th>
<th>Number of Credits (choose if applicable)</th>
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<td>Social Science Elective</td>
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<td>ISYE 3133, 3212, 3044, 3025, completed 4 of 6 ISYE Electives, within 2 terms of graduation (summer excluded)</td>
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<td>Select terms here --&gt;</td>
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<td>Fall 2016</td>
<td>Spring 2017</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Total Hours</td>
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<td></td>
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Registration Today

Typical Fall Schedule

- MATH
- English 1101
- Lab Science
- Psychology or History or Humanities or Social Science
- GT 1000 (Free Elective)
# Math Sequence

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Option 1</th>
<th>Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
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<table>
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| Total      | 16       | 16       |

MATH 1551: Differential Calculus  
MATH 1552: Integral Calculus  
MATH 1553/1554: Linear Algebra  
MATH 2550/2551: Multivariable Calculus  
MATH 2603: Discrete Mathematics

Questions? Email academics@math.gatech.edu
Math Sequence

<table>
<thead>
<tr>
<th></th>
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<tr>
<td><strong>Course</strong></td>
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<td><strong>Course</strong></td>
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<tr>
<td><strong>Credits</strong></td>
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<td><strong>Total</strong></td>
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MATH 1551: Differential Calculus
MATH 1552: Integral Calculus
MATH 1553/1554: Linear Algebra
MATH 2550/2551: Multivariable Calculus
MATH 2603: Discrete Mathematics

Questions? Email academics@math.gatech.edu
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<tr>
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<td>MATH 1554</td>
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</tr>
<tr>
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<td>4</td>
<td>MATH 2550</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Semester 3</td>
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</tr>
<tr>
<td>MATH 2603</td>
<td>4</td>
<td>MATH 2603</td>
<td>4</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

- **MATH 1551**: Differential Calculus
- **MATH 1552**: Integral Calculus
- **MATH 1553/1554**: Linear Algebra
- **MATH 2550/2551**: Multivariable Calculus
- **MATH 2603**: Discrete Mathematics

Questions? Email academics@math.gatech.edu
Optional GT Advanced Standing

Mathematics Examinations for New Summer and Fall 2016 Freshmen
  - Friday August 19, 2016 10am–12pm and 2–4pm

Applications due by August 18, 2016

Tentatively scheduled in room 249, Skiles General Classroom Building

Can receive a grade of S or U

$90 Fee

Need approval from department of instruction– Form completed on Registrar’s website

Possibly available in other disciplines – see Registrar’s website for details
  http://www.registrar.gatech.edu/students/formlanding/advstanding.php
Typical Fall Schedule

- MATH
- English 1101
- Lab Science
- Psychology or History or Humanities or Social Science
- GT 1000 (Free Elective)
English 1101 and 1102

Do you have AP credit for English 1101?

- Plan to take English 1102 Spring Semester

  Or

- Try to register for English 1102 today or during Phase II
Registration Today

Typical Fall Schedule

- MATH
- English 1101
- Lab Science
- Psychology or History or Humanities or Social Science
- GT 1000 (Free Elective)
Lab Science Requirements

**Required:** (both courses)

- PHYS 2211
- PHYS 2212

**Choose two:**

- BIOL 1510
- EAS 1600 or 1601 or 2600
- CHEM 1310

**Notes:**

- Only one EAS course is allowed
- Only BIOL and EAS lab courses count toward environmental requirement
- If you have credit for CHEM 1211 and 1212, you will need to take an alternate course to satisfy the environmental requirement
Registration Today

Typical Fall Schedule

- MATH
- English 1101
- Lab Science
- Psychology or History or Humanities or Social Science
- GT 1000 (Free Elective)
Additional Requirements

- Ethics Requirement: satisfied with PSYC 1101
- Economics: ECON 2100, 2101, 2105, or 2106 – see handout in folder
- Board of Regents Social Science: HIST 2111, HIST 2112, POL 1101, INTA 1200 or PUBP 3000
- **Environmental Elective requirement:** EAS 1600, EAS 1601, EAS 2600, BIOL 1510 or ISYE 4803: Energy and Environmental Analysis
Registration Today

Typical Fall Schedule

- MATH
- English 1101
- Lab Science
- Psychology or History or Humanities or Social Science
- GT 1000 (Free Elective)
Fall 2016- GT 1000
(GT Freshman Seminar)

Recommended sections:
- IE1, IE2, IE3 or IP

1 Credit Free Elective
# Typical First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>Math</td>
</tr>
<tr>
<td>ENGL 1101</td>
<td>ENGL 1102</td>
</tr>
<tr>
<td>Lab Science</td>
<td>CS 1301</td>
</tr>
<tr>
<td>Humanities, SS, Free, GT 1000</td>
<td>Lab Science/Engineering Elective</td>
</tr>
</tbody>
</table>
No CS credit – take CS 1301 in SPRING

AP/Transfer CS 1301 or 1371 Credit:
  ◦ Are you ready for CS 2316?
    • From CS department: “The first 3 weeks of CS 2316 are spent in a review/refresher of Python designed so that students who have a CS course in any language should be able to get up to speed.”
    • Useful to self-study Python before the course.

Look at the online course calendar. http://www.cc.gatech.edu/classes/AY2016/cs1301_spring/
On the left hand column there are the assigned readings, which are all freely available on the web. Do them.
On the right hand column there are recorded lecture videos (from 2009, but other than the python2 to python3 switch, the topics are basically the same), you can watch them.
Click the "homeworks" tab at the top, do all the homeworks.
TaDa, self study complete!
## Typical First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
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</tr>
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</tr>
<tr>
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<td>Lab Science/Engineering Elective</td>
</tr>
</tbody>
</table>
ISyE students are required to take **9 credit hours of Engineering Electives** from other engineering disciplines.

- One course must be ECE 2020, ECE 2026, or ECE 3710/3741
- At least 2 additional credits must be taken from Group I
- The remaining credits can be taken from Group 1 or Group 2

### Engineering Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ECE 2020</td>
<td>Digital System Design</td>
<td>3</td>
</tr>
<tr>
<td>ECE 2026</td>
<td>Intro Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>ECE 3710 and ECE 3741</td>
<td>Circuits &amp; Electronics &amp; Instrum &amp; Electronic Lab</td>
<td>3</td>
</tr>
</tbody>
</table>

You must take at least one of the following (3 credits each):

- The remaining 6 credits must satisfy the following:
  - Take at least 2 additional credits from Group I
  - At most one CX course is allowed
  - All Special Topics courses (4801/4803/4823, etc.) MUST be approved by your advisor. No SEMINARS may be used
  - You must meet the pre-requisite requirements
After FASET, you will still have an opportunity to change your schedule during Phase II. 
http://www.registrar.gatech.edu/

Phase II Registration: August 13\textsuperscript{th}–26\textsuperscript{th}
Check for Holds

- Be sure to do this BEFORE registration

- Campus departments can place a hold on your account that will prevent adding and dropping courses

- The hold can ONLY be removed by the department that administered the hold.

- The most common holds include those through:
  - Student health services
  - Major school
  - Housing
  - Bursar

![Check Your Registration Status](image)

Should look like this
The ISyE department uses a waitlist system and does NOT grant overload permits.
Questions regarding a computer to bring to GT: See the Student Computer Ownership website at www.sco.gatech.edu

Questions about what ISyE offers in addition to the resources from OIT: See the ISyE website www.isye.gatech.edu/computing

Questions not answered above:
Email support@oit.gatech.edu or helpdesk@isye.gatech.edu

Parents: Are your child's belongings, and especially that shiny new laptop, covered under your homeowners/renters insurance policy? Ask about a computer rider.
**ISyE Facilities Information**

- **Building Access**: The facilities are open at 7:30am and close at 6:00pm. Use your BuzzCard for entry before and after typical hours.

- **Computer Lab**: There is 24 hour access to the lab. Located first floor of the Groseclose building.

- **ISYE Studio**: There is 24 hour access to the studio. Located first floor of the Main building room 103.

- **ISYE Meeting Rooms**: Meeting rooms located in both the Main and Groseclose building. Reserve rooms using the Room Reservation System.

- **Instructional Center**: GT Institute building used for classes and meetings. If you need to reserve a room you can do it online from the GT Space Planning website.

- For BuzzCard access issues please email the ISYE helpdesk. Include your name, area you need access to, and GTID number.

- Be aware of your surroundings. If you see or suspect anything suspicious call the GT Police at 404–894–2500. You may also call the ISYE front office at 404–894–2300 8am to 5pm.
Questions?
Important Websites

Resources:
Academic:
- *ISyE homepage: http://www.isye.gatech.edu
- *Registrar homepage and calendar: http://www.registrar.gatech.edu/
- Undergraduate Resource website: http://www.gatech.edu/current-students/undergraduate
- Permits and Overloads (other than ISyE): http://www.registrar.gatech.edu/registration/oprequest.php
- *Class Scheduler: https://gatech.courseoff.com/workspace
- *Transfer credit website: http://www.registrar.gatech.edu/students/transfercredit.php
- DegreeWorks: http://www.degreeworks.gatech.edu/
- Global Perspective: http://www.catalog.gatech.edu/students/ugrad/core/gp.php
  * show these

Academic Success:
- Center for Academic Success: http://www.success.gatech.edu/tutoring
- 1 to 1 Tutoring (appointment): http://www.success.gatech.edu/tutoring/1-to-1
- Commons Tutoring (drop-in): http://www.success.gatech.edu/tutoring/commons
- OMED Educational Services: http://www.success.gatech.edu/tutoring/omed

Career:
- Career Services: http://www.career.gatech.edu/
- DOPP: Co–op / Internship: http://www.profpractice.gatech.edu/ Rob Rogers / Mary Fisher
- Study Abroad: Office of International Education: http://www.oie.gatech.edu/
- Undergraduate Research homepage: http://www.undergradresearch.gatech.edu/
- Job Announcements: https://t-square.gatech.edu/portal
- Pre–teaching: http://www.preteaching.gatech.edu/
- Pre–Health: http://www.prehealth.gatech.edu/
- Pre–Law: http://www.prelaw.gatech.edu/contact/advising

Service:
- Dean of Students webpage: http://www.deanofstudents.gatech.edu/
- Counseling center website: http://www.counseling.gatech.edu/
- Students with Disabilities: http://www.adapts.gatech.edu/
Lab Science Registration – example

- General Chemistry – 86503 – CHEM 1310 – A
  - Lecture and Recitation

- General Chemistry – 86508 – CHEM 1310 – A01
  - Lab and Recitation