Welcome to ISyE!
Are You an Industrial Engineer at Heart?

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

- Institute of Industrial and Systems 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: produce and distribute products worldwide
  - Health Systems Streamlining an operating room
  - Retail: merchandizing, pricing,
  - Energy supply, store, and pricing

Georgia Institute of Technology
The H. Milton Stewart School of Industrial and Systems Engineering
Spare Parts Supply chain example
Location/allocation Optimization Model

\[ \text{Max} \quad \sum_{izjl} w_j y_{izjl} \]

s.t. \[ \sum_i FL_i c_i + \sum_{ijk} FS_{jk} s_{ijk} + \sum_{izjl} VS_{ij} y_{izjl} \leq B \]

\[ \sum_{zl} y_{izjl} \leq \sum_k \text{CAP}_{jk} s_{ijk} \quad \forall i, j \]

\[ 0 \leq y_{izjl} \leq d_{izjl} \quad \forall i, z, j, l \]

\[ \sum_{l \geq m, i} y_{izjl} \leq P_m n_{zj} \quad \forall z, j, m \]

\[ \sum_k s_{ijk} \leq c_i \quad \forall i, j \]

\[ c_i, s_{ijk} \in \{0,1\} \]
FASTPASS at Walt Disney World
Since 1990 and 1995, 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 undergrad students
  - Graduate over 350/year, or nearly 10% of all IEs in US
  - Over 18,000 alumni
  - ~46% are women
- Many graduates take first job as consultant/analyst (40%)
- 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
- Economy

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

Senior Design (4 credits)

128 Credit Hours

New

Georgia Institute of Technology
The H. Milton Stewart School of Industrial and Systems Engineering
Concentrations

- Allows you to specialize within ISyE
  - Supply Chain Engineering
  - Operations Research
  - Economic and Financial Systems
  - Quality and Statistics
  - General
- Concentration is not identified on diploma or transcript
- Allows flexibility in courses of interest
- Allows student to market using named concentration
- Selected during 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
- CDC
- Children’s Healthcare of Atlanta
- Coca-Cola Enterprises
- Coca Cola North America
- Cooper Industries
- CR Bard
- Delta
- DHL
- Dick’s Sporting Goods
- e2M
- EarthLink
- ECO North America
- 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 2017 Senior Design Competition
Mercedes-Benz - Winner!

Senior Design Finalist

Project Title: Mercedes-Benz USA Drone
Student Team: Ram Bhumani, Santanu Dey, Vikrant Jain, Stephen Murphey, Austin Proctor, Ryan Rodwell, Alvin Timp, and Yanyang Zhao
Faculty Advisor: Dr. Santanu Dey

Project Summary: Mercedes-Benz USA (MBUSA) engaged this team to identify how drone delivery could be valuably introduced as the first same-day part ordering option for its dealerships. The team designed a drone delivery solution to reduce part delivery time and loaner car cost and developed a coverage optimization model to determine the optimal locations to hold the drones and parts eligible for drone delivery. MBUSA will be able to leverage the model's user interface to modify key parameters, including associated costs and drone capabilities, and view updated model results as well as their respective net present value. Implementing such a drone delivery solution will allow MBUSA to gain a first-mover advantage, an increase in customer satisfaction, and cost savings.

1st Place Winner!
Spring 2017

Senior Design Finalist

(L-R): Vishal Mummigatti, Jose Rodriguez, Diem Tran, Connor Owen, Divya Vedula, Jiali Zhao, Kristie Choe, Aaron Ahn, Dr. Julie Swann (Advisor).

Project Title: CDC Smoke
Student Team: Aaron Ahn, Kristie Choe, Vishal Mummigatti, Connor Owen, Jose A. Rodriguez, Diem Tran, Divya Vedula, and Jiali Zhao
Faculty Advisor: Dr. Julie Swann

Project Summary: The team worked with the CDC to support a recent policy by HUD where effective February 3rd, 2017, all 1.3 million public housing units must go "smoke-free" within 18 months. They created a targeted approach to smoking cessation by estimating smoking prevalence within the public units, calculating the return on investment (ROI) of each cessation intervention at a granular level, and prioritizing recommendations that yield the highest returns. They have developed a tool, EXTINGUISH, that visualizes relevant data in order to help better utilize resources to connect smokers to cessation resources. The values of the project include greater efficiency for health departments, better connections between agencies and cessation resources, and increased support of smokers wanting to quit. With the project, they identified approximately $12 to $582 million in savings (approximately 6 percent to 20 percent in cost reductions) for the stakeholders for different smoking cessation interventions.
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
Georgia Tech’s Create-X Entrepreneur Programs

**COE/CS/MGT 2701 Startup Lab: Tech Ventures 2-3-3**
Count as Group II Engineering Elective
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 taken at 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:

[link to apply online]

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

404.894.7475
211 Savant Building

[contact email]

[link to international plan page]
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/Vietnam/Singapore: 3+ IE senior courses + History
- Many others
Additional Opportunities 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 and Systems Engineers (IIE)
  - Alpha Pi Mu (IE Honor Society –founded at GT)
  - ISyE Ambassadors
Incentives alignment between GT and You

- Fewest Semesters
- Highest GPA/Hope Scholarship/Spend Less
- GaTech Undergraduate Freshmen Incentives
- Most Networking Opportunities
- Confidence, Best Campus Life Experience
- Maximum Relevant Work Experience

Highest Development of Competencies
Studying at GT

- Make sure to graduate!
- Get best experience!
- 1 credit = 1 hour class + 2 hour self study
- Read textbook(s), homework, study hall, office hours, OMED, Tutors, Peer Plus sessions
- Sports analogy

Everyone Can Win
Math Credits

- **AP Score**
  - 5: Indicate 60% - 100%. ISyE recommends you repeat the course if < 80%
  - 4: Indicate < 60%. ISyE strongly recommends you repeat course

- **IB Score**
  - 5 or above for 1551, OK, no need to repeat

- **GT course from metro area**
  - 1554 and 2551 offered at the same levels with different exams and easier grading, skip if you have solid A
Math

- You are in one of four groups:
  - 1 – Coming in with no Math credit
  - 2 – Coming in with credit for Differential Calculus
  - 3 – Coming in with credit for both Differential and Integral Calculus
  - 4 – Coming in with Differential, Integral, & Multivariate (and maybe even Linear Algebra)
Group 1: No Incoming Math Credit

Incoming Credit: N/A

Options:
- Option 1
- Option 2

Courses:
- Option 1:
  - 1551-2-Diff Calc
  - 1553-2-Linear Alg
- Option 2:
  - 1551-2-Diff Calc
  - 1554-4-Linear Alg

* This course may be required for certain minors
Group 2: Math 1551 Incoming Credit

- Incoming Credit: Math 1551
- Options:
  - Option 1*
  - Option 2
  - Option 3*
- Courses:
  - 1552-4-Integral Calc
  - 1553-2-Linear Alg
  - 1554-4-Linear Alg

* Denotes ISyE Advising Team Recommended Option
Group 3: Math 1551 & Math 1552 Incoming Credit

Incoming Credit

Math 1551 & Math 1552

Options

Option 1
Option 2
Option 3*
Option 4

Courses

1553-2-Linear Alg
1554-4-Linear Alg
1552-4-Integral Calc
1564-4-Linear Alg & Abs Vector

* Denotes ISyE Advising Team Recommended Option
Group 4: Math 1551, 1552, 1554@GT, & 2551@GT Incoming Credit

Incoming Credit

Math 1551, 1552, 1554, & 2551

Options

Option 1

Option 2

Option 3

Option 4

Option 5*

Courses

2603-4-Discrete Math

2551-4-Multivariate

1552-4-Integral Calc

ISyE 2027-3-Probability

Settle in, no math

* Denotes ISyE Advising Team Recommended Option
Where Do Our Graduates Go?
## 2017 Spring Career and Salary Survey

<table>
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<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>
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<td>88.60%</td>
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<td>105</td>
<td>$ 68</td>
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<td>Computer Engineering</td>
<td>90.30%</td>
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<td>28</td>
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<td>115</td>
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<td>Chemical Engineering</td>
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<td>69.80%</td>
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<td>63</td>
<td>72</td>
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<td>Mechanical Engineering</td>
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<td>135</td>
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<td>Aerospace Engineering</td>
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<td>39</td>
<td>70</td>
<td>105</td>
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<tr>
<td>Materials Science &amp; Eng</td>
<td>72.20%</td>
<td>56.30%</td>
<td>7</td>
<td>16</td>
<td>65</td>
<td>75</td>
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**Georgia Institute of Technology**  
The H. Milton Stewart School of Industrial and Systems Engineering
LOCATION: Groseclose Building, 2nd floor, ISyE Academic Office

- In-person appointments with your assigned advisor
  - Schedule appointments through GradesFirst: [https://gatech.gradesfirst.com/](https://gatech.gradesfirst.com/)

- Weekly walk-in hours
  - Thursdays, 9:30-11:30 am and 1:30-3:30 pm

- Via e-mail
  - We’re able to answer many simple questions by e-mail!

- Mandatory freshmen and sophomore group advising in the fall

- Mandatory individual junior advising appointment
Office: Groseclose Building, Academic Office, Suite 203

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

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

Lauren Silver A–G
Fran Buser H–Q
Jon Lowe R–Z
Found on Buzzport: buzzport.gatech.edu
# George P. Burdell

900012540

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**DegreeWorks**

**Georgia Tech DegreeWorks Audit**

<table>
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<th>Student</th>
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<td>George P. Burdell</td>
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<td>Graduation Status</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.

**Legend**

- Complete
- Complete except for classes in progress
- Transfer Class
- Any course number
- @ Not Complete
- Nearly complete - see advisor

**In-progress**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>ENGL 1101</td>
<td>Intro to Environmental Sci</td>
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<td>MATH 1552</td>
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<td>ENTL 1200</td>
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**BSIE - Degree Requirements**

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<th>Catalog Year</th>
<th>Credits Needed</th>
<th>Credits Applied</th>
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<tr>
<td>2011-2015</td>
<td>128</td>
<td>32</td>
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</table>

- 128 Credits applied to the Degree are Required for Graduation. Your last 32 Credits must be taken in Residence.

- 2.0 Overall GPA Required
- Regents Reading Requirement: RTRFY
- Regents Writing Requirement: RTRFY
- Legislative Requirement - GA History: Still Needed: Legislative Requirement - US History
- Legislative Requirement - US History: Still Needed: Legislative Requirement - GA Constitution
- US Perspectives Overlay: Still Needed: 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.catalog.gatech.edu/studentoverlay.
Advising Piazza

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

Student Resources

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
- FAET

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

BSIE Concentration Flowcharts

|-----------|----------|----------|----------|----------|----------|

- Economic and Financial Systems
- General Industrial Engineering
- Operations Research
- Quality and Statistics
- Supply Chain Engineering
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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<tr>
<td>Free Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL (128 required)</td>
<td>317</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineering Elective total (9 required) | 9 |
Free Elective total (11 required) | 0 |
Minimum ISYE and overall GPA 2.0 | 3 |
### BSIE Scheduling Tool

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Fall 2017</th>
<th>Spring 2018</th>
<th>Summer 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Credits</td>
<td>Number of Credits</td>
<td>Number of Credits</td>
</tr>
<tr>
<td>ENGL 1101</td>
<td>3</td>
<td>3</td>
<td>Internship or classes</td>
</tr>
<tr>
<td>MATH 1551</td>
<td>2</td>
<td></td>
<td>CS 1301</td>
</tr>
<tr>
<td>MATH 1553 (2 credits) or 1554 (4 credits)</td>
<td>2</td>
<td>MATH 1552</td>
<td>4</td>
</tr>
<tr>
<td>Lab Science</td>
<td>4</td>
<td></td>
<td>Lab Science</td>
</tr>
<tr>
<td>GT 1000</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>12</td>
<td></td>
<td>Total Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total Hours</td>
</tr>
</tbody>
</table>
Typical Fall Schedule

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

MATH 1551 (2) & MATH 1553 (2)

MATH 1551 (2) & MATH 1554 (4)

MATH 1551 (2)

Group 1

Group 2
or Linear Algebra

Group 3
or Integral Calc

Group 4
or no MATH 1st semester

ISYE 2027
ISyE math foundation tracks
- Calculus: more important for probability and stochastic process and their applications
  - Option #1
- Linear Algebra: Discrete math and optimization and their applications
  - Option #2

Either pair is sufficient
- 4-hour version provides more solid foundation over the 2-hour version

You should consider MATH 2550 as prerequisite for ISyE 2027 (if option #2)
- ISyE 2027 may need multivariable integrals before you learn it in MATH 2550
Math Advanced Standing

- Please see here: [http://www.math.gatech.edu/undergraduate/advanced-standing-exams](http://www.math.gatech.edu/undergraduate/advanced-standing-exams)

- Optional GT Advanced Standing

- Request Advanced Standing exam deadline:
  - New Summer Freshman 2017: Thursday, July 13th
  - Fall Freshman 2017 – Thursday, November 23rd

- Possibly available in other disciplines – see Registrar’s website for details [http://www.registrar.gatech.edu/students/formlanding/advstanding.php](http://www.registrar.gatech.edu/students/formlanding/advstanding.php)
Registration Today

Typical Fall Schedule

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

*English 1101 and 1102 must be completed by your second semester in residence.
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
Lab Science Registration - example

- General Chemistry – 85972 – CHEM 1310 – A

- Lecture and Exam Period (excluding final exam)

- General Chemistry – 85976 – CHEM 1310 – A01

- Lab and Recitation
Registration Today

Typical Fall Schedule

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

Typical Fall Schedule

- MATH
- English 1101
- Lab Science
- Psychology or History or Humanities or Social Science
- GT 1000 (Free Elective)
Fall 2017 - GT 1000  
(GT Freshman Seminar)

Recommended sections:
- IE1, IE2, IE3, or IE4

1 Credit Free Elective
## Typical First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
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<td>ENGL 1102</td>
</tr>
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<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

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</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
After FASET, you will still have an opportunity to change your schedule during Phase II.

http://www.registrar.gatech.edu/

Phase II Registration: August 12th–25th
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
Waitlists

- The ISyE department uses a waitlist system and does NOT grant overload permits

oscar.gatech.edu
Questions regarding a computer to bring to GT: See the Student Computer Ownership website at [www.sco.gatech.edu](http://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](http://www.isye.gatech.edu/computing)

Questions not answered above:
- Email [support@oit.gatech.edu](mailto:support@oit.gatech.edu) or [helpdesk@isye.gatech.edu](mailto: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.
Important Websites

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

- **Academic Success:**
  - Center for Academic Success: [http://www.success.gatech.edu/tutoring](http://www.success.gatech.edu/tutoring)
  - 1 to 1 Tutoring (appointment): [http://www.success.gatech.edu/tutoring/1-to-1](http://www.success.gatech.edu/tutoring/1-to-1)
  - OMED Educational Services: [http://www.success.gatech.edu/tutoring/omed](http://www.success.gatech.edu/tutoring/omed)

- **Career:**
  - Career Services: [http://www.career.gatech.edu/](http://www.career.gatech.edu/)
  - Study Abroad: Office of International Education: [http://www.oie.gatech.edu/](http://www.oie.gatech.edu/)
  - Undergraduate Research homepage: [http://www.undergradresearch.gatech.edu/](http://www.undergradresearch.gatech.edu/)
  - Job Announcements: [https://t-square.gatech.edu/portal](https://t-square.gatech.edu/portal)
  - Pre–teaching: [http://www.preteaching.gatech.edu/](http://www.preteaching.gatech.edu/)
  - Pre–Health: [http://www.prehealth.gatech.edu/](http://www.prehealth.gatech.edu/)
  - Pre–Law: [http://www.prelaw.gatech.edu/contact/advising](http://www.prelaw.gatech.edu/contact/advising)

- **Service:**
  - Dean of Students webpage: [http://www.deanofstudents.gatech.edu/](http://www.deanofstudents.gatech.edu/)
  - Counseling center website: [http://www.counseling.gatech.edu/](http://www.counseling.gatech.edu/)
  - Students with Disabilities: [http://www.adapts.gatech.edu/](http://www.adapts.gatech.edu/)
First Year – What to Expect

FALL
• STUDY – and then study some more
• Course load – 12 to 15 credit hours
• GT 1000 - Resume
• Career Fairs – Georgia Tech and IISE (September)
• Join GT IISE: http://www.gtiie.org/
• Study Abroad Fair (October)
• Mandatory Freshman group advising session – after semester begins
• Extracurricular activities

SPRING
• STUDY – and then study some more
• Course load – 12 to 15 credit hours
• Career Fairs – Georgia Tech and IISE (January)
• Apply for internships/co-ops
• 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
Questions?