Master of Engineering
Program InfORSmation

Deadline for spring admission is **September 15th**
Deadline for fall admission is **December 1st**

ORIE Graduate Programs
201 Rhodes Hall
Cornell University
Ithaca, NY 14853

Phone: 607-255-9128
Email: orie@cornell.edu
Web: www.orie.cornell.edu
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ORIE at Cornell

- In Ithaca: Rhodes Hall, 2nd & 4th floors
- In Manhattan (CFEM): 55 Broad St, 3rd floor
- 24 faculty members
- 35-45 PhD students
- **70-90 new MEng students each year**
- 150-200 undergraduate students
MEng Program: Overview
Fall 2015 MEng Class

- 85 new MEng students
- 57 universities
- 25 undergraduate majors
- 8 countries

Class Statistics

- Median Undergraduate GPA: 3.64 / 4.00
- Median GRE - Q: 168  GRE - V: 155  GRE - A: 3.5
- 63% Male, 37% Female
- 87% International
- 50% have UG degrees from US institutions
Program Framework

Practical Capstone
*Company-sponsored Team Project*

Professional Development
*Workshops, Seminars, Practitioner-led Courses, Internships*

ORIE Core and Electives
*Complemented by other Engineering, Business, Technical Courses*
Recognized Success
Prerequisites

Before beginning the ORIE MEng program, each student must have successfully completed:

1. A standard **engineering calculus sequence**, including linear algebra and vector calculus

2. A **calculus-based probability and statistics course** equivalent to ENGRD 2700**

3. An **intermediate-level computer programming course** equivalent to ENGRD 2110**, conducted in a widely used language such as C, C++, Java, or MATLAB

4. Any concentration-specific prerequisites (see handbook)

**ENGRD 2700 and ENGRD 2110 are offered Fall, Spring, and Summer at Cornell**
MEng Requirements

• **30 credit hrs** of Technical coursework
  ⇒ **19 credit hrs** of Technical Engineering coursework
  ⇒ **12 credit hrs** of ORIE coursework
• ORIE Core Courses (18 credit hours)
• Project Prep Course* (ORIE 5100 or ORIE 5110)
• MEng Project
• Colloquia (ORIE 9100 and/or ORIE 9160)

*Except for FE students

MEng Handbook:
### ORIE Core Courses*

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORIE 5300: Optimization I (4 cr)</td>
<td>ORIE 5310: Optimization II (4 cr)</td>
</tr>
<tr>
<td></td>
<td>or ORIE 5311 (2 cr)</td>
</tr>
<tr>
<td>ORIE 5500: Prob and Stat II (4 cr) for non-FE students</td>
<td>ORIE 5370: Optimization Modeling in Finance (3 cr)</td>
</tr>
<tr>
<td>ORIE 5580: Simulation Modeling (4 cr) ORIE 5581 (2 cr) for FE students</td>
<td>ORIE 5510: Stochastic Processes (4 cr) for non-FE students</td>
</tr>
</tbody>
</table>

*Core course requirements can be waived if you have successfully completed equivalent courses.*
MEng Program: Concentration and Minor Options
MEng Concentrations and Minors

- Applied Operations Research
- Data Analytics
- Information Technology

- Financial Engineering
  - Manufacturing and IE*
  - Strategic Operations*
  - Systems Engineering Minor*

*Administered in conjunction with other programs
## MEng Curriculum for AOR, DA, IT

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Courses:</strong></td>
<td><strong>Core Courses:</strong></td>
</tr>
<tr>
<td>• Optimization I (4 cr)</td>
<td>• Optimization II (2 cr or 4 cr)</td>
</tr>
<tr>
<td>• Prob and Stat II (4 cr)</td>
<td>or Optimization Modeling in Finance (3 cr)</td>
</tr>
<tr>
<td>• Simulation Modeling (4 cr)</td>
<td>• Stochastic Processes (4 cr)</td>
</tr>
<tr>
<td>• Enterprise Engineering Colloquium</td>
<td>• Enterprise Engineering Colloquium</td>
</tr>
<tr>
<td><strong>Project Prep:</strong></td>
<td></td>
</tr>
<tr>
<td>Case Studies (1 cr) or Design of Mfg Systems (4 cr)</td>
<td></td>
</tr>
<tr>
<td><strong>Electives:</strong></td>
<td></td>
</tr>
<tr>
<td>Design of Mfg Systems, Inv Mgmt, Heuristic Methods for Opt, Quality Control, Systems Eng I, OR Tools for FE, Adv Stoc Processes, Data Mining, Revenue Mgmt, Spreadsheet-Based Modeling, Supply Chain Mgmt, OR Apps in Health Systems, Game Theory, Systems Eng II, Time Series Analysis, ...</td>
<td>Databases (CS), Machine Learning (CS), Yield Mgmt (HADM), Data-Driven Analytics (HADM), Marketing Research (JGSM), IS Mgmt (HADM), E-commerce (JGSM), Project Mgmt (CEE), Six Sigma (Sys Eng) ...</td>
</tr>
</tbody>
</table>

**MEng Project (5 cr) Oct - May**
Applied Operations Research

- Most *flexible* concentration option
- No additional prerequisites
- No specific elective requirements
- MEng Project: ORIE 5980
  - Wide variety of project topics
  - ORIE faculty serve as project advisors
  - Project slate presented and teams assigned in mid-October
Data Analytics

• Better for students who have already taken ORIE 5500 (or equivalent)

• Required Course Areas:
  ➢ Statistical Data Analysis (2 courses)
  ➢ Database/Spreadsheet Technology (1 course)
  ➢ Marketing and Pricing Strategy (1 course)

• Course options in handbook

• Suitable courses may be substituted by petition

• MEng Project: ORIE 5980
Information Technology

• Better for students who have already taken one or more ORIE core courses (or equivalent)

• Required Course Areas:
  ➢ Technology and Infrastructure (1 course)
  ➢ Information Economics and Strategy (1 course)
  ➢ Managing IT Implementation (1 course)
  ➢ Approved Elective Course

• Course options in handbook
• Suitable courses may be substituted by petition
• MEng Project: ORIE 5980
## ORIE 5980 Project Timeline
**(AOR, DA, IT concentrations)**

<table>
<thead>
<tr>
<th>When</th>
<th>Activity/Milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>October</strong></td>
<td>Faculty advisors and/or sponsors describe projects. Students submit preferences and are assigned to teams.</td>
</tr>
<tr>
<td><strong>November – December</strong></td>
<td>Initial visits, fact-finding. Detailed project proposal/initial report due in December.</td>
</tr>
<tr>
<td><strong>Early January</strong></td>
<td>Teams return to campus <em>2 to 3 weeks before classes begin</em> and devote full energies to project work.</td>
</tr>
<tr>
<td><strong>January – April</strong></td>
<td>Project work continues throughout spring semester. Midterm report due in March.</td>
</tr>
<tr>
<td><strong>Late April – May</strong></td>
<td>Teams present project results to client management. Project reports are finalized, printed, and delivered.</td>
</tr>
<tr>
<td>Project Client/ Organization</td>
<td>Project Title</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>-------------------------------------------------------------------</td>
</tr>
<tr>
<td>Cayuga Medical Center</td>
<td>Operating Room Scheduling at Cayuga Medical Center</td>
</tr>
<tr>
<td>Central Recycling Co-op</td>
<td>Sampling Process Evaluation</td>
</tr>
<tr>
<td>CitiBike</td>
<td>Citi Bike Maintenance Analysis and Simulation</td>
</tr>
<tr>
<td>Hospital for Special Surgery in NYC</td>
<td>Surgeon Block Schedule Optimization and Central Sterile Processing Analysis</td>
</tr>
<tr>
<td>Migros</td>
<td>Analysis of Product Pairings for MIGROS MJET Stores</td>
</tr>
<tr>
<td>MITRE Corporation</td>
<td>Air Force Cannibalization Overview</td>
</tr>
<tr>
<td>Netrix</td>
<td>Network Capacity Planning</td>
</tr>
<tr>
<td>Pitney Bowes</td>
<td>Forecasting Mail Arrivals</td>
</tr>
<tr>
<td>Pitney Bowes</td>
<td>Hub Location and Operational Analysis</td>
</tr>
<tr>
<td>Walmart.com</td>
<td>Root Causing Zone Performance</td>
</tr>
</tbody>
</table>
# MEng Curriculum for FE

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Summer</th>
<th>Fall Semester (CFEM)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Courses:</strong></td>
<td><strong>Core Courses:</strong></td>
<td></td>
<td><strong>Core Courses:</strong></td>
</tr>
<tr>
<td>• Optimization I (4 cr)</td>
<td>• Optimization II (2 cr or 4 cr) or Opt. Modeling in Finance (3 cr)</td>
<td></td>
<td>• Computational Methods in Finance (3 cr)</td>
</tr>
<tr>
<td>• FE with Stochastic Calculus I (4 cr)</td>
<td>• FE with Stochastic Calculus II (4 cr) or Credit Risk (3 cr) or Quant Methods in Risk Mgmt (3 cr)</td>
<td></td>
<td>• Financial Engineering Colloquium*</td>
</tr>
<tr>
<td>• Derivatives I &amp; II (3 cr)</td>
<td>• Stats for FE (4 cr) or Time Series Analysis (4 cr)</td>
<td></td>
<td><em>May be taken for 1 or 2 credits, but can be taken for 1 credit only if student has already completed 1 credit of Enterprise Engineering Colloquium.</em></td>
</tr>
<tr>
<td>• Fixed Income Securities &amp; Interest Rate Options (3 cr)</td>
<td>• Monte Carlo Methods in FE (2 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Monte Carlo Simulation (2 cr)</td>
<td>• Investments &amp; Portfolio Analysis (3 cr)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• (Optional) Enterprise Engineering Colloquium</td>
<td>• (Optional) Enterprise Engineering Colloquium</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Electives (6 crs total with >=2 crs at CFEM):**
- Data Mining, Adv Stoc Processes, Game Theory, ...
- Multivariate Analysis (STSCI), Databases (CS), Machine Learning (CS), Comprehensive Financial Statement Analysis (JGSM), International Finance (JGSM),...  
- Bond Math & Mortgage-Backed Securities, High Frequency Trading, Corporate Credit Analysis, Quantitative Risk Mgmt...
Financial Engineering

• Additional Prerequisites:
  - ORIE 5500 and basic finance are required.
  - ORIE 5510 and C++ are strongly recommended.

• Highly structured 3-semester concentration covering:
  - Mathematics
  - Statistics
  - Finance
  - Computation

• MEng Project: ORIE 5961
  - Wide variety of project topics in finance
  - ORIE faculty serve as project advisors
  - Project slate presented and teams assigned in April-May
# ORIE 5961 Project Timeline (FE concentration)

<table>
<thead>
<tr>
<th>When</th>
<th>Activity/Milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>April – May</td>
<td>Faculty advisors and/or sponsors describe projects.</td>
</tr>
<tr>
<td></td>
<td>Students submit preferences and are assigned to teams.</td>
</tr>
<tr>
<td>June – August</td>
<td>Students contact sponsors.</td>
</tr>
<tr>
<td></td>
<td>Background reading and preparation.</td>
</tr>
<tr>
<td>September – November</td>
<td>Project work continues throughout fall semester.</td>
</tr>
<tr>
<td></td>
<td>Midterm report due in October.</td>
</tr>
<tr>
<td>Late November – December</td>
<td>Teams present project results to client management.</td>
</tr>
<tr>
<td></td>
<td>Project reports are finalized, printed, and delivered.</td>
</tr>
</tbody>
</table>
### 2014-2015 FE Projects

<table>
<thead>
<tr>
<th>Project Client/ Organization</th>
<th>Project Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guggenheim Partners</td>
<td>Prospecting for Future Acquisition Targets</td>
</tr>
<tr>
<td>Cornell Investment Office</td>
<td>Asset Allocation Techniques for Large Endowments</td>
</tr>
<tr>
<td>Alliance Bernstein</td>
<td>Price Pattern Driven by Options Activity</td>
</tr>
<tr>
<td>Cantor Fitzgerald</td>
<td>Competition and US Equity Market Microstructure</td>
</tr>
<tr>
<td>HETCO</td>
<td>Strategies in Oil Options</td>
</tr>
<tr>
<td>BlackRock</td>
<td>Mortgage Pool Prepayment Estimation</td>
</tr>
<tr>
<td>Studley</td>
<td>Commercial RE Stochastic Rent Modeling and Option Pricing</td>
</tr>
<tr>
<td>Citi</td>
<td>Treasury and Consumer Market Risk Forecasting and Hedging Retail Credit Losses</td>
</tr>
</tbody>
</table>
Manufacturing & Industrial Engineering Concentration

John Callister
Director of the Harvey Kinzelberg Entrepreneurship in Engineering Program
M&AE/OR&IE Departments
291 Grumman Hall/426 Rhodes Hall
jc62@cornell.edu
M&IE Required Courses

Fall Semester
• OR&IE 5100: Design of Manufacturing Systems
• OR&IE 5910: Manufacturing & IE Project Course
• OR&IE 9100: Enterprise Engineering Colloquium

Spring Semester
• NBA 5530: Accounting and Financial Analysis for Engineers
  or NBA 5020: Managerial Cost Accounting
• OR&IE 5910: Manufacturing & IE Project Course
• OR&IE 9100: Enterprise Engineering Colloquium
Select Three or More

1. ECE 4320 MicroElectro Mechanical Systems (MEMS) (Spring, 4 credits)
2. ECE 5830 Introduction to Technical Management (Fall, 3 credits)
3. NBA 6410 Supply Chain Management (Spring, 4 credits)
4. A&EP 6630 Nanobiotechnology (Fall, 3 credits)
5. CEE 5900 Project Management (Fall and Spring, 4 credits)
6. CEE 5930 Engineering Management Methods (Fall, 4 credits)
7. NCC 5580 Managing Operations (Fall and Spring, 3 credits)
8. OR&IE 5140 Model Based Systems Engineering (Fall, 4 credits)
9. NBA 6120 Disruptive Technologies (Fall, 2 credits)
10. OR&IE 5150 Economic Analysis of Engineering Systems (Spring, 4 credits)
11. OR&IE 5126 Principles of Supply Chain Management (Spring, 3 credits)

...and others by petition...just ask!
M&IE Projects

• Can be off campus, with real companies in the area.
• We have a manufacturing project arranged with one company in the area, Stonewell Bodies, a manufacturer of portable workshops for farriers.
M&IE Projects

• Can be on campus.

• We could really use some help on the Cornell FSAE racing team putting together the cost report and the marketing/production report.

• We did not do too well last year, and hope to win this year!
Strategic Operations Immersion

Srinagesh Gavirneni
Jan Suwinski

Samuel Curtis Johnson Graduate School of Management
Strategic Operations Immersion

• A coherent, integrated view of an entire industrial enterprise:
  
  ➢ Overview of current issues and trends.
  
  ➢ Practical understanding of operations.
  
  ➢ Linkages between operations and other functions inside and outside the company.
  
  ➢ Top-level through floor-level issues.
  
  ➢ Classroom learning plus 15 site visits to see current practices in Operations.
  
  ➢ Visit both manufacturing and service companies
The Model

- Corporate HQ
- Business Strategy
- Finance
- Mktg.
- Operations
- Human Resources
- R&D
- Information Technology
- Operations Strategy
- Suppliers → “Plant” → Customers
- Supply Chain Management
- Logistics
- Globalization
- Suppliers → “Plant” → Customers
### Coursework

#### Format:
- Your only class.
- Starts one week earlier than normal classes.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operations Management Core</td>
<td>2.5</td>
</tr>
<tr>
<td>SSO Practicum</td>
<td>4.5</td>
</tr>
<tr>
<td>Management Cases</td>
<td>2.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost Accounting</td>
<td>3.0</td>
</tr>
<tr>
<td>Supply Chain Analytics and Supply Chain Strategy</td>
<td>3.0</td>
</tr>
<tr>
<td>Retail Operations</td>
<td>1.5</td>
</tr>
<tr>
<td>Information Science or Financial Valuation</td>
<td>1.5</td>
</tr>
</tbody>
</table>
Site Visits - Examples

- Guardian Glass
- Raymond
- Cigna
- Sentry Safe
- UPS
- Kionix
- Tompkins Trust
- Macy’s Logistics
- Goldman Sachs
- Cayuga Medical Center
- Welch Allyn
- GE Locomotive
- Kennedy Valve
- Lord Corp. (3-day Kaizen)
- Trane
- Maines
- Quest Diagnostics
- Renaissance Hotels
- Johnson & Johnson
- Nucor
Typical Site Visit Schedule

- 1:00 PM Arrive at Sentry Safe
- 1:00 PM – 2:00 PM Jim Brush, CEO, addresses the group and discusses “Life with Wal-Mart”
- 2:00 PM – 3:00 PM Group A tours Molded (Bldg 900), Group B tours SLS (Bldg 882)
- 3:00 PM – 4:00 PM Lean @ Sentry / Value Stream Map example
- 4:00 PM – 5:00 PM Group A tours SLS (Bldg 882), Group B tours Molded (Bldg 900)
- 5:00 PM – 5:30 PM Question & Answer Session
- 5:30 PM Departure from Sentry Safe
Guest Speakers

• Mike Train, Process Group VP – Emerson
• Steve Barry, VP Manufacturing – Sentry Safe
• Olga Narvskaia – Dropbox
• Rick Watters, VP-HR – UTC
• Fazil Pac – Cloud Business Operations, Google
• Jamie Hintlian – E&Y
• Bill Carroll – Hertz
CORNELL SYSTEMS engineering

MASTERING COMPLEXITY

Linda Nozick, Program Director
Systems Engineering Minor Course Requirements

- Model-Based Systems Engineering (ORIE 5140)
- Systems Arch., Behavior, Optimization (ORIE 5142)
- Project Management (CEE 5900)
- Systems Engineering Project (ORIE 5940)
- Systems Elective (any MEng course with substantial systems content: see pre-approved list)
Contact Information

Cornell Systems Engineering
Director
202 Rhodes Hall
Cornell University
Ithaca, New York 14853
Telephone: 607.254.8998
Email: systemseng@cornell.edu
www.systemseng.cornell.edu
MEng Program: Professional Development
Professional Development

- Cornell and Engineering Career Services
- ORIE *MEng Connect* Program
- ORIE Online Profiles
- ORIE Alumni Connections
- CFEM Career Support for FE students
Career Services

Engineering Co-op & Career Services (ECS)

201 Carpenter Hall, 607-255-5006
eng-career@cornell.edu

http://www.engineering.cornell.edu/resources/career_services/
http://www.engineering.cornell.edu/resources/career_services/events.cfm

Cornell Career Services (CCS)

103 Barnes Hall, 607-255-5221
career@cornell.edu

http://www.career.cornell.edu/
http://www.career.cornell.edu/career/events/calendar.cfm
Career Services

• ECS and CCS offer *a full range* of workshops on resume writing, cover letters, networking, interviewing, job search strategies, etc.

• For MEng students only:
  ➢ Summer prep sessions (July-August)
  ➢ Career Bootcamp (August)
  ➢ MEng Nuts and Bolts (Sept)

• On-campus career fairs (Sept, Feb)
• On-campus recruiting
• Online resume submission (Cornell Handshake)
• Resume and cover letter review
• Mock interviews
MEng CONNECT Program

• 5-Day Workshop for ORIE MEng students focused on essential skills for success. Topics include:
  ➢ Connecting with People
  ➢ Preparing for the Job Hunt
  ➢ Navigating the Job Hunt
  ➢ Interviewing Essentials
  ➢ Communicating in the Professional Environment

• Held in August and January before classes begin

• Mandatory for all incoming students
ORIE Online Profiles

http://www.orie.cornell.edu/academics/master/students.cfm

• Potential employers will be able to view your:
  ➢ Name and Cornell email
  ➢ Concentration and areas of interest
  ➢ Expected graduation date
  ➢ Photograph
  ➢ Professional statement
  ➢ Resume
ORIE Alumni Connections

• ORIE 9100: Enterprise Engineering Colloquium
  - Alumni speakers discuss their experiences across a wide spectrum of industries, functions, and ventures
  - During the fall semester, CEAA sponsors post-seminar gatherings for speakers and small groups of students (4-6 students each week).
  - [http://www.engineering.cornell.edu/alumni/association/seminar/](http://www.engineering.cornell.edu/alumni/association/seminar/)

• ORIE Mentor Database
  - ORIE’s own mentor database – use it to connect with alumni in your field of interest for career advice and professional networking.
  - [http://www.orie.cornell.edu/academics/master/search-for-a-mentor.cfm](http://www.orie.cornell.edu/academics/master/search-for-a-mentor.cfm)
## CFEM Career Support

<table>
<thead>
<tr>
<th>For Ithaca FEs</th>
<th>For CFEM FEs</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Career Boot Camp at CFEM</td>
<td>• Individual office hours at the beginning of your final semester</td>
</tr>
<tr>
<td>➢ In August/September</td>
<td>• Resume critique</td>
</tr>
<tr>
<td>• Career office hours</td>
<td>• Interview prep</td>
</tr>
<tr>
<td>• Resume books and resume drops</td>
<td>• Mock interviews</td>
</tr>
<tr>
<td>• Recruiting info sessions (broadcast from CFEM)</td>
<td>• Interviewing workshops</td>
</tr>
<tr>
<td>• Interviews via long-distance conference calls</td>
<td>• Networking events with alumni and other professionals</td>
</tr>
<tr>
<td>• Interview prep</td>
<td>➢ Meet and Greet Wall Street</td>
</tr>
<tr>
<td>• Networking events</td>
<td>➢ GARP events</td>
</tr>
<tr>
<td>➢ Bus transportation to NYC provided for certain events</td>
<td>➢ Alumni Reunions</td>
</tr>
<tr>
<td></td>
<td>➢ Weekly speakers</td>
</tr>
</tbody>
</table>
MEng Program: Placement
ORIE MEng Placement

• May 2014 Graduates
  - At graduation: 87%
  - After six months: 100%

• Summer 2014 Internships (FE): 100%

• December 2014 Graduates (FE)
  - At graduation: ~75%
  - After six months: >95%

• May 2015 Graduates
  - At graduation: ~70%
  - After three months: >85%

• Summer 2015 Internships (FE): 100%

Median Starting Salary was $70,000 – $75,000 (Non-FE) in 2014
$85,000 – $90,000 (FE) in 2014
Source: ORIE Exit Surveys

Median Starting Salary was $70,000 – $75,000 (Non-FE) in May 2015
Source: ORIE Exit Surveys
Where do ORIE students get jobs?

• **Consulting**: Accenture, BCG, Deloitte, EY, IBM, KPMG, Oliver Wyman, Opera Solutions, Princeton Consulting Group, PwC, Stroud Consulting…

• **Marketing Consulting**: Kurt Salmon Associates, Marketing Analytics, Revenue Analytics, Rosetta Marketing Strategies, ZS Associates, …

• **Financial Services**: AMEX, Barclays, BNP Paribas, BlackRock, Capital One, Citi, Goldman Sachs, HSBC, JP Morgan, KGS Alpha, M&T Bank, Morgan Stanley, MSCI, Nomura Securities, RBS, State Street, UBS, …

• **Technology**: Amazon.com, Bloomberg, Carmax, Facebook, Google, Microsoft, MicroStrategy, Oracle, Palantir, Paragon Decision Technology, Reddwerks, Yahoo!, Walmart.com, Workday…

• **Manufacturing/Logistics**: Boeing, DuPont, GE, Intel, Johnson & Johnson, P&G, Schlumberger, Topco, VistaPrint, UPS, …

• **Government Related**: Booz Allen, Lockheed Martin, Mitre Corporation, Northrop Grumman, Raytheon, …
MEng Program: Applying and Financial Aid
Applying to the MEng Program

Deadline for spring admission is **September 15th**
Deadline for fall admission is **December 1st**

- Apply **online** through the Cornell University Graduate School: [http://www.gradschool.cornell.edu/admissions/apply](http://www.gradschool.cornell.edu/admissions/apply)

- A completed application includes:
  - Statement of purpose
  - Transcripts
  - 2 letters of recommendation (3 preferred)
  - Official GRE scores (Cornell undergraduates exempt)
  - Official TOEFL scores (if applicable)
  - Prerequisites form (part of application)
  - Resume (supplementary information section)
Spring Admission

Limited to those already at Cornell. All Spring applicants:

• Must be prepared to **start MEng Project work during the previous fall semester**, including 2-3 weeks in January **before** classes begin
• Should **contact us before applying** to discuss options
• Should **not expect financial aid**
• Should recognize that the bar is higher because you must **incorporate yourself into the program immediately**
• Must submit an Early Admit Study Plan if applying as an Early Admit student (Cornell undergraduates only)

**Note:** There is NO spring admission for the FE concentration unless: (1) you can fully satisfy FE curriculum requirements during the previous fall semester as a senior, **or** (2) you plan to complete the program over four semesters (S-F-S-F).
Financial Aid

- Like most professional degree programs, financial aid is very limited.
- MEng students may be awarded partial tuition fellowships or Graduate Teaching Specialist positions from the School of ORIE. MEng students are not eligible for ORIE research assistant positions.
- Many Spring GTS positions will be awarded based on merit late in the fall semester.
- **Other Financial Aid possibilities:**
  - [http://www.engineering.cornell.edu/academics/graduate/financial_aid/meng/](http://www.engineering.cornell.edu/academics/graduate/financial_aid/meng/)
  - [http://www.engineering.cornell.edu/academics/graduate/degrees/meng/financial_aid.cfm](http://www.engineering.cornell.edu/academics/graduate/degrees/meng/financial_aid.cfm)
- **Loan Information:**
  - [http://www.gradschool.cornell.edu/costs-and-funding/loans](http://www.gradschool.cornell.edu/costs-and-funding/loans)
Special Awards for Cornell UGs

- **The Lynn Bussey Prize**
  Awarded annually at commencement to an outstanding student in ORE pursuing the ORIE MEng.

- **The Allan H. Mogensen Award**
  Awarded annually at commencement to an outstanding student in ORE pursuing the ORIE MEng.

- **The Geraldine and Sam Dell Master of Engineering Fellowship**
  Awarded annually to an exceptional Cornell UG pursuing the ORIE MEng. The recipient must demonstrate strong ethical grounding, leadership, teamwork, and have a fundamental understanding of the application of theory to practical business problems.
Additional Information

http://orie.cornell.college-tour.com/

• MEEng Program Information, Students, and FAQs
  ➢ http://www.orie.cornell.edu/academics/master/index.cfm
  ➢ http://www.orie.cornell.edu/academics/master/students.cfm
  ➢ http://www.orie.cornell.edu/academics/master/faq/index.cfm

• CFEM
  ➢ http://www.orie.cornell.edu/cfem

• Latest ORIE News
  ➢ http://www.orie.cornell.edu/news

• International Student and Scholars Office
  ➢ http://www.isson.cornell.edu
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