Finding a Path, Starting the Journey: *Preparing Students for Lifelong Success*

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Agenda

• Intro to Career Advising & Professional Development

• Survey Says…

• The importance of experiences and skills

• Parents can make a difference
Career Advising & Professional Development

We empower students, postdocs, and alumni to explore their life and career goals by helping them to develop core competencies and build professional networks.
Career Advising & Professional Development

Career Services
- Helps students explore and prepare for their careers, internships, and employment.
- Connects them to employers and industry.

Prehealth Advising
- Helps students explore and prepare for application to medical and health profession schools.

Professional Development
- Helps students develop skills and competencies to prepare for personal and professional success while at MIT and beyond.

NEW!
Programs and Services

**Career Services**
- Targeted Programs for First Year Students
- Career workshops and panels
- Career fairs and networking events
- Graduate School Advising
- Resume critiques and mock interviews
- On Campus Recruiting

**Prehealth Advising**
- Advising
- Mentoring
- Shadowing opportunities
- Essay critiques
- Practice interviews
- Application guidance
- Credentials Services

**Professional Development**
In this inaugural year, we are making progress on:
- Developing a competency framework for students
- Cataloging experiences and opportunities for students to gain competencies while at MIT
- Creating new programs, as needed
Taking the Pulse of our Audience

You are surrounded by people with different career experiences.

Stand, and remain standing if...

• You had clear career goals when you completed high school
• Your studies were directly connected to these career goals
• Your career goals didn’t change while you were in college
• You are still in this career field
Students come to MIT Ready to Focus on their Passion
Connection between Career Goals and Academic Major
Explore, Explore, Explore
Career Perspectives

Jobs of the future may not exist now

MIT Students: Versatile+Creative+Analytical = Many Career Options

A more competitive workplace requires core competencies
What skills do you think U.S. employers use to screen university students?
## What Employers Seek

Figure 3: Need vs. Proficiency of Career Readiness Competencies, by Percent of Respondents

<table>
<thead>
<tr>
<th>COMPETENCIES</th>
<th>CONSIDERED ESSENTIAL*</th>
<th>RATED PROFICIENT**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teamwork/Collaboration</td>
<td>97.5%</td>
<td>77.0%</td>
</tr>
<tr>
<td>Digital Technology</td>
<td>64.2%</td>
<td>65.8%</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving</td>
<td>99.2%</td>
<td>55.8%</td>
</tr>
<tr>
<td>Professionalism/Work Ethic</td>
<td>100%</td>
<td>42.5%</td>
</tr>
<tr>
<td>Oral/Written Communications</td>
<td>95.9%</td>
<td>41.6%</td>
</tr>
<tr>
<td>Leadership</td>
<td>68.6%</td>
<td>33.0%</td>
</tr>
<tr>
<td>Global/Multi-Cultural Fluency</td>
<td>31.1%</td>
<td>20.7%</td>
</tr>
<tr>
<td>Career Management</td>
<td>47.1%</td>
<td>17.3%</td>
</tr>
</tbody>
</table>

Source: Job Outlook 2018, National Association of Colleges and Employers
Where do Students Get Career Information?*

- Peers: 96%
- MIT Fall Career Fair: 90%
- Parents: 89%
- My Advisor: 75%
- Internships: 73%
- Student Groups: 73%
- Research Program: 71%
- Other Faculty: 71%
- Alumni: 70%
- My Department: 70%
- Online Platforms (i.e. LinkedIn): 69%
- MIT Career Services: 62%
- People in Your Research Group: 48%

*2017 Career Exploration Survey
Respondents could select multiple answers, so % is more than 100%.
Other: Took classes, studied abroad, time off, military training or other activity.

Source: 2017 MIT Summer Experience Survey
Robust Recruiting Programs

Web-based Recruiting
- Accessible 24/7
- Top companies recruit at MIT

On-Campus Interviews
- 130+ Employers
- 2,600+ on-campus interviews
- 2,042 jobs posted

Survey says
- MIT Career Services is one of the top sources of employment for MIT graduates
Class of 2018 Preliminary Career Outcomes

PLANS AFTER GRADUATION

<table>
<thead>
<tr>
<th>Work</th>
<th>Grad School</th>
<th>*Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>52%</td>
<td>39%</td>
<td>9%</td>
</tr>
</tbody>
</table>

* Fellowships, Education, Travel, and Volunteer Work

Over 48% of those not immediately attending graduate school plan to do so within 5 years.

TOP EMPLOYERS

Google, General Motors, Apple, Accenture, Facebook, Microsoft, BCG, McKinsey & Company

AVERAGE SB SALARY

$89,721

17% WORK AT A START UP

TOP INDUSTRIES

Computer Software, Consulting, Engineering, Aerospace

Source: MIT Graduating Student Survey
Top Hiring Organizations

McKinsey & Company
Google
Amazon
Apple
J.P. Morgan
Microsoft
BCG
United States Navy
Oracle
IBM
Goldman Sachs
Morgan Stanley
Harvard
U.S. Air Force
Deloitte Consulting
Bain & Company
Lincoln Laboratory
Booz Allen Hamilton
Intel
Boeing
Raytheon
**2018 Preliminary Graduate School Data**

### DEGREE TYPES

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD</td>
<td>35%</td>
</tr>
<tr>
<td>MEng</td>
<td>36%</td>
</tr>
<tr>
<td>MS</td>
<td>14%</td>
</tr>
<tr>
<td>MD</td>
<td>11%</td>
</tr>
</tbody>
</table>

*Respondents could select multiple responses.*

- **76% of Graduating Seniors Applied to MIT for Graduate School**

### TOP SCHOOLS 2017

- MIT
- Stanford
- University of California, Berkeley
- Harvard University
- Princeton University
- California Institute of Technology

*Source: Preliminary results for the 2018 MIT Graduating Student Survey*
## MIT Pre-Med Outcomes

### Medical School Applicants

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total MIT applicants</td>
<td>112</td>
</tr>
<tr>
<td>Undergraduates</td>
<td>33</td>
</tr>
<tr>
<td>Graduate Students</td>
<td>5</td>
</tr>
<tr>
<td>Alumni</td>
<td>41</td>
</tr>
</tbody>
</table>

### Medical School Acceptance Rates

<table>
<thead>
<tr>
<th>Category</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduates using GECD Prehealth Advising Services</td>
<td>81%</td>
</tr>
<tr>
<td>National Acceptance Rates</td>
<td>41%</td>
</tr>
</tbody>
</table>
MIT Pre-Med Support

• Large staff of advisors

• Early engagement: Discover Prehealth Freshman Pre-Orientation, Physician Shadowing, and Alumni Mentoring Programs

• Active faculty involvement

• Seminars focusing on contemporary health and medical issues

• Support all MIT applicants with institutional letter of endorsement
Premed Basics

• No “Premed” major at MIT
  – Students major in a variety of disciplines/Review Recommended Prerequisites…MIT General Institute Requirements help fulfill these

• Should gain Exposure and Experience

• A Prehealth Advising Meeting is encouraged during the Freshman year, and recommended at least one year in advance of application (spring of Sophomore year or fall of Junior year).

• Freshmen, Sophomores, and Juniors should:
  – JOIN Listserv and MIT Prehealth Advising Facebook Group: Email prehealth@mit.edu w/subject: “Please add me to the [year]” prehealth email list (year you plan to enter medical school)
  – ATTEND workshops, events, and school information sessions
  – COMPLETE recommended prerequisites
  – PARTICIPATE in MIT Physician Shadow Program
  – GET INVOLVED in activities (medical and non-medical)
Your Role

• Support **self-assessment** and the **exploration** of strengths, interests, experiences and the world of work.
• Support selected **involvement in extracurricular activities**, those related to career goals but also to broader areas.
• Be aware of resources and **empower them to make their own decisions** and be supportive of their choices.
• Promote the **value of practical and broad experiences** in building competencies and making informed career decisions.
• Help them to **plan ahead** and to become **results-oriented**. Encourage them to **visit our office early and often**.
• Promote the hiring of MIT students at your company.
• **Support and encourage their decision-making** and try to avoid directive advice giving. Good questions (with encouragement) can help them think through options, while “owning” their process.
Career Advising & Professional Development

Find your path. Start the journey.
What Questions Do You Have?