Duke Master of Engineering Program Overview

Duke University
Master of Engineering Program
Admitted Students Day
March 27, 2015

Dr. La Tondra Murray - Director, Professional Masters Programs

Agenda

- Schedule
- Why Duke MEng?
- Is MEng for You?
- Value
- Challenge
- Packet Review
Schedule

10:00-10:30  Welcome/Overview
10:30-11:30  Sample Course (Management)
11:30-12:00  Career Services Overview
12:00-12:45  Lunch w/ Faculty + Students
12:45-1:15  Dessert + Mingle w/ Faculty + Staff
1:30-2:15  Sample Workshop
2:15-3:00  Housing Overview
3:00-4:00  Campus Tour
4:00-5:30  Seminar
5:30-6:00  Seminar Reception
6:00-7:30  Optional – Tour of Durham
8:30-10:00  Optional – Social Event w/ Students

Why Duke?

• Consistently Ranked as a Top 10 University
• “Knowledge in the Service of Society”
• Research Triangle Area
• Innovative + Entrepreneurial: DuHatch, DukeGen, SmartHome, etc.
• Global reach: Global Health Institute, Engineers without Boarders, globally diverse student body + alumni network
Why MEng?

- In-depth, industry relevant technical knowledge
- Broad integration of business, leadership and communication skills
- Student-oriented staff and programs
- World class faculty and students

An Interdisciplinary Approach

Increasingly, it is becoming recognized that opportunities for engineers will lie at the boundaries of disciplines:

- New materials are designed by materials scientists, engineers of all types, chemists, physicists and biologists
- Environmental sensors and sensor networks (such as are used to monitor the environment and man’s effect on it) are designed collaboratively by electrical engineers, system engineers, civil engineers, and environmental scientists
- Medical imaging breakthroughs come from collaboration between medical specialists, biomedical engineers, physicists, electrical engineers, and others

...and so on

The Fitzpatrick Center, as the home to “no one department” and emphasizing an interdisciplinary approach to research and education, is emblematic of the future of engineering education.
Department Ties to Initiatives

Biomedical Engineering

Materials

Electrical & Computer Engineering

Photonics

Civil & Environmental Engineering

Environmental Engineering

Bioengineering

Mechanical Engineering & Materials Science

Is Duke MEng Right for You?

Consider these questions:

- How willing are you to reflect?
- What leadership qualities do you want to develop?
- How do you want to build your engineering expertise?
- How well do you collaborate?
- Which new skill areas do you want to explore?
- Who do you want to engage as a part of your network?
- How do you hope to grow as a result of your graduate school experience?
Duke MEng Value

① Explore world class engineering courses and deepen your technical knowledge
② Apply your knowledge of business fundamentals to real world situations
③ Understand team dynamics and work effectively in diverse groups
④ Enhance your communications skills
⑤ Operate in a global context

Today’s Challenge

① Talk with students, faculty, and staff
② Ask questions
③ Connect with other admitted candidates
④ Reflect on your experience to decide whether Duke is a good fit for you
⑤ Have fun!