

ECE GRADUATE INFORMATION SESSION

1/19/10

eeweb.poly.edu/~chao



We offer Master Degrees in

- **Electrical Engineering (MS EE)**
- **Computer Engineering (MS CompE)**
- **Telecommunication Networks (MS TN)**
- **Systems Engineering (MS SE)**
- **Electrophysics (MS EP)**
- **Master of Engineering in Interdisciplinary Studies (Wireless Innovation) (MEWI)**
- **Biomedical Engineering (MS BE)**
 - **Joint with Chemical and Biological Science Dept.**
 - **Some courses co-listed with ECE**



Master Degree Requirements

- **30 credits are required**
 - **10 onsite courses (each 3 credits) or 10 online courses (each 3 credits) or combination**
- **Must take 3 core courses and 2 sequences (each 2 courses)**
 - **Core/sequences vary among programs**
- **Up to 9 credits may be transferred**
- **Must maintain ≥ 3.0 GPA (B average) among all graduate courses**
- **B average is also required among the core and sequence courses**



ECE People

- **26 Professors plus 3 research University Professors**
 - **12 full, 7 associate, 3 assistant, 4 industry professors**
 - **2 National Academic Engineers**
 - **8 IEEE Fellows**
- **Undergraduate Study**
 - **Prof. Ivan Selesnick and Ms. Ellen Daniels**
- **Graduate Study**
 - **Prof. Yao Wang and Prof. XK Chen**
- **About 400 UG students and 800 Graduate students, ~30% of the entire student population**



Research in ECE Dept

- Annual research fund: \$4 M
- 2 Research Centers:
 - CATT
 - Center for Advanced Technology in Telecommunication
 - For next 10 years: \$1M fund from NY State and \$1M match from industry
 - WICAT
 - NSF Industry University Cooperative Research Center for Wireless Internet (IUCRC)
- PhD students: 70
- Research report available at eeweb.poly.edu



Suggestions to MS Students

- Do project (EL995) or thesis (EL997)
- Sharpen your C/C++/Java or VHDL/FPGA/ASIC
- Enrich your presentation skill
- Do intern in the summer
- Keep good interaction/relationship with professors
- Extend your social network, especially to those that are working in industry

