

UTA EE Graduate Students:

GRA, Scholarship and unfunded research positions in the Analog IC Research Group are available primarily for students who have finished EE 5340 and 5305 (and/or 5348) and 5312. At this time, we are accepting applications for Fall 2009.

When we do take on a new research student, these are the considerations:

1. Some GRA openings include a stipend. (A paid GRA qualifies you for in-state tuition rates.)
2. Not all opportunities to do research in our group include a stipend. (Unfortunately, such positions do not qualify for in-state tuition rates.) In such a case, we do accept students who want to do MS thesis or PhD dissertation research even though we do not have funds to pay a stipend.
3. Usually, we only take on a new GRA (with or without stipend) if the student has already taken one of the above listed classes for credit. We are especially interested in students who have taken one or more of the following courses (with the semesters that courses are usually taught):
 - a. EE 5340 - Semiconductor Device Theory (Fall)
 - b. EE 5342 - Semiconductor Device Modeling & Characterization (Spring)
 - c. EE 5305 - Advanced Electronics (Fall and sometimes Spring)

There some additional classes that are important for you to consider including in your Program of Work if you want to do MS thesis or PhD dissertation work with me. These courses are (in numerical order):

1. EE 5305 - Advanced Electronics (Fall)
2. EE 5311 - VLSI Signal Processing Architectures
3. EE 5312 - VLSI Design and Technology (Fall)
4. EE 5317 - Advanced Digital VLSI Design
5. EE 5318 - Advanced CMOS IC Design
6. EE 6316 - Advanced Analog VLSI Systems
7. EE 5341 - Electronic Materials: Fundamentals and Applications (Spring - new name)
8. EE 5343 - Silicon Integrated Circuit Fabrication Technology (Fall)
9. EE 5344 - Compound Semiconductor Circuit Fabrication Technology
10. EE 5346 - Microwave Devices (Spring of even # years)
11. EE 5347 - Microwave Circuits (Spring of odd # years)
12. EE 5348 - Radio Frequency Design (Spring)
13. EE 6342 - Advanced Quantum Devices
14. EE 6344 - Nanosystems and Quantum Electronic Devices

In fulfilling the requirements for your degree, some other courses to consider including in your Program of Work are (in numerical order):

1. EE 5302 - Random Signals and Noise
2. EE 5307 - Linear Systems Theory
3. EE 5328 - Instrumentation and Measurement
4. EE 5331 - Microwave Systems Engineering
5. EE 5352 - Statistical Signal Processing



<http://www.uta.edu/ronc> - for an application form, see <http://www.uta.edu/ronc/GRAppI.doc>