

## Analog Alliance

### Power Circuits

Example outcomes gained by taking this track would include joining groups that design and maintain low-voltage power regulator chips and subsystems. These are used, in turn, in just about every electronic device made, from GameBoys to Servers. Local employers looking for skills in this area include **Intersil**, Sentec, and Linear Tech.

Courses central to obtaining this outcome would include the following:

- ECE 534 Switchmode DC-DC converters
- ECE 511 Analog Electronics

### Sample MS Plan of Work

Also, check with the [Semiconductor Power Electronics Center](#) for more detailed information on power management microsystems.

These plans of work are suggestions only. Feel free to seek other advice or to structure your own curricula. Please note that the actual courses taught are constantly changing, and these might be out of date. These are written assuming you are a full time student taking 10 courses over three semesters. You might choose to not overload in Spring, but take one last course in Spring after this.

<b>Analog Integrated Circuit Design, Including RF, Power, Digital Transceivers, and Baseband</b>					
Fall		Spring		Fall	
ECE 511	A	ECE 792X	A/RF	ECE 514	C
ECE 703	A	ECE 712	A	ECE 733	D
ECE 549	RF/M	ECE 532	RF/M	ECE 719	RF/M
ECE 546	D	ECE 534	P	ECE 513	DSP

Last edited by K. Gard 9/21/2006