

DO PHYSICS.

BE ANYTHING.

UNC PHYSICS

## We Mean It – Anything.

When you wonder about how and why things work, you wonder about physics. Those who have wondered before you are responsible for everything from iPods to computers to digital everything. Physics also explores the big questions like how the universe started, why it continues to exist and whether it is expanding.

Pondering and tackling these challenges develops problem solving skills that transcend any one academic pursuit or business sector. Physics is more than just a career path. It's a skill set. That's why 90 percent of all people with a physics background do something other than teach and conduct research at a university. And physics will prepare you to pursue anything from medicine to nuclear power to business. Do physics. Be anything. We mean it.



## Myths and Facts About UNC Physics

### Myth: Physics is too hard.

**Fact:** Engineering, chemistry, biology and physics — it's all hard. Take your choice. You can spend a lot of your time memorizing stuff or you can spend your time thinking about stuff. Don't let the math freak you out, before you even consider physics. Let your mind wonder and explore. What do you want to know? What "why" questions intrigue you? Build an AM radio or build a circuit. Investigate something. Physics is observational. Math is a tool to help you explore those observations deeply.

### Myth: Physics is too abstract.

**Fact:** Your pursuit of physics can be what you want. If you want to pursue whether particles have mass you can. If you want to know how black holes form, then knock yourself out. But physics is also an applied science. Without three key past discoveries that won the Nobel Prizes for Physics in the last ten years, there would be no iPods, computers or digital anything. MRI technology, PET and CT scans, and proton beam therapy for cancer patients were also developed from physics principles.

### Myth: I'm going to medical school and physics doesn't make sense for me.

**Fact:** Most students going to medical school are biology majors. It's hard to make yourself stand out to medical school admissions representatives when you're just one of many biology majors. Also, there are specialties within medicine that are especially suited for physics majors — nuclear medicine, diagnostic medicine and proton beam therapy. You can major in physics and be pre-med; it's just that not too many people know it. Lastly, we expect to offer a major in biological physics designed for pre-meds starting 2011.

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