Agricultural Engineering

Davidson Hall

What is Agricultural Engineering?
Agricultural Engineers are primarily concerned with applying engineering principals and technology to solve problems related to agriculture. Ag Engineering has two options:

- **Power and Machinery**
  - Graduates in the Power and Machinery option can work designing new tractors, combines, and field equipment; or they can design the next generation of construction, logging equipment, or off-road vehicles; or for a hydraulics company that designs and build hydraulic components for transmissions, industrial applications, or hydraulics on field equipment.

- **Agricultural and Environmental Systems**
  - Graduates from the Ag and Environmental Systems option work on maximizing agricultural production while minimizing the negative impact on the environment. For example, they can work for a consulting firm designing livestock facilities and their manure handling structures. They can also design erosion control structures like terraces and grassed waterways.

Labs within Ag Engineering include the John Deere Engines Lab where students tear apart an engine, learn about its components and put it back together and hope it works!

**Numbers:**
- Undergraduates: 125 students (Spring 2011)
- Graduate Students: 69 students (Spring 2011)
- Average starting salary: $54,860
- 100 % In-Profession placement rate within 6 months after graduation
- Ranked in the top 5 nationally for Agricultural Engineering programs

**Clubs and Projects:**
- **American Society of Agricultural and Biological Engineers (ASABE)** – Student branch of the national profession society
- **Cyclone Power Pullers** – A ¼ Scale Tractor team that designs a small scale tractor for competitions.
- **Agricultural Systems Technology (AST)** – An opportunity for students to learn about technology in agriculture.