

Cornerstone Experience

Our First-Year Engineering Curriculum

Opening Fall 2008- New Lab and Workshop Facilities in Wilson Hall

EGR 100- Introduction to Engineering Design (2 credits) provides a set of broad, team-based, hands-on design experiences, and a broad introduction to topics common across all engineering disciplines. It will be required for all majors starting with Fall 2008 freshmen.

EGR 102- Introduction to Engineering Modeling (2 credits) introduces problem solving and mathematical modeling of engineering problems and systems. It will be required for all majors except Computer Science and Computer Engineering. These majors will take CSE 231, which is an introduction to programming using Python to design, implement and test programs to solve problems in the fields of engineering, mathematics and science.

Starting with Fall 2008 freshmen, computing requirements change as follows:

- Computer Science and Computer Engineering majors will continue to take CSE 231.
- Electrical Engineers will switch from taking CSE 231 (4 credits) to EGR 102 (2 credits) plus the new CSE 251 (1 credit).
- All other majors will switch from taking CSE 131 (3 credits) to EGR 102 (2 credits).

Residential Experience for Spartan Engineers

Moving to Wilson Hall Fall 2009.

Reserved Class Sections during the first year of college promote student persistence and success. During the Academic Orientation Program (AOP) academic advisers assist students in choosing appropriate courses and identifying available Spartan Engineering: Residential Experience reserved sections. The purpose of these reserved sections is to promote successful interactions with other residential participants with similar engineering majors, university faculty, and the institution as a whole. Reserved academic sections for residential participants, provides a solid foundation from which students will grow, learn, and progress toward successful completion of their baccalaureate degree.

Spartan Engineering Seminars are offered in the residence hall throughout the academic year. All the engineering seminars are developed with the intent of helping residential participants develop successful strategies to becoming academically and socially prepared to be successful in their new campus environment. These seminars are coordinated by the Peer Leaders and the Academic Advisers.

Tutoring supports the academic success of all residential participants. Free academic tutoring in math and science will be offered in the residence hall. Tutoring services will be provided by students who have successfully mastered the academic skills needed for math and science comprehension. *Tutors are available Sunday through Thursday (6:00pm-10:00pm) of each week to help students work through homework assignments and to prepare for exams.*

Peer Leaders are engineering students who have been selected based on their outstanding leadership, academic achievement, and past participation in the Spartan Engineering: Residential Experience. Peer leaders assist engineering residential participants in getting acquainted with their new campus environment. Engineering Peer Leaders live in the residence hall and are easily available to residents throughout the academic year.