Frequently Asked Questions

What is the engineer of 2020?
In response to the recommendation of the National Academy of Engineering report on the future needs for engineering graduates, the College of Engineering has implemented the Engineer of 2020 program. Beginning with the Fall 2007 class (or graduating in May 2012 or later), to fulfill the requirements for an Engineering BS degree at WSU, each student will complete the program course requirements including at least three of the six criteria. This program will make the educational experience more meaningful to the student and the student more desirable to local and national industries. More details about the program can be found on the College website: http://www.wichita.edu/2020

Why should I care?
Many students at the Wichita State University College of Engineering have a competitive advantage due to the breadth of experience and abilities acquired while at WSU. The Engineer of 2020 enables all students to have documentation of this advantage.

What do I have to do?
Each student has to complete three of the six criteria listed on the left of this page.

Who decides which three criteria?
Students, in collaboration with their advisor, choose the three criteria that best fit their goals and degree plan.

How do I complete these things? (get it approved and signed off?)
A form is available in engineering student records (also at: www.wichita.edu/2020). This form typically must be signed by you and your advisor or the faculty who supervised the activity. The form is then submitted to the Engineering Education Office.

Sample Plans on Reverse Side

Last Revised 08/01/08
Advising Plans

Each student, in collaboration with their advisor, should prepare a plan for completing the requirements for graduation. This plan should explicitly describe the three criteria the student plans to complete and the method for satisfying the requirements for each criterion and the semester of completion.

Sample Plans

2020 Plan for Student A (entering freshman Fall 2007)

1) In Fall 2008, begin Cooperative Education Track (sophomore year)
2) In Spring 2009, complete second cooperative education semester
3) In Fall 2009, complete third cooperative education semester (junior year)
4) In Spring 2010, complete fourth cooperative education semester [coop criterion completed]
5) In Spring 2010, complete the HNRS 152F class and submit a report on a completed project [leadership criterion completed]
6) In Fall 2011, complete a service learning senior project [service learning criterion completed].

2020 Plan for Student B (entering freshman Fall 2008)

1) In Fall 2008, complete a service learning introduction to engineering (ENGR101) project [service learning criterion completed]
2) In Spring 2010, complete an undergraduate research project [undergraduate research criterion completed]
3) In Spring 2010, complete the Manufacturing Engineering Minor [multi-disciplinary criterion completed]

2020 Plan for Student C (transfer student Spring 2008)

1) In Spring 2009, complete a semester abroad [ study abroad criterion completed]
2) In Spring 2010, complete the Mathematics Minor [multi-disciplinary criterion completed]
3) In Fall 2009, complete a leadership class at the company the student is employed as an intern and complete a reflective report on a leadership project [leadership criterion completed]