

# Industrial Engineering, Ph.D.

## Career Advancement

Industrial and systems engineers have many opportunities for employment and service in industrial, government, research, and public service organizations. Employment opportunities are among the most varied in the engineering field. Industrial and systems engineers are employed by manufacturing and energy firms, government agencies, and service organizations such as airlines, banks, hospitals, health care groups, and consulting companies.

The Ph.D. is a gateway toward careers of learning and creation. Employers typically hire people with doctorates to run laboratories, create research directions, and supervise other engineers at the boundaries of knowledge. Ph.D.-level researchers generally enjoy great freedom and tailored work environments as they explore and learn to help create new visions of tomorrow. A Ph.D. opens up academic, research, and entrepreneurial possibilities limited only by one's drive and creativity. Positions are often found through announcements in trade journals, international conferences, and specialized job-posting services. Students often work with faculty to identify and apply for appropriate positions. It is rare that students do not find an appropriate position before completing their thesis.