Systems Engineering

The systems engineering program focuses on complex technology systems that have a far reaching affect on society and its people. These systems are comprised of three types of entities: a) complex products such as aircraft, ships, land vehicles, and military hardware; b) networks of information and infrastructure such as air traffic control, highways, and public works and environmental processes; c) the organization that design, build, and maintain these products, systems and related services, i.e., businesses, military command, and government agencies. The systems engineering program provides knowledge in the activities related to the life cycle of systems including definition, development, deployment, and decommission.

Career Opportunities for Systems Engineering

- Aerospace Engineering
- Industrial Engineering
- Mechanical Engineering
- Metallurgical Mining Engineering

Employers of Systems Engineering Graduates

- Self-Employed
- Federal, State, Local Governments
- Manufacturing Industries
- Professional, Scientific, and Technical Services

Professional Associations and Affiliations

- Engineers
  http://www.bls.gov/oco/ocos027.htm
- Accreditation Board for Engineering and Technology
  http://www.abet.org
- National Society of Professional Engineers
  http://www.nspe.org
- National Council of Examiners for Engineering and Surveying
  http://www.ncees.org
- American Society for Engineering Education
  http://www.asee.org
- Society of Women Engineers
  http://www.swe.org
- Institute of Industrial
  http://www.iienet.org
- American Society of Heating, Refrigerating, and Air-Conditioning
  http://www.ashrae.org
- American Society of Mechanical Engineers
  http://www.asme.org
- ASM International
  http://www.asm-intl.org
- Mineral Information Institute
  http://www.mii.org