Engineering is the study of the practical application of mathematics and science to research and development of economical solutions to practical technical problems. Engineering is the link between scientific discoveries and commercial applications. Asbury has contracted a 3 - 2 Dual Degree Program in cooperation with the University of Kentucky. A student would take courses at Asbury for three years. Engineering courses would be taken primarily during the fourth and fifth years at the University of Kentucky. The student would receive a B.A. in Physical Science (a major offered only to students in this program) from Asbury College upon satisfactory completion of the fourth year. At the end of the fifth year, the student would receive a B.S. in one of the seven engineering fields from UK. These fields include: agricultural, chemical, civil, electrical, mechanical, mining, and materials science and engineering.

Associated Job Titles:
- Electrical Engineer
- Mechanical Engineer
- Civil Engineer
- Industrial Engineer
- Aeronautical Engineer
- Chemical Engineer
- Mining Engineer
- Engineering Technician
- Computer Science Engineer
- Environmental Engineer
- Physicist

Associated Skills:
- Mathematical expertise and understanding
- Ability to use and derive information from computers
- Proficiency in physical science
- Ability to organize, analyze and interpret scientific data
- Ability to make keen observations and sound judgments
- Proficiency in one’s area of specialization
- Knowledgeable of emerging practices and trends
- Ability to work well with others and also alone
- Ability to conduct and clearly explain scientific research
- Intellectual capacity to perform well in undergraduate and graduate curriculums
- Aptitude for accurate details, spatial perception and abstract reasoning

Associated Personal Qualities:
- Love for mathematics and science
- Analytical
- Creativity
- Desire to help others live better
- Enjoys solving complex problems
- Perseverance
- Curiosity
- Imagination
- Dependability
- Enthusiasm for developing ideas and concepts in a practical way
- Love for knowledge and understanding of how things work

Career Library Resources:
- Great Jobs for Engineering Majors
- Peterson’s Job Opportunities in Engineering and Computer Science
- Great Jobs for Engineering Majors
- What Color Is Your Parachute?
- Career Planning Today
- Majoring in the Rest of Your Life
- Do What You Are
- The Kuder Book of People Who Like Their Work
- Encyclopedia of Careers and Vocational Guidance

The Enhanced Guide for Occupational Exploration
The Dictionary of Occupational Titles
The Occupational Outlook Handbook
FOCUS Computer Guidance System

Places To Contact For More Information:
- The Accreditation Board of Engineering and Technology
  111 Market Place Suite 1050
  Baltimore, Maryland 21202
- American Institute of Aeronautics
  1801 Alexander Bell Dr. Suite 500
  Reston, VA. 20191
- American Society of Civil Engineers
  1801 Alexander Graham Bell Dr.
  Reston, VA. 20191
- Institute of Electrical and Electronics Engineers
  1828 L St. NW Suite 1202
  Washington, DC 20036
- Society for Petroleum Engineers
  P.O. Box 833836
  Richardson, TX 75083

Websites To Visit:
- www.ei.org
- www.iienet.org
- www.ashrae.org
- www.tms.org
- www.asee.org
- www.ansi.org
- www.asq.org

Professors To Contact For More Information:
- Dr. Bobby Baldridge, Chair
- Dr. Don Burgess

Nearby Employers:
- American Consulting Engineers PLC 400 E. Vine St. 233-2100
- Burgess & Niple Limited 3201 Nicholasville Rd. 273-0557
- F M S M Engineers Inc 1409 N. Forbes Rd. 233-0574
- Mitchell Engineers 157 Prosperous Place 263-5100
- Commercial Testing and Engineering 340 S. Broadway 243-0210
- Appalachian Mining and Engineering 301 United Ct. 263-8899
- Mason and Hanger Engineering Inc. 2355 Harrodsburg Rd. 223-4773
*Addresses listed are located in the Lexington, Kentucky area unless otherwise noted.

Alumni Contacts:
Schedule an appointment with Career Services to conduct a tailored search for alumni working in the fields associated with this major.

Note: For specific information concerning course requirements of this major, please pick up a major sheet at the Registrar’s Office located in the Administration building.

Information compiled by The Center for Career and Calling located on the second floor of Fletcher-Early, “Helping you S.O.A.R.!” ext. 2401 | careerandcalling@asbury.edu | www.asbury.edu/career