



**Program Information**

<b>College:</b>	Southern Polytechnic College of Engineering & Engineering Technology
<b>Department:</b>	Mechanical Engineering – Undergraduate
<b>Program:</b>	Nuclear Engineering, Minor

**Program Student Learning Outcomes**

Upon completion of this degree from KSU, students will be able to:

1. Describe the design and operation of various reactor types.
2. Understand the applications of nuclear technology and radiation in industry and medicine.
3. Operate nuclear reactor simulators and radiation detection instrumentation.
4. Develop a clear idea of the current needs in the nuclear industry and national laboratories.
5. Obtain specialized knowledge from seminars given by nuclear industry experts.
6. Obtain a 360° vision of the nuclear industry by participating in tours of nuclear power plants, nuclear companies, and federal organizations such as Plant Vogtle, ENERCON, CRANE Nuclear, U.S. Nuclear Regulatory Commission Training Center, and U.S. Department of Energy national laboratories.
7. Gain practical experience in internships and Co-Ops offered by various nuclear companies and federal organizations.