Description:

Duke Energy is currently seeking highly motivated students for summer engineering internships within our nuclear generation organization. Internship will begin in May and last 12 weeks through mid-August. Potential candidates must be currently enrolled in one of the following bachelor's degree programs at an ABET accredited four year college or university and must have completed a minimum of one year of studies prior to beginning the internship.

Bachelor's in Engineering Technology programs do not meet this requirement.

The internships will be located at:
Duke Energy Headquarters (Charlotte, NC)

Corporate Housing will be provided.

As an intern, you will be responsible for assisting engineers in providing support to ensure safe, reliable and economic plant operations in the following areas:

- **Developing Design and Analysis Information Related to Fire Protection**
  - Prepare Fire Protection Suppression and Detection Calculations
  - Prepare Fire Modeling Calculations
  - Provide input to the Fire Probabilistic Risk Analysis

- **Maintaining Fire Protection Program (FPP) at the Duke Nuclear Plants**
  - FPP Administrative Procedures and Program Documents
  - Review transient combustible, hot work, and temporary structure requests
  - Assist with Fire Impairment plan development
  - Support Fire Brigade Training

- **Maintaining design basis for passive FP features**
  - Fire rated walls/floors & penetration seals
  - Fire rated doors
  - Fire rated dampers

(Use this link below to read first-hand about the Nuclear Intern experience)

https://nuclear.duke-energy.com/2017/07/18/the-best-summer-experiences

Basic qualifications:

- Currently enrolled and pursuing an Bachelors in Fire Protection Engineering from an ABET accredited institute (ABET Accreditation can be verified here: http://main.abet.org/aps/Accreditedprogramsearch.aspx)
• Minimum GPA of 2.75 or higher
• Must not graduate prior to December 2018

Desired Qualifications:

• Cumulative GPA of 3.2 or higher
• Computer proficiency in MS Office (i.e.- experience using MS Excel) and other computer analysis programs
• Interest in working in the Nuclear Energy Industry
• Familiar with NFPA Standards
• Previous experience in the area of Fire Modeling

Working Conditions:

• Must be able to meet requirements for nuclear station “Unescorted Access/Security Clearance”.
• Work schedule will be Monday-Thursday, 10 hours shift.

Must have the ability to work without sponsorship (now and in the future)