JOB DESCRIPTION:

Duke Energy is currently seeking highly motivated students for summer engineering internships within our nuclear generation organization. Internship will begin in late May and last 10-12 weeks through mid-August. Potential candidates must be currently enrolled in the following bachelor’s degree engineering program at an accredited four year college or university and must have complete one year of studies prior to beginning the internship.

- Fire Protection Engineering

The internships will be located at:

- Duke Energy Headquarters (Charlotte, NC)

As an intern, you will be responsible for assisting engineers in providing support to ensure safe, reliable and economic nuclear plant operations in the following area of Fire Protection. This may include but is not limited to assisting with:

- 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 Nuclear System Directives
  - Review transient combustible & 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

Basic Qualifications (REQUIRED)

- Engineering* major with one completed year of studies in one of the following ABET accredited** bachelor’s degree programs.
  - Fire Protection Engineering
- Must not be graduating prior to December 2016
- Cumulative GPA of 2.75 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

Desired qualifications (PREFERRED):

- Cumulative GPA of 3.2 or higher
- Previous internship or co-op experience within the nuclear energy industry
- Previous Duke Energy internships or co-op experience
- Previous experience in the area of Fire Modeling

Apply at: https://de.taleo.net/careersection/jobdetail.ftl?job=128979&lang=en