

2018 Summer Engineering Nuclear Generation Internship- Fire Protection- Charlotte

Job# 139895

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)