

Sunoco Biomass Energy Intern, Summer 2013

The Sunoco Ethanol Plant, located in Fulton NY, is an 85 million gallon per year design corn-based ethanol plant. The plant receives whole kernel corn, mainly from local farmers, and processes it into ethanol transportation fuel. In addition, the plant separates and sells bulk carbon dioxide, corn oil and DDG (dry distillers grain).

Focus of Internship

The intern may be involved in one or more of the following functions at the plant: assisting with plant preventative maintenance activities, plant operations, site environmental monitoring, laboratory projects, or plant engineering support. The objective is to use the intern in such a manner to find mutually beneficial work for the company and the betterment of the intern. Most work related activities will be performed in the plant under the supervision of the plant engineer, maintenance manager or operations shift supervisor. Specific responsibilities may include pump, heat exchanger, valve or other process equipment maintenance or monitoring, performance data gathering and interpretation, and report writing. Some work will be outside - potentially on mezzanines in excess of 20 feet high. Steel toed boots, hard hat and safety glasses (hat and glasses are supplied by Sunoco) are required in the plant at all times. Long sleeve shirt and pants are also required.

Qualifications

The best suited intern would have some engineering education background. Candidates with a chemistry or microbiology education would be also considered. Candidates should be fully capable of walking up several flights of stairs and comfortable working around operating process equipment.

Job Compensation/ Work schedule

The intern will most likely work 8 hours per day, 5 days per week on the day shift (8am-4:30pm). Sunoco will provide work space, hard hat, safety glasses and any safety training required for work at the plant. The intern will likely be employed through an employment agency assigned to our plant. Consequently, the hourly compensation rate and internship duration will be discussed when the candidate is selected. It is anticipated that the total compensation including salary and employment agency commission will not to exceed \$5000.