

Kayla Hannon

Process Engineer

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Kayla-Hannon/2b769eb983d15bba](https://www.indeed.com/r/Kayla-Hannon/2b769eb983d15bba)

Looking to move to Tewksbury, MA after graduating from Drexel University with a BS in Chemical Engineering in June 2016.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Process Engineer Intern and Part Time

Inolex, INC - Philadelphia, PA - September 2014 to Present

Supported the life cycle of diverse project related to site operations and process improvements

- Supported with the User Requirement Specifications, Basis of Design, equipment detail and production scheduling with a new

facility on site

- Researched, developed, and calculated a new recycle process scheme by comparing yields of 86 chemical products that include

esters, polyesters, and polyols to save raw materials valued at \$1.8MM

- Lead research and development of improving filtration process to increase turnaround time and yield.

- Created Process Flow Diagrams that assisted with new pumps, tanks, and piping allocations to avoid cross contamination

- Involved and assisted in Environmental Audit, Health and Safety Audit, Environmental Phase I and II, water compliance and sampling, and tank emissions for air compliances

- Collaborated in the design and proposal for the engineering room renovation in order to optimize space and efficiency

- Designed the P&ID and calculations of a new pilot plant reactor which included sizing of coils, nozzle diameters, pressure

ratings, temperature ratings, flow rates of inlets and outlets, agitator details

- Involved heavily in the procurement of process equipment e.g. drum flakers, in-line powder dispersion pump, and molecular

distiller

- Simulated production schedule with different reactor sizes and different hours of production by the use of SchedulePro for future

endeavors

- Involved with engineering firms for the process design of a \$15.5M investment

- Performed a light survey to upgrade the existing lights in the warehouse to a more energy efficient equipment to be eligible for a

PECO rebate

EHS Intern

Noramco, Inc - Wilmington, DE - September 2013 to March 2014

Supported environmental, health and safety compliance activities

- Involved in Industrial Hygiene monitoring by performing air monitor sampling on plant processes

- Received Job Safety Analysis, Hazardous Waste Management, and Department of Transportation training

- Performed compliance activities for air, hazardous and non-hazardous waste, and water

- Support in Process Hazard Analysis, Job Safety Analyses and Risk-Assessments on batch logs and new projects
- Composited and filtered waste water samples to monitor the amount of solvents.
- Performed weekly RCRA inspections, monthly SPCC inspections, and a bi-annual SPCC inspection
- Assisted in noise monitoring and created a spreadsheet of high level noise areas to comply with OSHA regulations
- Reviewed contractor safety permits and created a report of the errors to improve the safety of the company

Estimator

HSC Builders and Construction Management - Exton, PA - September 2012 to March 2013

Worked in preconstruction services for construction projects valued between \$50K to \$500K

- Estimated cost of health science centers and industrial construction buildings
- Solicited and reviewed drawings and cost with subcontractors
- Read architectural drawings and performed material and labor takeoffs

EDUCATION

Bachelor of Science in Chemical Engineering

Drexel University - Philadelphia, PA

2011 to 2016

ADDITIONAL INFORMATION

SKILLS

Computer: MATLAB, Pro/ENGINEER, Maple, AutoCAD, Microsoft Office (Word, Excel, PowerPoint), On-Screen Takeoff, SchedulePro, Microsoft Visio, Aspen HYSYS, Trackwise, EPA Tanks, POLYMATH