



The Chemical Company

## Performance Materials Co-op

Wyandotte, MI- January to August 2014

### Responsibilities of Position:

1. Assist CAE engineers perform Finite Element and Mold Filling Analysis by building computer models (using shell and solid elements) of plastic components. As the skills improve, this person will perform increasingly more difficult and complex FEA and/or mold filling analyses.
2. Perform some computer aided design (CAD) work using such programs as Unigraphics NX, Solidworks, building geometric 3D models of conceptual designs sketched by design engineers.
3. Perform project assignments, with the help of application development and CAE engineers to design and develop applications utilizing engineering plastic materials.
4. Aid in product teardowns and the development of new applications.
5. Gain experience in the field of engineering plastics product design and development technology.

### Qualifications:

Mechanical, Biomedical or Materials Engineering students. Previous experience in computer aided design desirable, but not required. Minimum GPA of 3.0 is REQUIRED. Applicants must be sophomore level or higher.

### Contact Information:

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