

# Paul C.

## Materials Engineer, Project Manager

July 2017 - Works at: MS&E Resources, Inc. in New Milford, CT

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### General Field of Work

Materials Engineering

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### Undergraduate Education

Alfred University for Ceramic Engineering

Minor: No reply

Undergraduate Non-Academic Interests: Track team, social fraternity

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### Graduate Education

Alfred University for M.S. Ceramic Engineering

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### Professional Societies or Organizations

American Ceramic Society, American Society of Engineering Educators

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### What high school academic interests led to your college & career path?

Ceramic art, physics, chemistry, math

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### Please briefly describe your path to your current job

6 month job with a German research lab after grad school; 3 month research job back at college while I found my first job; 7 years as materials development and project engineer in Maine for high temperature composites company; 8 years as development engineer and program manager at a company in Danbury CT. 12 years consulting business for variety of companies in materials development. 6 years as Director of STEM and design education not for profit.

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**What are a few things that you like best about your job?**

Working with many fields of engineering and science and with people in many different positions

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**What are the most important technical skills needed in your job?**

Ability to write clearly and succinctly, ability to relate fields of chemistry and physics, knowledge of heat and fluid systems,

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**What are the most important non-technical skills needed in your job?**

Ability and comfort speaking to small and large groups of people; ability to work with people at many levels of position within a company; respect for the role of non-technical people in companies like finance, purchasing, contracts, maintenance; ability to create cost proposals for projects involving labor, materials and equipment.

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**What are some of the most challenging aspects of your job?**

Keeping to a time schedule for projects, communicating project status, analyzing data and using it to acquire repeatable control over material fabrication processes.

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**Any advice for students about to begin their college career in September?**

I especially like materials engineering because it is a vital part of nearly every field of science and engineering so the applications cover a very wide range of interesting topics. As a freshman starting college, make a great effort to find social things to do and to get other freshmen in your dorm or classes to do join you in them; whether going to meals, movies, special events, club introductions. Most of the students you see will be wanting to do those things with others but are not able to reach out to others and will be very glad that you broke the ice!

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