

Emily Norvell

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Education

California Polytechnic State University, San Luis Obispo
Bachelor of Science in Materials Engineering, March 2009
GPA: 2.94 Class Level: Sophomore

Relevant Coursework:

- Calculus I, II, III, IV
- Chemistry
- Intro to Materials Engineering (3)
- C and Unix
- Physics
- Engineering Design Communication

Technical Projects:

- Studied the effects of electroless deposition of silver in to the pores of silica aerogel (Summer 2005)
 - Designed and logged different test of the effective of the silver plating
 - Worked an optical microscope to take a picture of a sample
 - Compared specimens with an X-Ray Diffraction (XRD) machine
 - Took pictures with a Scanning Electron Microscope (SEM)
- Designed a vacuum chamber for degassing epoxy (Fall Quarter 2004)
 - Utilized CAD to draft products
 - Drafted the measurements and design for a product to be machined
- Designed a water purification system for a client with lots of sand (Winter Quarter 2005-Spring Quarter 2005)
- Calibrated and analyzed the efficiency of a kidney dialysis pump (July 2003)

Skills

Applications: Word, Excel, Power Point

Leadership and Involvement

- Materials, Engineering Student Society (MESS)
- Society of Women Engineers (SWE) member- **MATE Representative**
- Freshman Orientation (WOW) **Leader** with 10 weeks of training
- Active Newman Catholic Center member- **Eucharistic Minister**

Accomplishments

Academic:

- Salutatorian
- CSF Lifetime Member
- AP Scholar
- NHS Member

Athletic:

- 4 year Cross Country Team League Champions
- 4 year Cross Country Team Valley Champion
- Cross Country Valley Champion 2002

Work History

Summer Researcher at Purdue University for Materials Science (9 weeks summer 2005)
Tutor in 3rd and 4th grade math and reading (10/2003-9/2004)