

Developing a Certificate Program in Nanotechnology

The National Science Foundation has awarded the University of Wisconsin – Madison with a Nanotechnology Undergraduate Education grant to develop a nanotechnology certificate program for engineering undergraduates. The certificate will advance undergraduates' knowledge and understanding in nanoscale science, engineering, and technology and will establish a formal pathway through which students can obtain fundamental understanding of concepts critical to nanotechnology. The interdisciplinary team engaged in this effort will develop two new courses and integrate nanoscale science, engineering, and technology components into several existing courses. By the end of the two-year grant, the team expects the new certificate to be available to all College of Engineering students.

A paid position is available to work with the faculty developing this new undergraduate certificate program in nanotechnology. The graduate student will work with faculty and staff as they lay the groundwork for the certificate, develop two new courses that will comprise the introductory and capstone courses for the certificate program, and define a list of additional courses to be included in the certificate. Applications are welcome from graduate students in the natural and social sciences, humanities, and engineering. A TA appointment of up to 50% is available for Spring 2010 with the possibility of continuing in the Summer and/or 2010-11 academic year includes tuition remission and benefits.

To apply: please email a copy of your CV and a one to two page cover letter describing your prior teaching and/or education-related experience and interests in the nanotechnology and/or curriculum development to both gmzenner@wisc.edu and crone@engr.wisc.edu. Applications will be considered as they are received until the position is filled.

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