



The faculty at the University of Rochester have established strong research programs in advanced materials, biotechnology, and nanotechnology – the intellectual foundations for graduate education leading to Master's degrees. At the technological front, members of the Chemical Engineering faculty conduct research and teach courses highly relevant to alternative energy. Graduate-level courses and active research programs are underway in fuel cells, solar cells, and biofuels.

This program is designed for graduate students with a Bachelor's degree in engineering or science, who are interested in pursuing a technical career in alternative energy. Courses and research projects will focus on the fundamentals and applications of the generation, storage, and utilization of various forms of alternative energy as well as their impact on sustainability and energy conservation

## FACULTY and RESEARCH PROGRAMS

### Fundamentals

**M. ANTHAMATTEN**  
Ph.D., MIT, 2001

**S. H. CHEN**  
Ph.D., Minnesota, 1981

**E. H. CHIMOWITZ**  
Ph.D., Connecticut, 1982

**D. G. FOSTER**  
Ph.D., Rochester, 1999

**T. D. KRAUSS**  
Ph.D., Cornell, 1998

**M.D. POROSOFF**  
Ph.D., Columbia, 2015

**A.A. SHESTOPALOV**  
Ph.D., Duke University, 2009

**A.M. MÜLLER**  
Ph.D., Max-Planck & LMU München, 2000

### Biofuels

**J. H. DAVID WU**  
Ph.D., MIT., 1987

**S. H. CHEN**  
Ph.D., Minnesota, 1981



### Nuclear Energy

**W-U. SCHROEDER**  
Ph.D., Darmstadt, 1971

### Fuel Cells and Batteries

**M. ANTHAMATTEN**  
Ph.D., MIT, 2001

**J. JORNE**  
Ph.D., California (Berkeley), 1972

**W. TENHAEFF**  
Ph.D., MIT, 2009

**M. Z. YATES**  
Ph.D., Texas, 1999

### Solar Cells

**S. H. CHEN**  
Ph.D., Minnesota, 1981

**T. D. KRAUSS**  
Ph.D., Cornell, 1998



CELEBRATE  
**ChemE**  
100 years

### Alternative Energy

University of Rochester  
4510 Wegmans Hall  
Rochester, NY 14627  
(585) 275-4913

Email: [chegradinfo@che.rochester.edu](mailto:chegradinfo@che.rochester.edu)  
<http://www.che.rochester.edu/altenergy.htm>



**HAJIM**  
SCHOOL OF ENGINEERING  
& APPLIED SCIENCES  
UNIVERSITY of ROCHESTER