

Chemical & Materials Engineering Department (ChME) Overview

Hongmei Luo

Mission Statement

- Chemical & Materials Engineering Department prepares BS, MS, and PhD graduates to successfully and safely practice the chemical engineering profession, to continue lifelong personal and professional development, and to contribute to the betterment of their communities and society.
- The department engages in scholarly activity that advances scientific knowledge and technology in the field of chemical engineering, engaging students in that work and providing outreach in its areas of expertise to the community, state, and public in accord with the mission of the college of engineering and the land grant mission of the university.

ChME Faculty (9)

- **Dr. David Rockstraw:** Department Head, Bob Davis Distinguished Professor, Distinguished Achievement Professor
- **Dr. Martha Mitchell,** Associate Department Head, Professor
- **Dr. Paul Andersen:** Associate Professor, Director of Institute for Energy and the Environment
- **Dr. Hongmei Luo:** Associate Professor
- **Dr. Jessica Houston:** Associate Professor
- **Dr. Thomas Manz:** Assistant Professor (Fall 2012)
- **Dr. Catherine Brewer:** Assistant Professor (Fall 2013)
- **Dr. Reza Foudazi:** Assistant Professor (Fall 2013)
- **Dr. Umakanta Jena:** Assistant Professor (Fall 2016)

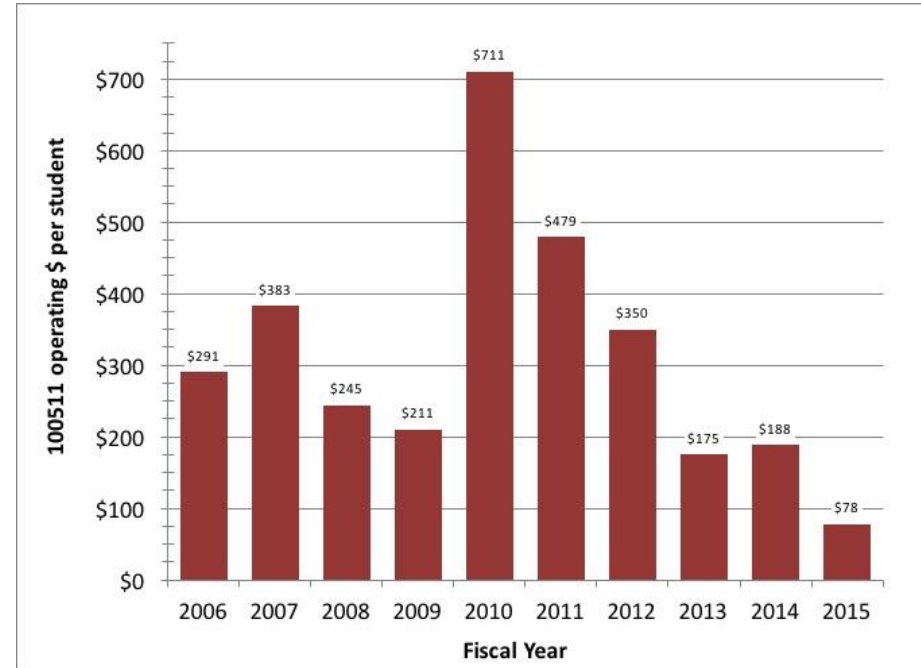
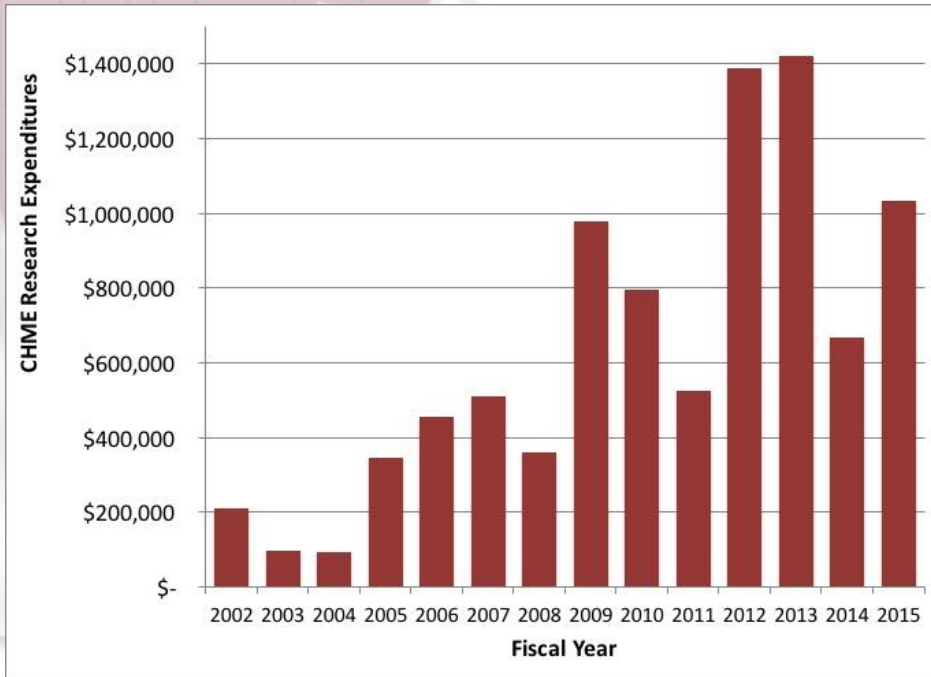
Jett Hall Renovation

The Jett Hall renovation at seven months
from completion

ChME Research Area

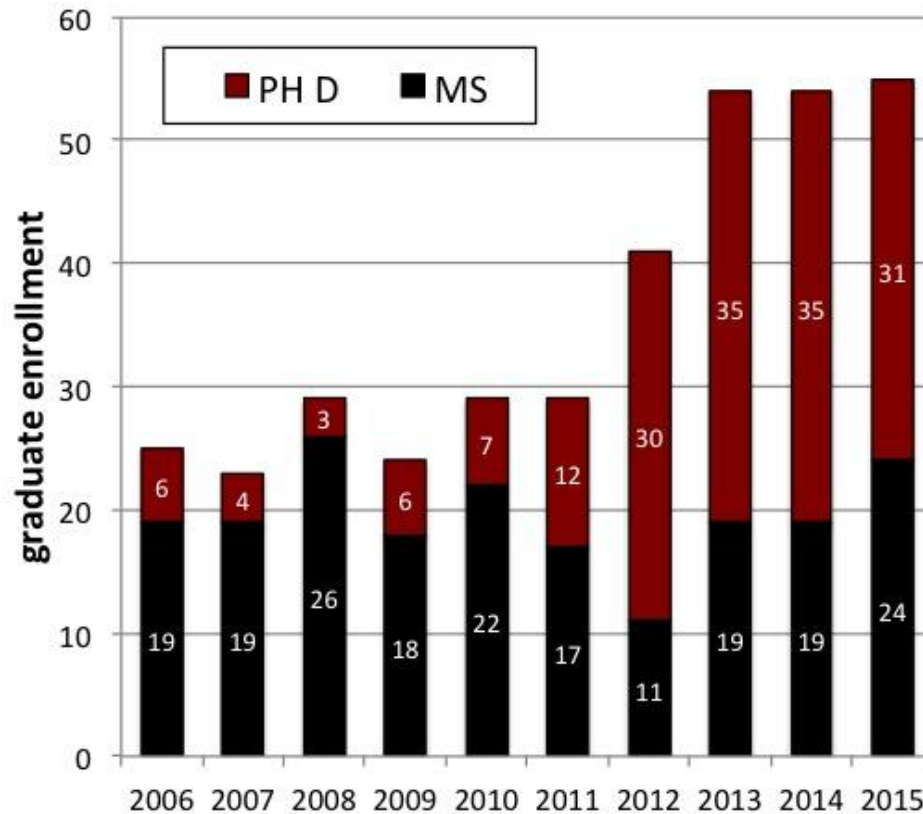
- **Biofuel & Biomass:** Catherine Brewer, David Rockstraw, Umakanta Jena
- **Biomedical:** Jessica Houston
- **Catalyst & Catalysis:** Thomas Manz, David Rockstraw
- **Energy & Water:** Paul Anderson, Hongmei Luo, David Rockstraw, Catherine Brewer, Reza Foudazi, Umakanta Jena
- **Nanomaterials:** Hongmei Luo, Thomas Manz, Reza Foudazi
- **Soft Matter:** Reza Foudazi
- **Thin Films:** Hongmei Luo
- **Computational:** Thomas Manz, Martha Mitchell

Financial and Research Expenditures

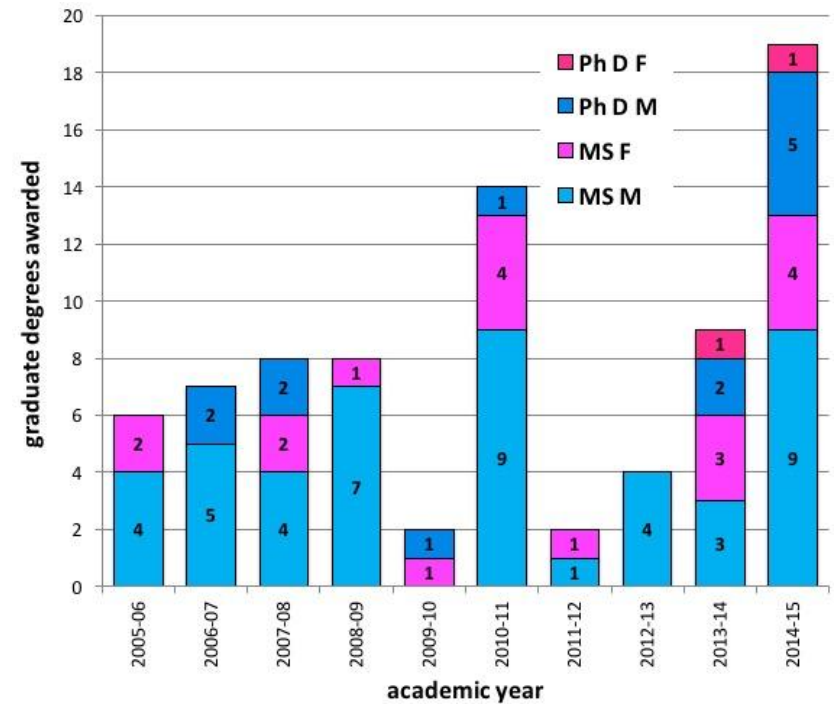
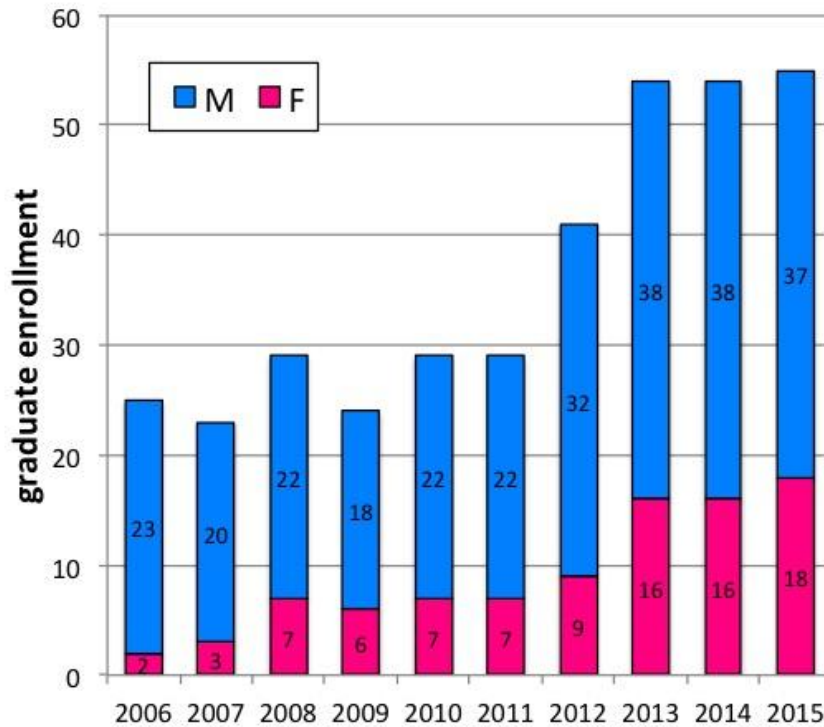


departmental per-student operating expenses

Graduate Enrollment by degree



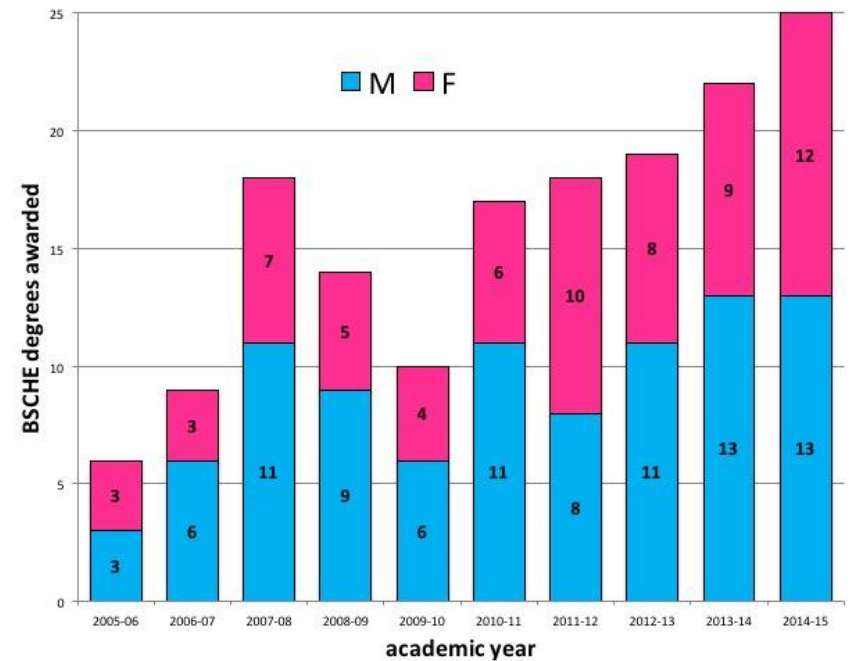
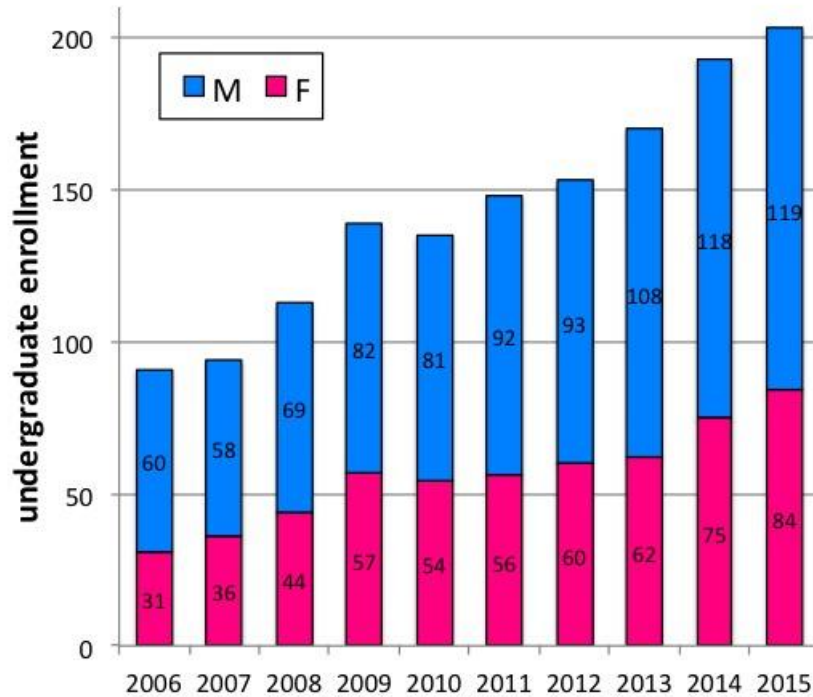
Graduate Enrollment/Graduation by gender



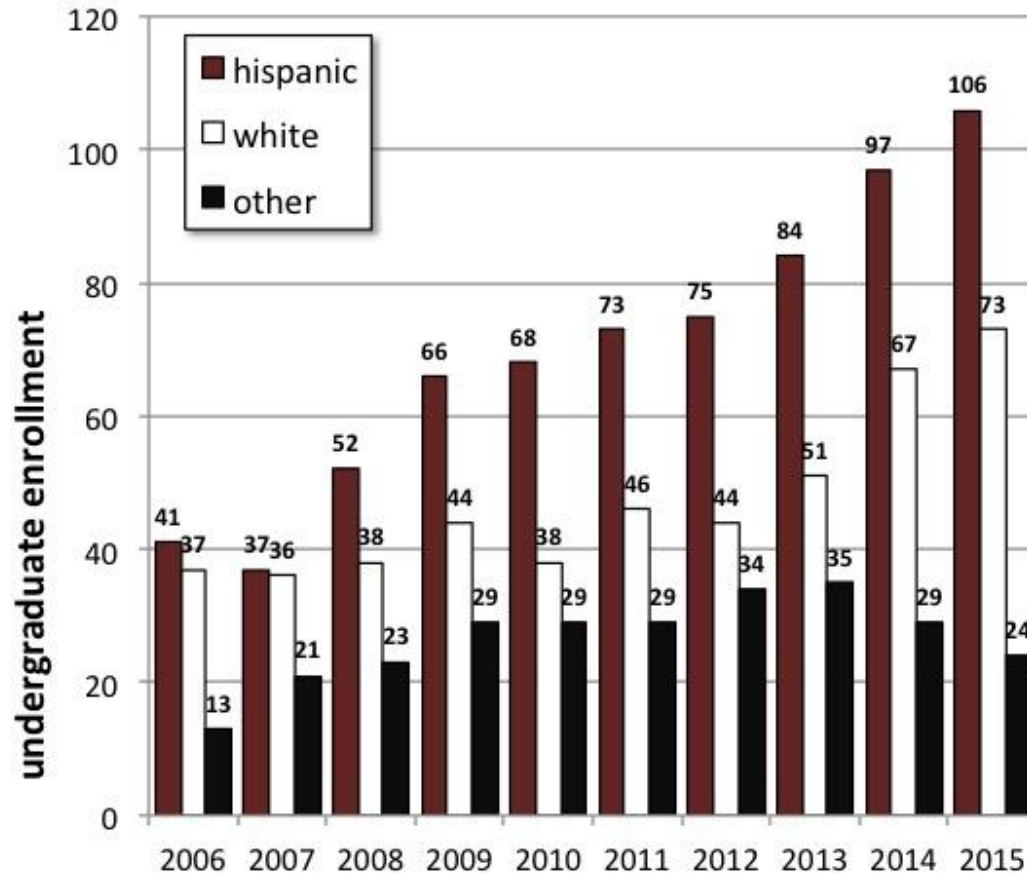
ChME Programs

- Accelerated MSCHE
- Combined BS/MBA Program
- Minor in Environmental Management
- Minor in Nuclear Chemical Engineering
- Minor in Materials Engineering
- Minor in Biomedical Engineering
- Minor in Pre-Law in Intellectual Property

Undergraduate Enrollment/Graduation by gender



Undergraduate Enrollment by ethnicity



AICHE Student Chapter Activities

Kettle Corn Fridays



Keep State Great

AICHE and ECS Student Chapter Activities

Public school science demos



Recent Awards and Recognitions

- **Dr. David Rockstraw:** AIChE fellow;
2016 Bromilow Teaching Award
- **Dr. Thomas Manz:** 2016 NSF CAREER Award
- **Aaron Lindsay:** Outstanding graduate in College of Engineering;
NSF Graduate Student Fellowship
- **Gen Chen:** 2015 ECS Edward G. Weston Summer Fellowship,
the Electrochemical Society;
2015 Chinese Government Award for Outstanding
Self-financed Students, China Scholarship Council

In Closing...

- ChME growing at all levels and changing rapidly.
- Students are confident and are finding jobs across a wide breadth of industries.
- The future looks bright for CHME.

La Familia CHEME es para siempre!