A dedicated faculty with state of the art facilities, offering graduate research programs leading to M.S. and Ph.D. degrees. The Department is housed in state-of-the-art buildings on UA’s new Engineering and Science Quad.

Research Areas:

- Bioprocess, Biofuels & Biopharmaceutics
- Biomaterials & Biological Nanomaterials
- Cancer Mechanisms, Models & Theranostics
- Catalysis and Reactor Design
- CO₂ Separation & Gas Treating
- Drug Screening, Resistance & Delivery
- Electrochemical Systems
- Electrodeposition & Spintronics
- Fuel Cells & Photovoltaics
- Functionalized Membranes
- Interfacial Transport & Surface Phenomena
- Ionic Liquid-based Materials & Systems
- Magnetic Materials & Nanotechnology
- Metabolic Engineering / Synthetic Biology
- Molecular Simulations & Modeling
- Polymeric Material Synthesis & Design

Faculty:

David Arnold (Purdue)
Yuping Bao (Washington)
Jason Bara (Colorado)
Christopher Brazel, interim head (Purdue)
Arun Gupta (Stanford)
Yonghyun John Kim (UMBC)
Tonya Klein (North Carolina State)
Alan Lane (Massachusetts)
Xiaoguang Margaret Liu (Ohio State)
Qing Peng (North Carolina State)
Shreyas Rao (Ohio State)
Stephen Ritchie (Kentucky)
Ryan Summers (Iowa)
C. Heath Turner (North Carolina State)
John Van Zee (Texas A&M)
Hung-Ta Wang (Florida)
Mark Weaver (Florida)
John Wiest (Wisconsin)

Contact Info:

Director of Graduate Studies
Chemical & Biological Engineering
The University of Alabama
Box 870203
Tuscaloosa, AL 35487-0203
(205) 348-6450
hturner@eng.ua.edu
http://che.eng.ua.edu

An equal employment/equal educational opportunity institution