

**Ph.D. in Chemical Engineering
Graduate Program Outcomes**

We want all graduates to be prepared to:

1. Solve advanced engineering problems using discipline appropriate math, science, computation, and analysis skills
2. Critically synthesize and evaluate information
3. Demonstrate advanced knowledge in the area of specialization
4. Plan and conduct scholarly activities that include original contributions to the knowledge base (PhD)
5. Communicate effectively (written and oral)
6. Comprehend the ethical, economic, environmental, and safety factors required for professional engineering practice
7. Engage in life-long learning and professional service