



## Ph.D. in Chemical Engineering Required Courses

15 graded credits / 72 credits total needed to achieve PhD degree

- **CHE 510** (Transport Phenomena) – 3 credits
- **CHE 596** (Research Methods I ) – 2 credits
- **CHE 597** (Research Methods II) - 1 credit
- **CHE 529** (Chemical Kinetics) – 3 credits
- **CHE 527** (Thermodynamics) - 3 credits
- **3 additional** credits in supporting graduate courses (500 level)
- **CHE 598** (Seminar) – 1 credit every semester
- **CHE 800** (Research) – variable credit every semester