# CHEMICAL ENGINEERING

**Graduate Program Head**  Phillip Savage  
**Program Code**  CHE  
**Campus(es)**  University Park (Ph.D., M.S.)  
**Degrees Conferred**  
- Doctor of Philosophy (Ph.D.)  
- Master of Science (M.S.)  
- Dual-Title Ph.D. and M.S. in Chemical Engineering and Operations Research  
**The Graduate Faculty**  View [here](https://secure.gradsch.psu.edu/gpms/?searchType=fac&prog=CHE)  

Course offerings and research facilities are available in:  
- bioprocessing,  
- protein engineering,  
- energy and alternative energy,  
- catalysis and kinetics,  
- fluid mechanics,  
- nanotechnology,  
- polymer science and engineering,  
- process control,  
- molecular simulation,  
- systems biology,  
- optimization.