CHEMICAL ENGINEERING, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

Career Paths

Our chemical engineering graduates work in various industries such as pharmaceuticals, food, cosmetics, specialty chemicals, and oil and gas. They also serve as consultants for various engineering applications including challenges in the environment. Chemical Engineers can go to graduate school to obtain a Ph.D. Some chemical engineers also chose to go to medical school or law school.

Careers

A chemical engineer might work on a team to improve a process for making a pharmaceutical drug to increase the supply and decrease the cost.

A chemical engineer might design a new material that will make our clothing more comfortable and functional.

A chemical engineer might develop a solution to pressing environmental problems like an oil spill or global climate change.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE CHEMICAL ENGINEERING PROGRAM (https://www.che.psu.edu/academics/undergraduate/what-is-chemical-engineering.aspx)

Opportunities for Graduate Studies

Our students go on to graduate school and conduct research in topics including materials, energy, water treatment, biotechnology, and catalysis. Application of this research include: energy production and storage, large scale production of pharmaceuticals and vaccines, treatment of water and air, large scale production of affordable consumer products, and reduction of CO_2.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (https://www.che.psu.edu/academics/graduate/phd.aspx)

Professional Resources

- American Institute of Chemical Engineering (https://www.aiche.org)