

CHEMICAL ENGINEERING



cbu.edu/she



Engineering
Accreditation
Commission



Catalyzing Innovation

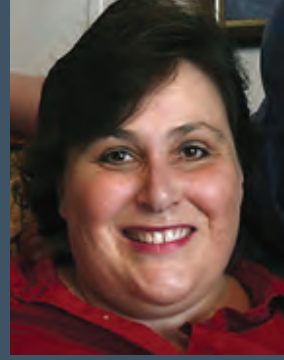
WHAT IS CHEMICAL ENGINEERING?

All around you are products made using chemical reactions. Gasoline and fuels, semiconductors and computer chips, fibers (nylon, polyester, Kevlar), consumer products (cosmetics, soaps, food), fertilizer, paper, and pharmaceuticals are just a few. As a chemical engineer, you will analyze and design the manufacturing processes in all these industries and often manage the plants and companies as well. Biochemical engineering supplements the traditional ChE skills with additional study of biology, microbiology, and biochemistry. This enables the extension of chemical engineering principles to applications in biotechnology. As a biochemical engineer, you will develop and design the processes used to grow living cells to produce antibiotics, insulin and other drugs.

A chemical engineer's specialized knowledge of reactions and separations apply to more than just manufacturing. Because our environment and bodies rely on chemical processes, you'll acquire a unique understanding of how they work as well.



Even though the challenge was not easy, the small classes and the availability of the instructors after class allowed me to obtain that one-on-one attention to assist me in understanding the concepts...the concepts that I now use on a daily basis for problem solving and decision making. I attribute the majority of my success to what I learned and the experiences I had while at CBU.



Ann M. Anderson (BSCHE '06)
Chemical Engineering

IN THE WORKFORCE

Nationwide, chemical engineering graduates earn among the highest average starting salaries for a four-year degree. CBU chemical engineering graduates have excelled in their careers, contributing to the program's excellent regional reputation. Recent CBU chemical engineering graduates have pursued careers with companies across the nation, including DuPont, ExxonMobil, L'Oréal Maybelline, GlaxoSmithKline, Pennakem, Valero Refining, and Wright Medical Technology.



The classes are small, encouraging people to work together and get to know each other better. This allows experience in a group work environment (which is important for engineers). Also, very few students graduate from the chemical engineering program without getting an internship. This allows students to get engineering experience outside of the classroom and gain a better understanding of engineering before they enter the workforce.

William Zachary ('13)
Chemical Engineering

Why CBU?

- Affordable Tuition
- Internship/Co-Op Opportunities
- International Competitions
- 100% Employment Rate in 6 months (mechanical engineering major as of 2024)
- CBU offers exceptional return on investment: Ranked **#3** in the “Best Value Schools” according to *US News & World Report*
- **#13** out of 136 in Regional Universities South
- **#13** in “Best Undergraduate Teaching”
- **#12** in “Top Performers on Social Mobility”
- 91% of our full-time students receive financial assistance

LOCATED IN THE HEART OF MIDTOWN MEMPHIS

- Less than 2 miles from Overton Park, a 342-acre public park in Midtown Memphis
- Walking distance to the Cooper-Young and Overton Square Arts & Entertainment Districts

Bottom line — CBU graduates succeed.

More than 90 percent of our recent class was employed or attending graduate school within six months of graduation. In fact, more than 80 percent already had jobs or placement in graduate schools when they crossed the stage at graduation.



CHRISTIAN BROTHERS UNIVERSITY

650 East Parkway South • Memphis, Tennessee 38104

cbu.edu/che

For more information, contact

Dr. Randel M. Price | (901) 321-3412 • rprice@cbu.edu