Centre College’s dual degree or “3-2” engineering program leverages Centre’s top-notch liberal arts education with equally good engineering training from a partner institution. This combination of skills differentiates our dual degree graduates from other engineers because they also have the critical thinking and communication skills a liberal arts education is uniquely positioned to offer.

THE PROGRAM
Centre offers a cooperative dual degree engineering program with two major universities. Students spend three (or four) years at Centre College and then transfer to a partner institution where they spend two years in their engineering program. The student earns both a liberal arts degree from Centre College and an engineering degree from the partner school. Three years of liberal arts and preparatory study at Centre followed by two years of discipline-specific study at an accredited engineering school is an excellent way to prepare for a career in engineering.

ADVANTAGES OF CENTRE’S ENGINEERING PROGRAM
Students participating in Centre’s dual degree program benefit from technical training enhanced by a liberal arts education.

- Guaranteed admission into high-quality engineering programs if requirements are met.
- Ability to pursue one of six science majors before deciding on an engineering discipline.
- Undergraduate degrees from two institutions.
- Nearly 100% of Centre students complete the engineering undergraduate degree after transferring.
- The breadth of knowledge, communication skills, and leadership skills developed at Centre provide the perfect complement to an engineering degree, and make dual degree graduates especially attractive to industry, government, graduate programs, and professional schools.

PROGRAM PARTNERS
Centre College has an informal agreement with the University of Kentucky (UK), which regularly accepts transfers from Centre. Students have the opportunity to visit their campus prior to transferring, where they tour UK facilities and meet with engineering department advisors to plan their engineering career at UK.

Centre also has a long-standing dual degree agreement with Washington University in St. Louis. A Centre College student is guaranteed admission to Washington University’s prestigious engineering school provided that three criteria are met. The student must:

- Complete the required preparatory coursework in physics, math, computer science, biology, and chemistry.*
- Meet the minimum GPA requirement of 3.25 overall GPA and 3.25 GPA in the required courses
- Receive favorable recommendations from Centre professors.

*Depending on the engineering degree pursued at the partner school
PROGRAM DETAILS
While at Centre, students have the option of working toward a major in physics, chemistry, mathematics, computer science, environmental studies or biology. At the same time, students are expected to complete the common requirements of all Centre graduates, including course-work in the humanities, social sciences, and fundamental questions. While most students opt to complete the typical “3-2” program, it is also possible to complete a “4-2” (four years at Centre followed by two years at a partner school). Some students use this option in order to completely finish a major, complete a double major, or utilize four years of sports eligibility.

WHAT COURSES SHOULD I TAKE?
The Pre-engineering Pathway courses are the following:
• Two semesters of calculus-based physics with labs
  » PHY 210 – General Physics I
  » PHY 230 – General Physics III
• Three semesters of calculus and differential equations
  » MAT 171 – Calculus I
  » MAT 172 – Calculus II
  » MAT 230 – Calculus III
  » MAT 360 – Differential Equations
• One semester of chemistry with laboratory
  » CHEM 131 – General Chemistry or
  » CHEM 135 – Accelerated General Chemistry
• Other degree-specific courses required by the partner school

FACULTY
JEFF FIEBERG (Ph.D., University of Texas), Walkup Professor of Chemistry.
KRISTEN FULFER (Ph.D., Louisiana State University), Assistant Professor of Chemistry.
PHIL LOCKETT (Ph.D., University of Kentucky), Professor of Physics.
JASON NEISER (Ph.D., University of Rochester), Associate Professor of Physics.
BRUCE RODENBORN (Ph.D., University of Texas-Austin), Assistant Professor of Physics.

FURTHER INFORMATION
CONTACT
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RELATED WEBSITES
https://www.centre.edu/majors-minors/engineering/

VISIT CENTRE
The best way to judge Centre is to tour the campus, talk to the professors and students, attend a class, and spend the night in a residence hall. We invite you to visit and encourage you to contact the Admission Office if you have any questions.

THE CENTRE COMMITMENT
We back our promise with a deeply engaging and intensely personal education guarantee. If you meet regular academic and social expectations, you will complete all three parts of the Centre Commitment, or the college will provide up to an additional year of study tuition-free.

Centre students will:
• Study abroad
• Have an internship or research opportunity
• Graduate in four years