DUAL DEGREE ENGINEERING PROGRAM

1876

HENDRIX COLLEGE

Be You. Be Brilliant.

Dual is Cool

The Dual Degree Engineering Program is a cooperative agreement with Hendrix and institutions with accredited engineering programs. Students complete a B.A. in their major at Hendrix and a B.S. in engineering at the engineering school.

THE BEST OF BOTH WORLDS

By taking core courses (e.g. calculus, physics, and chemistry) at Hendrix, students get the benefit of small class sizes, personalized attention and support from faculty who are dedicated to teaching and mentoring undergraduate students, and opportunities for hands-on learning through the Hendrix Odyssey Program.

Admission to the engineering schools is highly competitive, but a small number of spaces are reserved for students from dual degree programs. Hendrix students in the Dual Degree Engineering Program have a much stronger chance of admission with the quality of the education they get at Hendrix.

Currently two to three students from Hendrix enroll at the Dual Degree Engineering Program partner schools each year.

HOW DO YOU DUAL?

Hendrix students can complete the Dual Degree Engineering Program in five years (also known as the 3-2 Program) the following way:

- Complete most or all of the graduation requirements for a B.A. at Hendrix in three years
- Apply to the engineering school for the dual degree program during your junior year
- If accepted, attend the engineering school for two years, completing the junior- and senior-level engineering classes and any courses needed to finish a B.A. at Hendrix
- Receive a B.A. from Hendrix and a B.S. in engineering from the engineering school in five years

Small class sizes give students personalized attention from Hendrix faculty before entering large, competitive engineering schools.

www.hendrix.edu

The major you choose and courses you take at Hendrix depend on the type of engineering you want to pursue.

We'll be honest. It's not always easy to complete the Hendrix degree in three years. Students often discover new interests in other disciplines and choose to pursue a minor or a double major. Some want to spend a semester abroad or continue playing a sport they love.

Don't worry!

Students who lack a few credits for their Hendrix degree may be able to take those courses at the engineering school, transfer them back to Hendrix and complete the dual degree program in five years.

If students need (or want) to stay a fourth year at Hendrix, that's fine. Our engineering school partners accept dual degree program applications from Hendrix seniors, who can then complete the Dual Degree Program in six years.

BE SYSTEMATIC

Each school has a list of different engineering degrees offered. Visit their websites to see the most current lists of engineering programs.

The major you choose and courses you take at Hendrix depend on the type of engineering you want to pursue. Investigate the course requirements for the type of engineering you want to study on our partner school's website, then find the major at Hendrix that includes the largest number of those courses.

Visit www.hendrix.edu/catalog/ to see the majors' course list in the Hendrix Catalog.

OUR DUAL DEGREE ENGINEERING PROGRAM PARTNERS INCLUDE:

Columbia University in New York City, NY
studentaffairs.columbia.edu/admissions/engineering/combined

Vanderbilt University in Nashville, TN
engineering.vanderbilt.edu/Home.aspx

Washington University in St. Louis in St. Louis, MO
engineering.wustl.edu/DualDegreeProgram.aspx

BE INQUISITIVE

Talk with your academic advisor about your interest in the Dual Degree Engineering Program during your orientation advising session. Visit each engineering school's combined engineering program website and reach out to the schools' contact person with specific questions about their programs.

If you still have questions, contact Hendrix physics professor Dr. Ann Wright, who directs the Dual Degree Engineering Program at Hendrix, at wright@hendrix.edu.

KNOW YOUR OPTIONS

A bachelor's degree in engineering is not required to apply to an engineering graduate program. Hendrix graduates have had very good success getting graduate engineering degrees, and alumni have reported that they felt very prepared for their graduate engineering courses. The one advantage of completing a B.S. in engineering before graduate school is that a B.S. in an ABET accredited school is needed if you want to take the Professional Engineer (PE) exam.

Hendrix students work closely with award-winning faculty in the classroom, the lab, and in undergraduate research projects. These opportunities prepare students for success in graduate school, and careers in industry, research, and teaching.

IF YOU'RE INTERESTED IN...	CONSIDER A MAJOR IN...
Civil, Mechanical, or Electrical Engineering	Physics
Chemical or Biochemical Engineering	Chemistry, Chemical Physics, or Biochemistry-Molecular Biology
Computer Engineering	Computer Science

These are just suggestions and are not meant to replace your own investigation or advisor's recommendations.

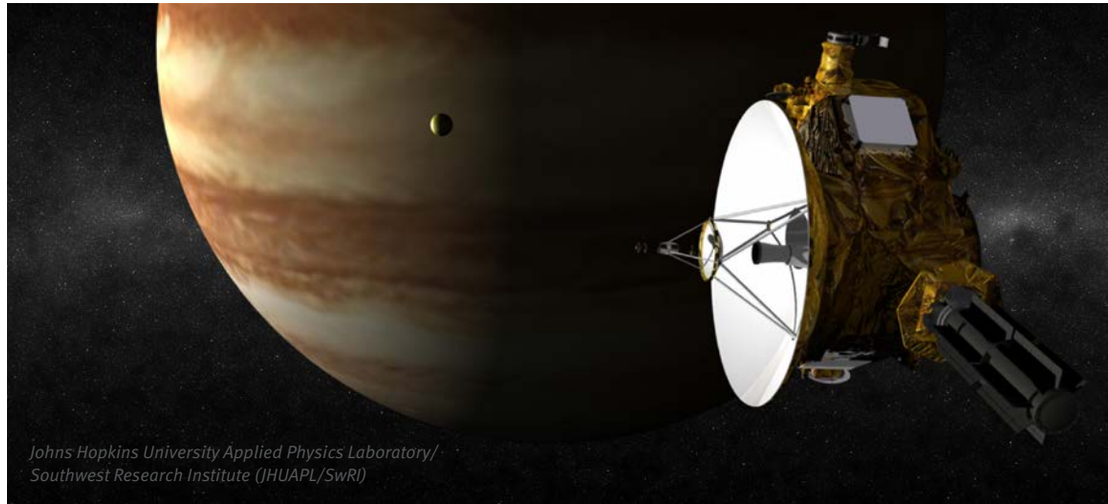
CHELSEY KRUG
DUAL DEGREE ENGINEERING PROGRAM PARTICIPANT

Participating in the dual degree program through Hendrix, Chelsey received her BA in Physics and went on to complete her BS in Mechanical Engineering in 2002 from Washington University in St. Louis. Accepted into the Aerospace Engineering program at the University of Colorado in Boulder, she completed a Master's in Aerospace Engineering in 2004.

Krug was selected as one of a handful of graduate students by the Laboratory for Atmospheric and Space Physics (LASP) to create, from the ground up, a particle counting and collecting device that had the promise of going on NASA's "New Horizons" expedition to Pluto. The piano-sized probe was successfully launched on January 19, 2006. It was the first mission to visit Pluto and its moon Charon and the first time a student project was part of a planetary mission.

The New Horizons spacecraft crossed the entire span of the solar system and conducted fly-by studies of Pluto and Charon in 2015. The seven science instruments on the probe shed light on the bodies' surface properties, geology, interior makeup and atmospheres.

Chelsey is now a full-time professional research assistant at LASP in Boulder, Colorado. Their mission is to make discoveries through the research and technology efforts of our atmospheric, space physics, solar, planetary, engineering, and mission ops divisions.



Johns Hopkins University Applied Physics Laboratory/ Southwest Research Institute (JHUAPL/SwRI)

VITAL STATISTICS

- 11:1 student-to-faculty ratio. 18 students in an average-size class (most upper-level classes have far fewer)
- 100% of professors in the sciences and mathematics hold a Ph.D.
- 89% medical school acceptance rate (more than double the national average)
- Ranked in the top 50 U.S. schools for the percentage of its graduates who earn Ph.D.s in the sciences and engineering and among the top 40 institutions for those earning Ph.D.s in all fields

HENDRIX HIGHLIGHTS

- Named one of the nation's top 10 "Most Innovative" liberal arts colleges in the 2016 *U.S. News & World Report* college guide
- One of only 40 schools profiled in the most recent edition of *The Colleges That Change Lives*
- Consistently featured in the highly selective *Fiske Guide to Colleges*
- Ranked among the top 30 national liberal arts colleges in the country for "Strong Commitment to Undergraduate Teaching" by *U.S. News & World Report*

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