

Dual Degree Engineering Program Frequently Asked Questions (FAQ)  
Rev. 6/2024

**Questions:**

1. What is the Dual Degree program?
2. What engineering schools are available?
3. What are the benefits of doing Dual Degree engineering?
4. What types of engineering are available?

**2. What engineering schools are available?**

Two engineering schools currently have cooperative agreements with Hendrix College.  
They are:

#### **4. What types of engineering are available?**

There are many traditional types of engineering, including: mechanical, electrical, chemical, and computer. In addition, there are a variety of other types of engineering offered at the schools such as civil, systems, environmental, biomedical, and industrial engineering. Each school offers different types of engineering degrees. For the most complete and correct lists, please visit the links given in the answer to question #2 to see which engineering programs are offered by each partner school.

#### **5. What classes do I need to take at Hendrix?**

Each engineering school has a list of classes that must be completed at Hendrix before admission to the Dual Degree engineering program. The list of classes is usually dependent on the type of engineering. Please see the links to each school for the most current list of classes.

For both schools, students will need the following Hendrix courses: Calculus I and II, Differential Equations, Multivariable Ca

### **8. How do I apply to the engineering school?**

During the final year at Hendrix, students will apply to one or more of the engineering schools for admission into their Dual Degree program. Each school has its admissions forms and applications available on its website. Students should schedule regular advising meetings with the Hendrix engineering liaison during each year at Hendrix to receive help in this process.

### **9. What financial aid is available?**

Financial aid packages provided by Hendrix College provide assistance while the student is studying at Hendrix and do not continue while the student is at the engineering school. Outside scholarships may apply to the engineering school tuition, depending on the details of the scholarship. Each engineering school offers its own financial aid program. It is the student's responsibility to apply for these programs at each school. Details for each

Columbia University  
<https://seas.financialaid.columbia.edu/>

Washington University in St Louis  
<https://engineering.wustl.edu/academics/dual-degrees/financial-aid.html>

### **What should I do in high school to be prepared to enter into the Hendrix Dual Degree program?**

The most important preparation for a high school student who wishes to apply for the engineering program is a solid foundation in mathematics. The student must be ready to complete Calculus I during their first semester at Hendrix. The student must complete most of the engineering courses during their first three years. It is also desirable if the student has received one or more AP credits toward course credit.

especially athletes, wish to stay at Hendrix for four years so that they can enjoy all that Hendrix has to offer before moving on to the engineering school. All of these examples illustrate the fact that the Dual Degree program is complex and requires careful planning.

The good news is that there are several options available to these students. Students who lack only a few course credits or courses for their major may take those courses at the engineering school and transfer them back to Hendrix to complete the Hendrix degree.

Both Columbia University and Washington University in St. Louis offers the option of starting the engineering program after four years at Hendrix. There are significant financial aid consequences to this option, so please seek advice from the Hendrix pre-engineering liaison before planning for it. The final option is to finish the Hendrix degree in four years, then apply to any engineering college as an undergraduate transfer student or as a graduate student.

Students who decide against engineering during their time at Hendrix may simply pursue a traditional degree in any major at Hendrix with no consequences.

### **12. How many Hendrix students enter the Dual Degree program?**

Hendrix typically sends 3-5 students per year to our Dual Degree engineering partner schools.

### **13. Can I do engineering without doing the Dual Degree program?**

Yes! You do not need to have a bachelor's degree in engineering to apply to an engineering graduate program. Hendrix physics and chemical physics majors have had very good success in admission and successful completion of graduate engineering degrees. Alumni have reported that they felt very prepared for their engineering courses in graduate school. The biggest advantage of completing a B.S. in engineering before graduate school is that a B.S. in an ABET-accredited school is needed if the student wants to take the Professional Engineer (PE) exam. This credential is most important for engineers who plan to work on government contracts or who plan to open their own engineering firm.

### **14. How do I get more information?**

Hendrix freshmen should talk with their academic advisor during their orientation advising session about their desire to pursue the Dual Degree program and also request a meeting with the Hendrix engineering liaison, Dr. Ann Wright. Questions from