

## Engineering Transcription

Speaker: Kathy, Heartland Graduate, VLSI Verification Engineer at Seagate

"I knew engineering was right for me because in high school, I took a course which introduced us to various areas of technology, and I found that I liked electronics and design, and that led me to computer and electrical engineering."

Image on screen: Computer screen with classroom data

Speaker: Rich Foley, Industrial Technology Professor

"Students will learn a lot of graphic representation. They learn 3-D modeling skills. They'll learn a lot about perspective drawings, also materials that are used in the industry, and they'll be able to take their ideas that they have and generate those, either on a sheet of paper, or on a computer screen and graphically represent their thoughts and ideas and that type of thing."

Action: Students at computers in classroom taking notes and at workstation applying their knowledge

Speaker: Brad Thomas, Mathematics Professor

"As the students enter the workforce, no matter where they find themselves, there's going to be a research and development position, or in a plant environment, they're going to be challenged."

Action: Students discussing work in classroom

Speaker Rich Foley

"A lot of students that will succeed in the program are able to apply their math skills and their 3-D visualization techniques, and also physics is involved in engineering."

Action: Students working with engineering model designs on computer screens

Speaker: Kathy

“In one of my courses, I was able to build an underwater ROV and in this project, I used pressure and temperature sensors, and when I got it completed, I actually got to try it out, and the feeling of when it actually worked, in the water, was just amazing.”

Images: Students working with simulated models on computers

Speaker: Rich Foley

“There’s a lot of math involved with a course in engineering. There’s also – students have to be able to interact with other people well. It’s not only just representing your own ideas, but it’s being able to get those ideas across to other people in the industry.”

Action: Students working together around a computer in class

Image on screen: Heartland logo