Ellie C. Engineer  
EID: ece123  

**Academic Enrichment Courses:**

- M 348 Scientific Computations in Number Analogy
- EE 316 Digital Logic Design
- TXA 126 Apparel II
- TXA 226L Apparel Lab II
- TXA 164K, 264K Advanced Problems in Apparel
- TXA 316L Apparel I

My fields of interest are Computer Science and Textiles and Apparel Design. I would like to focus on technology in clothing, smart materials, and/or the manufacturing of fast fashion/3D printed clothing. I have selected 15 hours consisting of only one lower division course and an advanced math course to satisfy the requirements for Academic Enrichment and to support my goals.

After graduation, I plan on working in industry, I would be pleased with a job in a smart clothing startup, or developing smart wear for an established company. I plan on applying to internships within the design field for the summer after my junior year. My experience in programming and circuits will give me a good safety net if I cannot find work within the design/computer-aided construction field. After a few years, I am contemplating returning for an MBA if my career could benefit from going back for additional business training.

I have chosen these particular courses because they give me knowledge and insight on how clothing is constructed, how fabrics form to the human body, the consumer needs and expectations for manufacturing, and industry technique. It would be difficult to design clothing without knowledge of how it must be constructed, or how it forms to the human body. The world is moving rapidly into an era of smart technology, however clothing is still as utilitarian as it was a hundred years ago. I am passionate about moving closer to a world where people can own a closet full of custom-tailored clothing, which interacts with the world around it, without the accompanying price tag.