Academic Enrichment Courses:

- M 372K (Partial Differential Equations and Applications)
- PSY 355M (Cognitive Psychology of Music)
- RTF 307 (Media and Society)
- ME 379M (Musical Acoustics)
- MUS 329M (Intermediate Computer Music)

My field of interest is in music/audio technology. I am working to cater my EE coursework to mixed-signal processing for audio applications and acoustics. To this end, I am in the Communications, Signal Processing, Networks and Systems technical core. I also successfully joined the Bridging Disciplines Program in Digital Arts & Media, which enables me to get even more music- and audio-related experience.

After graduation, I plan to try to enroll in a Master’s degree program so that I may be eligible for work in a design engineering position; programs such as UT ECE’s track in Electromagnetics and Acoustics look interesting. If I do not attend graduate school, my goal is still to work for a company that engineers music/audio technology in some form, or take a position doing audio engineering (or other music industry job, if an appealing option arises). My interdisciplinary engineering education would serve me very well in any of these scenarios; I intend to be informed about audio technology from a variety of perspectives.

These courses allow me to dig deeper into the aspects of math and science that relate to the physics of sound (M 372K, ME 379M) and the perception of it (PSY 355M). These will be foundational if I continue my study of acoustics in graduate school. The BDP creative project will allow me to integrate a lot of my interdisciplinary learning: my current plan for the project is to build as many of the components of a musical performance as possible (such as speakers, amplifiers, instruments, etc.) and then do a performance myself using that technology. RTF 307 provided a lot of insightful perspective on the effects various media have on society and considerations to make in being a media creator, which is certainly relevant to music industry professionals. It also satisfied a course requirement for my BDP.

My Academic Enrichment core will also support my main technical core because the courses provide additional perspective on audio signals. I have been approved to also take Engineering Acoustics (EE 363N) and Intro to Computer Music (MUS 329J) as primary tech core electives, and M 372K and PSY 355M tie into these directly. MUS 329M is a continuation of MUS 329J and gives me more experience working with audio processing programming languages. The BDP creative project will undoubtedly allow me to practice skills gained from my primary tech core as well.