

Fall 2026 Courses in Speech and Audio Processing

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Here's info about courses related to audio engineering, audio technologies, and speech processing being offered in the fall 2026 semester. In the BSECE degree, courses below can be applied to [Free Electives](#). They can also be applied to the other [eight technical cores](#) unless they've been marked with **. To substitute any of the upper division courses given below into a technical core, you would only need to obtain the approval of one of the 90 ECE faculty members – see the first page of the [Technical Core Packet](#) for more info. *Departmental acronyms:* AET Arts & Entertainment Technologies; LIN Linguistics; and SLH Speech, Language and Hearing.

[AET 321J](#) Introduction to Game Audio

[AET 322K](#) Introduction to Audio Coding

[AET 330T](#) Sound Design Skills

[AET 339](#) DIY Synthesizers

[C S 342S](#) Intro to Speech and Audio Processing

[E 310D](#) Intro to Digital Studies

[EE 438](#) Fundamental of Electronic Circuits Lab - hardware lab and pre-req for EE 438K which designs audio amplifiers

[ECE 445L](#) Embedded Systems Design Lab

[ECE 445S](#) Real-Time Digital Signal Processing Lab

[ECE 363N](#) Engineering Acoustics

[LIN 315](#) Speech Science

[LIN 344K](#) Phonetics: Production/Perception of Speech Sounds

[MUS 319D](#) Foundations in Music Technology **

[RTF 366S](#) Production Sound Techniques

[RTF 366S-2](#) Sound Design and Mixing

[SLH 313L](#) Hearing Science **

[SLH 113P](#) Hearing Science: Lab **

[SLH 315S](#) Speech Science **

[TD 354T](#) Sound Design Skills

** The courses may not qualify as electives for technical cores other than Academic Enrichment / Free Electives.

If you substitute any non-engineering courses as technical core electives, then you'll want to make sure that you have [enough engineering topic hours to satisfy ABET requirements](#). Please check with the undergraduate advising office. ABET is a national organization that accredits BS degrees in engineering and technology.