Track 1: Audio/Speech Processing Track

Semester I (Fall)

- **EE 464** Probability Theory for Engineers (3, FaSpSm) Prerequisite: EE 301 and MATH 445
- **EE 483** Introduction to Digital Signal Processing (3, FaSp) Prerequisite: EE 301 (can be taken again as refresher)
  Or
- **EE 441** Applied Linear Algebra for Engineering (3, FaSpSm)
  - EE519 Speech Recognition and Processing for Multimedia (3, Fa) Prerequisites: 483

Semester II (Spring)

- **EE 559** Mathematical Pattern Recognition (3, Sp) Prerequisite: EE 464; Corequisite: EE 441
- **EE 522** Immersive Audio Signal Processing (3, Sp) Prerequisite: EE 301; Recommended: EE 483

Semester III (Fall)

- **EE 559** Mathematical Pattern Recognition (3, Sp) Prerequisite: EE 441; Corequisite: EE 441
- **EE 522** Immersive Audio Signal Processing (3, Sp) Prerequisite: EE 301; Recommended: EE 483

Three from Recommended Courses II

Recommended Courses II

- **EE 562a** Random Processes in Engineering (3, FaSpSm) Prerequisite: EE 441, EE 464
- **EE 574/CSCI 574** Computer Vision (3, Fa) Prerequisite: CSCI 455x
- **EE 596 Wavelets** (3, Fa) Prerequisite: EE 441, EE 483;
  Optional
- **CSCI 562** Empirical Methods in Natural Language Processing (3, 2 years, Fa)
  Prerequisite: CSCI 561.
- **EEE569** Introduction to Digital Image Processing (3, FaSp)