Track 4: Embedded Multimedia Systems

**Semester I (Fall)**
- EE 464 Probability Theory for Engineers (3, FaSpSm)
  - or
- EE 483 Introduction to Digital Signal Processing (3, FaSp)
  - or
- EE 455x Introduction to Programming Systems Design (4, Fa)

- EE 457 Computer Systems Organization (3, FaSpSm)

- EE 569 Introduction to Digital Image Processing (3, FaSm)

**Semester II (Spring)**
- EE 586L Advanced DSP Design Lab (4, Sp)
  - Prerequisite: EE 583 or EE 569.

- Two from Recommended Courses I

**Semester III (Fall)**
- CSCI 402 Operating Systems (3, FaSpSm)
  - Prerequisites: 1 from (CSCI-201 or CSCI-455) and 1 from (EE-357 or EE-352)

- EE557 Computer Systems Architecture (3, FaSp)
  - Prerequisite: EE 457.

- One from Recommended Courses II

**Recommended Courses I**
- EE554 Real Time Computer Systems (3, Sp)
  - Prerequisites: EE457

- EE 522 Immersive Audio Signal Processing (3, Sp)
  - Prerequisite: 1 from (EE-301B or EE-483)

- EE 669 Multimedia Data Compression (3, Sp)
  - Recommended preparation: EE 464.

- CSCI576 Multimedia Systems Design (3, FaSp)

**Recommended Courses II**
- EE519 Speech Recognition and Processing for Multimedia (3, Fa)
  - Prerequisites: 483

- EE 574/CSCI 574 Computer Vision (3, Fa)
  - Prerequisite: CSCI 455x

- EE596 Wavelets (3, Fa)
  - Recommended preparation: EE 569, MATH 570a
  - Prerequisites: EE483, EE441

- EE560 Digital System Design -- Tools and Techniques (3, Su)
  - Prerequisites: EE454 and EE457