**Track 6: Statistical and Adaptive Signal Processing**

**Semester I (Fall)**

- **EE 441** Applied Linear Algebra for Engineering (3, FaSpSm) Prerequisite: MATH 445
- **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
  - Or
- **EE 569** Introduction to Digital Image Processing (3, Fa) Recommended preparation: EE 401, EE 464
  - Or
  - Other approved alternative

**Semester II (Spring)**

- **EE 562a** Random Processes in Engineering (3, FaSpSm) Prerequisite: EE 441, EE 464
- Two from Recommended Courses

**Recommended Courses**

- **EE 500** Neural and Fuzzy Systems (3) Recommended preparation: EE 464
- **EE 517** Statistics for Engineers (3, Sp) Recommended preparation: EE 464 or other probability course.
- **EE 559** Mathematical Pattern Recognition (3, Sp) Prerequisite: EE 464; Corequisite: EE 441
- **EE 583** Adaptive Signal Processing (3, Sp) Prerequisite: EE 483, EE 562a

**Semester III (Fall)**

- **EE 563** Estimation Theory (3, Fa) Prerequisite: EE 562a
- **EE519** Speech Recognition and Processing for Multimedia (3, Fa) Prerequisites: 483
  - Or
- **EE 599** Special Topics in Signal Processing or Communication (2-4, max 9)
- **EE 569** Introduction to Digital Image Processing (3, Fa) Recommended preparation: EE 401, EE 464
  - Or
  - Other approved alternative