

MS/PHD Course Recommendations

Quarter	First Year	Second Year
Autumn	ME 547 Linear Systems ME 564 Engineering Analysis I ME 510 Math Foundations ME 591Rob. & Cont. Sys. Colloquium ME 520 ME Seminar	ME 588 Dynamics and Vibrations ME 550 Nonlinear Optimal Control (O) ME 591Rob. & Cont. Sys. Colloquium
Winter	ME 548 Multivariable Control ME 565 Engineering Analysis II ME 581 Digital Control ME 591Rob. & Cont. Sys. Colloquium	ME 578 Optimization ME 594 Robust Control (O) MATH 327 Real Analysis ME 591Rob. & Cont. Sys. Colloquium
Spring	ME 549 Estimation/Identification ME 582 Discrete Events (E) ME 593 Feedforward Control (E) ME 591Rob. & Cont. Sys. Colloquium	ME 583 Nonlinear Control (O) MATH 328 Real Analysis ME 591Rob. & Cont. Sys. Colloquium

Note:

(O) Indicates that the course is offered in Odd Years only

(E) indicates that the course is offered in Even Years only

WARNING: Taking more than 3 regular courses a quarter is not recommended.

In addition to regular courses, take the seminar courses ME 591 and ME 520;

ME 520 should be taken (only) in autumn of first year; take ME591 every quarter

Other Courses to Consider:

ME 471 Automatic Controls (instead on ME510 in first quarter, if prior Control Background is not Strong and take ME510 in second year)

ME 589 Vibrations (E)

M E 590 Vibrations (E)

ME 556 Experimental Stress Analysis

EE 505 Probability and Rand. Process

AA 540 Finite Element Analysis

Math Sequence 574, 575, 576

Math Sequence 524, 525, 526

Applied Math 584 Applied Linear Algebra

ME 477 Embedded Computing

Physics 334 and 335

ME 498 Nano Devices

EE 518 Digital Signal Processing