

Academic Area Courses (Last revised: 1/2018)

1. Electrical Engineering (EE) Majors

Bioengineering

CprE 567, CprE 570, EE 538, BME/EE 450X, EE 530M, PHYS 532, PHYS 461, BIOL 444

Communications and Signal Processing

EE 520, EE 521, EE 522X, EE 524, EE 525X, EE 527, EE 528, EE 545, EE 547, EE 573, EE 621, EE 622

Electric Power and Energy Systems

CprE 539, EE 552, EE 553, EE 554, EE 555, EE 559, EE 653

Electromagnetics, Microwave, and Nondestructive Evaluation

EE 510, EE 511, EE 512, EE 513, EE 514, EE 516, EE 517, EE 518, EE 519, EE 538, EE 539/537X, EE 588

Microelectronics and Photonics

EE 532, EE 535, EE 536, EE 538

Systems and Controls

EE 565, EE 566, EE 571, EE 574, EE 575, EE 576, EE 577, EE 578

(Note: only EE 575, EE 577, EE 578 can be used for PhD Qualifying Exams.)

VLSI (EE or CprE majors)

CprE/EE 435, CprE/EE 465, CprE/EE 501, CprE/EE 504, CprE/EE 505, CprE/EE 506, CprE/EE 507, CprE/EE 508, CprE/EE 509X, EE 514, CprE 564, CprE 566

2. Computer Engineering (CprE) Majors

Computing and Networking Systems

CprE 525, CprE 526, CprE 541, CprE 542, CprE 543, CprE 545, CprE 546, CprE 547, CprE 550, CprE 558, CprE 581, CprE 582, CprE 583, CprE 584, CprE 588, CprE 681

(Note: in the CNS area, if a course listed above is also on the course lists of other academic areas, it can be used as an outside area course on the POS.)

Secure and Reliable Computing

CprE 530, CprE 531, CprE 532, CprE 535, CprE 536, CprE 537, CprE 539, CprE 631, CprE 632

Software Systems

CprE 525, CprE 526, CprE 528, CprE 546, CprE 550, CprE 554, CprE 556, CprE 557, CprE 558, CprE 582, CprE 626