Communications Area MS Comprehensive Examination
(Subject Exam)

**Recommended SDSU Courses:**

**Topics:**
EE558: Formatting and baseband modulation, baseband demodulation/detection, communication link analysis

EE641: Antenna parameters and noise, radio wave propagation, path-loss in terrestrial wireless channels and link budgets, channel characterization and classification, multiple access and cellular systems

EE650: Bandpass modulation and demodulation/detection, multiplexing and multiple-access

EE652: Calculation of entropy, differential entropy and mutual information for sources, Huffman coding, calculation of channel capacity

EE653: Linear block codes, cyclic codes

EE655: QAM, Equalization, phase locked loops, orthogonal frequency division multiplexing