Recommended References
Qualifying Examination for ECE Doctoral Candidates

Controls
EEC 440, Control Systems
EEC 510, Linear Systems

Communications
EEC 512, Probability and Stochastic Processes
EEC 651, Digital Communications
- S. Haykin, Digital Communications, John Wiley & Sons, 1988

Computer
EEC 584, Computer Networks
Power
EEC 470, Power Electronics I
EEC 473/571, Power Systems

Software
EEC 421/521, Software Engineering
• I. Somerville, Software Engineering, 9th edition, Addison-Wesley, 2010
CIS 430, Database Concepts

Nanobiotechnology
EEC 514, Nanotechnology
• M. Di Ventra, S. Evoy, and J. Hefflin (Eds.), Introduction to Nanoscale Science and Technology, Springer, 2004
EEC 515, Biosensors, Bioelectronics and BioMEMS
• J. Cooper and T. Cass, Biosensors, Oxford University Press, 2004