

Appendix A

List of Major Courses for DCE Master Program

Group A: A student may select any two of the following seven subjects:

- (1) Random Processes
- (2) Digital Communication
- (3) Queuing Theory
- (4) Computer Networks (I)
- (5) Digital Signal Processing
- (6) Algorithms
- (7) Detection and Estimation

Group B: A student may select any two of the following eleven subjects:

- (1) Physics Mathematics
- (2) Advanced Electromagnetics
- (3) Microwave Engineering (I)
- (4) Microwave Engineering (II)
- (5) Antenna Theory
- (6) Wave Propagation and Scattering
- (7) Semiconductor Memory
- (8) Quantum Mechanics
- (9) Semiconductor Device Physics
- (10) Numerical Semiconductor Device Modeling
- (11) Computer - Aided Circuit Design and Analysis