

The SOs of the MS in ECE are:

1. A comprehensive knowledge of computer architecture and system design.
2. A comprehensive knowledge of advanced topics in mathematics and stochastic processes.
3. A comprehensive knowledge of linear systems and digital communications.
4. A comprehensive knowledge of advances in areas such as parallel computing, networks, and VLSI designs.
5. Proficiency in specific areas of specialization such as computer security, quantum computing, nanotechnology, signal processing and information theory.

Course	SO 1	SO 2	SO 3	SO 4	SO 5
EENG 633 Parallel Computing Systems	x			x	
EENG 635 Probability & Stochastic Proc,		x			
EENG 641 Comp Arch. I	x				
CSCI 665 Linear Systems			x		x
CSCI 670 Electromagnetic Thy					x
EENG 675 Info. Theory		x			x
EENG 720 Modern Ctrl. Theory					x
EENG 725 Queuing Theory		x			x
EENG 726 Markov Processes		x			
EENG 730 Nanotechnology		x			x
EENG 741 Cptr. Arch. II	x			x	
EENG 751 Signal Processing I		x			x

EENG 755 Computer Networks	x			x	x
EENG 760 Antenna Theory					x
EENG 770 Digital Comm.			x		
EENG 810 Array Sign. Proc.		x			x
EENG 830 RF Electronics		x			x
EENG 851 Signal Processing II					x
EENG 860 Special Topics		x			