The POs for the MS in Electrical & Computer Engineering 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

	NYIT LEARNING GOALS *By the time of graduation, NYIT students will be able, at the appropriate level (baccalaureate, masters or professional) to:*	**ACADEMIC PROGRAM LEARNING GOALS** **Masters Level BS Electrical & Computer Engineering**
Career Oriented Professional Education	Gain a coherent understanding of the knowledge, skills, and values of their discipline	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

Applications Oriented Research	Integrate academic and co-curricular learning to explore concepts and questions that bridge disciplines, professions, and cultures	1. A comprehensive knowledge of computer architecture and system design. 2. A comprehensive knowledge of advanced topics in mathematics and stochastic processes.
Access to Opportunity	Develop self-efficacy, professionalism, creativity, and an innovative spirit	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
Other		