

**MS Computer Science:**

**The POs for the MS Computer Science program are:**

1. A comprehensive background in theory and design of assemblers, compilers, and operating systems.
2. A comprehensive knowledge of computer architecture.
3. A comprehensive knowledge of mathematical and algorithmic concepts and analysis.
4. Proficiency in specific areas of specialization such as computer security, software engineering, computer graphics, and artificial intelligence.
5. A comprehensive knowledge of analysis, design, and development of a computerized system.

<p><b>NYIT MISSION</b></p>	<p><b>NYIT LEARNING GOALS</b></p> <p><i>By the time of graduation, NYIT students will be able, at the appropriate level (baccalaureate, masters or professional) to:</i></p>	<p><b>ACADEMIC PROGRAM LEARNING GOALS</b></p> <p><b>Masters Level MS Computer Science</b></p>
<p>Career Oriented Professional Education</p>	<p>Gain a coherent understanding of the knowledge, skills, and values of their discipline</p>	<ol style="list-style-type: none"> <li>1. A comprehensive background in theory and design of assemblers, compilers, and operating systems.</li> <li>2. A comprehensive knowledge of computer architecture.</li> <li>3. A comprehensive knowledge of mathematical and algorithmic concepts and analysis.</li> <li>4. Proficiency in specific areas of specialization such as computer security, software engineering, computer graphics, and artificial intelligence.</li> <li>5. A comprehensive knowledge of analysis, design, and development of a computerized system.</li> </ol>

Applications Oriented Research	Integrate academic and co-curricular learning to explore concepts and questions that bridge disciplines, professions, and cultures	3. A comprehensive knowledge of mathematical and algorithmic concepts and analysis.
Access to Opportunity	Develop self-efficacy, professionalism, creativity, and an innovative spirit	4. Proficiency in specific areas of specialization such as computer security, software engineering, computer graphics, and artificial intelligence.  5. A comprehensive knowledge of analysis, design, and development of a computerized system.
Other		