About the Major

This program focuses on the foundations of software engineering, including areas such as requirements, design, development, testing, verification, human-computer interaction, and project management. The master’s degree is designed to give students a thorough knowledge of the field and to provide an enduring foundation for future professional growth. The program blends theory and practice into a learning experience that develops skills applicable to complex real-world problems.

Program Format

This program’s format offers full-time students the opportunity to earn the degree in 12 months and working professionals the opportunity to earn the degree in 16–24 months. This program is available online and/or on-campus. On-campus classes are held on the main campus in Fort Lauderdale. Each class meets once a week from 6:00 p.m. to 8:00 p.m. for 16 weeks in the fall and winter terms and 14 weeks in the summer term.

Career Opportunities

- Software Engineer
- Software Architect/Developer
- Software Project Manager/Team Leader
- Software Quality Assurance Manager
- Software Requirements Engineer
**Prerequisite Courses**
Applicants who do not have an adequate background may be required to take one or more of the following 500-level graduate courses during the first two terms of the student’s program.

- MSIT 500  Foundations of Systems
- CISC 500  Java Programming Language
- CISC 502  Mathematics in Computing
- CISC 503  Data Structures and Algorithms

Core courses and electives are listed below. Students must take all six core courses and six electives. If the thesis option is elected, students take 4 electives plus 6 thesis credits. Students who wish to take an additional elective must request approval from the program office prior to registration.

**Software Engineering Core** (three credits each)
- CISC 680  Software Engineering (taken in the first term)
- CISC 682  Software Requirements Engineering
- CISC 683  Object-Oriented Design
- CISC 684  Software Testing and Verification
- CISC 685  Interaction Design
- MMIS 621  Information Systems Project Management

**Electives** (three credits each)
Students may select from any 600-level course at the school with prefix CISC, ISEC, MSIT, or MMIS (except MMIS 630, 653, 656, 660, 680 or MSIT 660.)

---

**Notice of Nondiscrimination and Accreditation**
Nova Southeastern University admits students of any race, color, sex, age, nondisqualifying disability, religion or creed, sexual orientation, or national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school, and does not discriminate in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school administered programs. Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate’s, bachelor’s, master’s, educational specialist, and doctoral degrees.

---

**For further information**
- Visit the Office of Admissions online at www.scis.nova.edu or email scisinfo@nova.edu.
- Call the Office of Admissions at 954-262-2001 or 800-986-2247, ext. 22001
- Visit our campus at 3301 College Avenue, Fort Lauderdale, FL 33314
- Apply Online at www.scis.nova.edu/applyonline