

Information Assurance

DOCTOR OF PHILOSOPHY



Program Features

- 64 credit hours
- Unique format offers flexibility to working professionals.
- The information assurance degree is recognized by the U.S. National Security Agency and the Department of Homeland Security.
- Students receive quality instruction from CEC faculty members—all of whom hold Ph.D. degrees and are experts in their respective fields of research/application.

Program Formats

- Unique format includes a blend of on-campus and online activities.
- On-campus sessions are held quarterly over an extended weekend at the Fort Lauderdale/Davie Campus.
- Between on-campus sessions, students work on course assignments and research, as well as participate in online activities.

Career Opportunities

- college/university faculty member
- chief information security officer
- information security consultant
- research and development
- vice president of information security

Learn More
cec.nova.edu

Ph.D. in Information Assurance

The Information Assurance doctoral (DIA) program is a comprehensive, multidisciplinary, research program that prepares graduates for key positions in academia; in federal, state, and local government agencies; and in business and industry. The curriculum combines both technically intensive and management-focused security courses to provide a comprehensive approach to the study of assurance/information security/cybersecurity.

The uniquely structured cluster program combines traditional and online instruction to give professionals the opportunity to pursue graduate study while continuing to work in their current positions. Each student must complete three core courses, two security elective courses, three general elective doctoral courses, and a doctoral research dissertation. The Ph.D. in information assurance degree program is recognized by the U.S. National Security Agency (NSA) and the Department of Homeland Security (DHS).

Admissions Requirements

- ✓ completed online application for admission (apply.nova.edu)
- ✓ nonrefundable, \$50 application fee
- ✓ conferred master's degree with an appropriate major from a regionally accredited institution
- ✓ sealed official transcripts from all prior institutions
- ✓ overall graduate GPA of 3.25 or greater on a 4.0 scale
- ✓ résumé/curriculum vitae (CV) providing a short account of the applicant's academic background and professional experience.
- ✓ two essays (personal/research)
- ✓ three letters of recommendation

The college may require additional documentation or a phone interview to support the application. An applicant may submit standardized test scores or any additional documentation to strengthen his or her application.

International students should visit cec.nova.edu/admissions for additional requirements.



Information Assurance

DOCTOR OF PHILOSOPHY

Curriculum

Total Credits: 64

DEGREE PROGRAM COURSES

This program consists of both required and elective core courses, totaling 32 credits. Each student must complete three core courses, two security elective courses (either from the “managerial” or the “technical” concentrations), three general elective doctoral courses, and a doctoral research dissertation.

Core Courses (4 credits each)

ISEC	700	Network Security and Cryptography
ISEC	730	Research Seminar in Information Assurance
ISEC	755	Security Management

Security Elective Courses.

Select one concentration.

Managerial Concentration

ISEC	765	Managing Risk in Secure Systems
DISS	775	Privacy

Technical Concentration

ISEC	740	Secure Systems Analysis and Design
ISEC	750	Information Protection

General Elective Courses (4 credits each)

Select three elective courses.

RES	705	Quantitative Research Methods
RES	710	Qualitative Research Methods
OR		
RES	720	Multivariate Research Methodology
DISS	720	Human-Computer Interaction
CISD	730	Operating Systems

DISS	735	Knowledge Management
DISS	750	Database Systems
OR		
CISD	750	Database Management Systems
CISD	760	Artificial Intelligence
CISD	770	Software Engineering

Remaining managerial or technical concentration courses can be taken as general electives.

*CISD courses require Masters degree in Computer Science or permission from the professor

RESEARCH REGISTRATIONS (4 credits each)

Each student will be required to complete two or more sections of ISEC 885 Doctoral Research.

These courses will be taken at the end of the student’s coursework. These directed study courses will enable the student, with the support of a faculty adviser, to identify a viable research topic and conduct preliminary research that will lead to formal candidacy for the student.

ISEC	885	Doctoral Research
ISEC	898	Directed Research in Information Assurance

DISSERTATION REGISTRATIONS

Students must complete 24 credits of dissertation registrations, (three registrations of ISEC 901). Students who do not complete the dissertation within 24 credits will register for ISEC 920 Continuing Dissertation until the dissertation is complete.

ISEC	901	Doctoral Dissertation (8 credits each)
ISEC	920	Continuing Dissertation (4 credits each)

This publication should not be viewed as a substitution for official program requirements and outcomes. A student is responsible for meeting the curriculum and program requirements in the *Graduate Student Catalog* that are in effect when the student enters the program.

Nova Southeastern University admits students of any race, color, sexual orientation, and national or ethnic origin. ■ Nova Southeastern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate’s, baccalaureate, master’s, educational specialist, doctorate, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Nova Southeastern University. 08-029-17_06MCS

Admissions

3301 College Avenue
Fort Lauderdale, Florida 33314-7796
cec.nova.edu/admissions
(954) 262-2005 • 800-986-2247, ext. 22005
cecinfo@nova.edu

