

## Graduate Certificate: Information Systems Security Officer

The Information Systems Security Officer Graduate Certificate program provides the opportunity for individuals to expand their knowledge of information security as well as provide documentation that they have successfully completed a program of study that meets and/or exceeds the national training and education standards for duties and responsibilities of Information Systems Security Officers (CNSSI 4014) set forth and certified by the National Security Agency. This certificate may also be of value to students considering employment by the federal government in the security field.

### Admission Requirements:

- Applicants must show evidence that they are proficient in the core areas of computer science. Should an applicant not be able to provide such evidence, the admissions committee may require the applicant to take CPSC 6105, and make a grade of B or higher.
- Applicants must show evidence that they are proficient in computer programming. Should an applicant not be able to provide such evidence, the admissions committee may require the applicant to take CPSC 6106, and make a grade of B or higher.
- Applicants must show evidence that they are proficient in computer networking. Should an applicant not be able to provide such evidence, the admissions committee may require the applicant to take a graduate offering of CPSC 5157 – Computer Networks, and make a grade of B or higher.

Proficiency in each of the above areas may be shown by submitting university transcripts documenting the applicant's previous achievements in the area, such as classes that the applicant has passed with a grade of B or higher. These achievements also include having earned a BS or an MS degree in computer science from an accredited college or university within the previous five years.

Proficiency in programming (item 2), or computer networking (item 3), may be argued for by an applicant by showing evidence of extensive industry experience in developing software, or in network administration.

The admissions committee will evaluate applications for admission to this certificate program, and make decisions on whether a given applicant may be admitted to the program, and on whether a waiver for CPSC 6105, CPSC 6106, or CPSC 5157G should be granted.

### Course Requirements:

CPSC 6126 (Information Systems Assurance)

CPSC 6136 (Advanced System Security)

CPSC 6157 (Network Management)

CPSC 6159 (Computer Forensics)

CPSC 6167 (Network Risk Assessment)

Note: To qualify for this certificate, the student must obtain a grade of "B" or higher in each of the courses that are required for the certificate.