

To complete the online program in 16 months, students typically take three courses per semester, each lasting 16 weeks. Our online program requires a total of 36 credits of coursework.

The curriculum is organized as follows:

## SEMESTER ONE

### **PSSL 6244: Information Systems Protection (3 credits)**

The various types of cyber crime and the vulnerability of government computer systems and information networks. Mitigation strategies for the protection of information and computer systems.

### **PSSL 6245: Cyber Security Law and Policy (3 credits)**

Current and emerging legal concerns regarding cyber regulation. Applicability of existing law and policy to cyber investigation practices.

### **PSSL 6246: Cyber Intelligence and Strategic Analysis (3 credits)**

Application of the intelligence cycle to cyber threats. Threat assessment and development of watches. Recommendations in accordance with existing law and policy.

## SEMESTER TWO

### **PSSL 6247: Cyber Defense Strategies (3 credits)**

Deterrence strategy and control theory in the context of cyber defense. Formulation of effective defense scenarios and strategies to counter cyber attacks.

### **PSSL 6248: Introduction to Cyber Conflict (3 credits)**

Innovative warfare concepts and doctrine relating to cybersecurity. Strategies to deceive, confine and neutralize cyber offenders.

### **PSSL 6260: Methods of Analysis in Security (3 credits)**

Methods and problems of data collection in security fields, with emphasis on analytical design, instrument utilization, sampling and measurement.

## SEMESTER THREE

### **PSSL 6255: Information Management for Justice and Public Safety Professionals (3 credits)**

Application of information management techniques to justice and public safety fields. Emerging modes of communication within and outside organizations. Emerging technologies, standards and government program objectives affecting IT implementation.

### **PSSL 6256: Applied Technology to Data Analytics (3 credits)**

Introduction to cutting edge software including predictive and spatial analytics. Application of analytics and visualization in solving justice and public safety problems.

### **PSSL 6257: Enterprise Architecture and Standards (3 credits)**

Overview of technology environments including software, hardware, networks, applications, data, communications and other relevant architecture disciplines with a focus on service-oriented architecture and similar innovations applicable to the subject fields.

## SEMESTER FOUR

### **PSSL 6258: Information Sharing and Safeguarding (3 credits)**

This course addresses principles of privacy and safeguarding data in governmental databases related to justice, public safety and homeland security. Basic principles of privacy and issues related to the protection of civil rights in government owned or operated databases.

### **PSSL 6259: Strategic IT Investment and Performance Management (3 credits)**

This course addresses several components related to the effective use of information technology within the public safety organizations. Integration of IT in business processes, performance measurement, cost benefits analysis and program evaluation.

### **PSSL 6270: Capstone Project (3 credits)**

Development of a research project integrating theoretical and analytic perspectives applied to improving organizational effectiveness in public safety agencies.

*\*Course list subject to change*