

ISP - Information Security and Privacy

Information Security and Privacy: ISP

Lower-Division Courses

Upper-Division Courses

Graduate Courses

ISP 380. Introduction to Information Security and Privacy.

Restricted to information security and privacy majors. Explore foundational concepts of information security and privacy, including information value, classifications, threats, liabilities and risk management, identity and access controls (IAM), trust frameworks, technology for network, web, software and cloud security; and privacy laws and regulations. The equivalent of three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 381. Information and Privacy in Society.

Restricted to information security and privacy majors. Examine how information is socially and culturally variable and fluid, changing throughout history and differing from place to place. Explore the anthropological study of information; societal norms; and individual, device, communal, and organizational information strategies. The equivalent of three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 382D. Data Governance for Information Security and Privacy.

Restricted to information security and privacy majors. Examine theory and practical applications of data and artificial intelligence governance related to information security, privacy, compliance, and ethics. Explore optimization of technical and human dimensions for information risk management. Explore pervasive and emerging risks, risk assessments of data architectures and analytics, and regulations, controls, and governance to protect and safeguard information assets. Three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 382P. Public Policy and Law Governing Information Security and Privacy.

Restricted to information security and privacy majors. Examine established and emerging laws and public policy related to information security and privacy. Examine different classes of protected information and case studies documenting compliance and violation of legal and public policy protections. Explore legal requirements, corporate responsibilities and social responsibilities as they pertain to data protection and the prevention of different types of fraud and information crimes. Three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 383. Business Governance and Controls for Information Security and Privacy.

Restricted to information security and privacy majors. Explore an organizational perspective on the management and governance of information. Examine business practices and governance mechanisms for minimizing risks and maximizing returns of information. The equivalent of three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 384. Strategic Communication for Information Security and Privacy.

Restricted to information security and privacy majors. Explore framing messages and the impact on people, organizations, risks and privacy; effective crisis management communications; communication and business continuity planning; time management; sense making processes in organizational crisis; and reputation management. The equivalent of three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 385. Information Risk and Benefit Analysis.

Restricted to information security and privacy majors. Explore and evaluate the risks and benefits related to information in multiple sectors including financial services, healthcare, consumer services, government, education, and energy. The equivalent of three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 385T. Topics in Information Security and Privacy.

Restricted to information security and privacy majors. Study the characteristics of information and the technologies, stakeholders, and questions involved in managing, protecting, and securing information. The equivalent of three lecture hours a week for one semester. May be repeated for credit when the topics vary. Prerequisite: Graduate standing.

ISP 386. Information Security.

Restricted to information security and privacy majors. Explore the enrollment and authentication for cyber and physical access and transactions, cryptography, biometrics, device identity security, and security culture. The equivalent of three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 387. Information Management and Repositories.

Restricted to information security and privacy majors. Explore knowledge and data management, storage, and mining. Examine information representation and algorithms. Discuss information security and privacy applications in all market sectors for enrollment, authentication, operational use, fraud detection, and fraud prevention. The equivalent of three lecture hours a week for one semester. Prerequisite: Graduate standing.

ISP 388L. Professional Experience and Project.

Restricted to information security and privacy majors. Study practical problems, current phenomenon, or professional issues in an institutional setting. The equivalent of three lecture hours a week for one semester. Conference course. Offered on the credit/no credit basis only. Prerequisite: Graduate standing and twelve semester hours of information security and privacy coursework.

ISP 189, 289, 389. Individual Studies.

Restricted to information security and privacy majors. In-depth study of a problem or subject related to information security and privacy. For each semester hour of credit earned, the equivalent of one lecture hour a week for one semester. Individual Instruction. May be repeated for credit. Prerequisite: Graduate standing, consent of instructor, and consent of the graduate advisor.

ISP 398R. Master's Report.

Restricted to information security and privacy majors. Preparation of a report to fulfill the requirement for the master's degree under the report option. The equivalent of three lecture hours a week for one semester. Offered on the credit/no credit basis only. Prerequisite: Graduate standing and consent of graduate adviser.

Professional Courses