



# Data Protection and Privacy

Technical and legal approaches to safeguarding sensitive information

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## Course Overview

Explore the technical and legal aspects of data protection, focusing on implementing privacy-by-design principles and compliance with global regulations. This 6-week course provides practical knowledge on how to implement effective data protection measures, navigate complex compliance requirements, and build privacy-conscious systems.

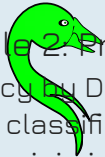
### Next Cohort

- Start Date: November 5th, 2026
- Format: Available in instructor-led online, self-paced, and in-person formats
- Prerequisites: Basic understanding of information technology concepts, familiarity with data management

## Course Curriculum

### Module 1: Privacy Fundamentals and Legal Frameworks (Week 1)

- Evolution of privacy concepts and concerns
- Key global privacy regulations (GDPR, CCPA/CPRA, HIPAA, etc.)
- Privacy principles and frameworks
- Rights of data subjects
- Organizational responsibilities and accountability
- Jurisdictional considerations



## Module 2: Privacy by Design and Data Governance (Week 2)

- Privacy by Design principles and implementation
- Data classification and mapping
- Data minimization and purpose limitation
- Retention policies and data lifecycle management
- Privacy governance structures
- Implementing accountability measures

## Module 3: Technical Privacy Controls (Week 3)

- Pseudonymization and anonymization techniques
- Encryption fundamentals and implementation
- Access controls and authentication
- Database privacy controls
- Privacy in APIs and microservices
- Privacy-enhancing technologies (PETs)

## Module 4: Privacy Impact Assessment and Risk Management (Week 4)

- Privacy risk assessment methodologies
- Conducting Data Protection Impact Assessments (DPIAs)
- Legitimate interest assessments
- Vendor privacy assessment
- Risk mitigation strategies
- Documentation and evidence collection

## Module 5: Data Breach Prevention and Response (Week 5)

- Common causes of data breaches
- Technical safeguards against breaches
- Building a data breach response plan
- Notification requirements and timelines
- Post-breach remediation
- Lessons learned and continuous improvement

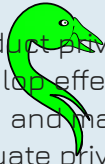
## Module 6: Privacy Program Implementation and Case Studies (Week 6)

- Building a privacy program
- Privacy awareness and training
- Privacy in emerging technologies (AI, IoT, Blockchain)
- International data transfers
- Real-world case studies and lessons
- Future trends in privacy protection
- Capstone project: Designing a privacy program

## Learning Outcomes

By the end of this course, you will be able to:

- Interpret and apply key privacy regulations in practical contexts
- Implement Privacy by Design principles in systems and processes
- Apply technical privacy controls to protect sensitive data



- Conduct privacy impact assessments and manage privacy risks
- Develop effective data breach prevention and response strategies
- Build and maintain a comprehensive privacy program
- Evaluate privacy implications of new technologies and systems

## Instructors

Our instructors are experienced privacy professionals with backgrounds in both technical implementation and legal compliance, bringing a well-rounded perspective to this multidisciplinary field.

## Assessment and Certification

- Weekly practical assignments and case studies
- Privacy impact assessment project
- Technical implementation exercises
- Data breach simulation exercise
- Final capstone project: Privacy program design
- Industry-recognized course completion certificate

## Resources

- Comprehensive course materials and reference guides
- Privacy assessment templates and tools
- Technical implementation guides
- Regulatory guidance documents
- Community forum for discussion and networking
- Office hours with instructors for personalized support

## Download

## Contact

Interested in enrolling or have questions about this course?

- Email: [office@chen.ist](mailto:office@chen.ist)
- Phone: Schedule a call to discuss your goals
- Web: Book a free consultation