Training Course on Fundamentals of Data Privacy and Security

Professional Development Training Course Outline

Category	Data Security	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today's hyper-connected digital age, data privacy and cybersecurity have become indispensable pillars of trust, governance, and compliance. With the exponential rise in cyber threats, data breaches, and regulatory frameworks such as GDPR, HIPAA, and CCPA, the need to understand the fundamentals of data protection is more critical than ever. Training Course on Fundamentals of Data Privacy and Security offers professionals, businesses, and decision-makers an opportunity to master core data privacy principles, compliance requirements, risk management techniques, and cybersecurity best practices that ensure data integrity, security, and lawful processing.

This instructor-led and self-paced course bridges the knowledge gap between theoretical understanding and practical application of data privacy and security frameworks. Through hands-on case studies, interactive discussions, and real-world examples, participants will gain actionable insights into data governance, encryption standards, threat mitigation, and ethical data handling. This program is ideal for anyone looking to enhance their data literacy and fortify their organizational defense mechanisms.

Programme Curriculum

Training Course on Fundamentals of Data Privacy and Security

Introduction

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Course Objectives

1. Understand the core principles of data privacy and how they impact digital ecosystems.
2. Identify types of personal data and classify sensitive information under global regulations.
3. Explore GDPR, HIPAA, CCPA, and other international privacy laws.
4. Implement cybersecurity protocols to mitigate data breaches and cyberattacks.
5. Learn risk assessment techniques and perform privacy impact assessments (PIAs).
6. Apply data encryption methods and understand the role of secure data transmission.
7. Build a data breach response plan to handle incidents effectively.
8. Understand the data lifecycle management from collection to deletion.
9. Integrate privacy by design into system architecture and development.
10. Define roles and responsibilities of a Data Protection Officer (DPO).
11. Understand cloud security practices and secure data storage solutions.
12. Gain hands-on experience with incident reporting tools and forensic audits.
13. Apply AI and machine learning ethics to privacy-preserving technologies.

Target Audience

1. IT Managers
2. Compliance Officers
3. Cybersecurity Analysts
4. Legal and Risk Consultants
5. Small Business Owners
6. Data Protection Officers (DPOs)
7. System Architects
8. Government Officials and Regulators

Course Duration: 5 days

Course Modules

Module 1: Introduction to Data Privacy and Security

- Understand definitions: data privacy vs. data security
- Overview of data privacy laws and global compliance
- Importance of safeguarding personal and sensitive data
- Impact of data breaches on organizations and individuals
- Key terminologies in the field (PII, encryption, anonymization)
- **Case Study**: Facebook–Cambridge Analytica scandal

Module 2: Privacy Laws and Regulations

- GDPR principles and lawful processing
- HIPAA and health data protection
- California Consumer Privacy Act (CCPA)
- Data subject rights and organizational responsibilities
- Cross-border data transfer and localization issues
- **Case Study**: Google’s GDPR fine by CNIL

Module 3: Risk Management and Privacy Impact Assessments

- Introduction to risk frameworks (ISO 31000, NIST)
- How to perform a Privacy Impact Assessment (PIA)
- Identifying threats and vulnerabilities
- Mitigating legal, financial, and reputational risks
- Role of continuous monitoring and compliance reviews
- **Case Study**: Equifax data breach analysis

Module 4: Data Security Techniques and Tools

- Encryption standards (AES, RSA, TLS)
- Multi-factor authentication and identity management
- Network security fundamentals
- Secure cloud storage and backup
- Endpoint protection and firewalls
- **Case Study**: Capital One's cloud breach

Module 5: Data Governance and Lifecycle Management

- Data classification and inventory
- Data retention and destruction policies
- Access control and permission settings
- Roles of data stewards and custodians
- Data portability and interoperability
- **Case Study**: Uber's data retention controversy

Module 6: Incident Response and Breach Management

- Building a breach response plan
- Notification obligations under various laws
- Digital forensics and root cause analysis
- Coordinating with law enforcement and regulators
- Post-breach audits and corrective actions
- **Case Study**: Marriott International data breach

Module 7: Privacy by Design and Default

- Embedding privacy in system development lifecycle
- Conducting Data Protection Impact Assessments (DPIAs)
- Minimization of data collection
- Integrating privacy settings into UI/UX
- Agile and DevSecOps for privacy-centric design
- **Case Study**: Apple's privacy-focused product design

Module 8: Emerging Technologies and Future of Data Privacy

- AI, big data, and ethical challenges
- Machine learning and algorithm transparency
- Blockchain and decentralized identity management
- Biometrics and facial recognition privacy
- Future-proofing privacy policies for new tech
- **Case Study**: Clearview AI facial recognition litigation

Training Methodology

- Instructor-led live training sessions

- Hands-on labs and interactive workshops
- Group discussions and peer review
- Real-world case studies and problem-solving activities
- Quizzes and post-training assessments for certification

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com