**Access control**

**Course Objectives
Course Competencies/ Learning Objectives**



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| **Course Learning Objectives**  | **Major Instructional Areas**  | **Assessment Method**  |
| Define the authorization and the access to an IT infrastructure based on an access control policy framework.  | Ch. 1  | Homework assignments Midterm ExamFinal Exam  |
| Mitigate risk to an IT infrastructure’s confidentiality, integrity, and availability with sound access controls.  | Ch. 2  | Homework Assignments Midterm ExamFinal Exam  |
| Analyze how a data classification standard impacts an IT infrastructure’s access control  | Ch. 3  | Homework Assignments Midterm ExamFinal Exam  |



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| requirements and implementation.  |  |  |
| Develop an access control policy framework consisting of best practices for policies, standards, procedures, and guidelines to mitigate unauthorized access.  | Ch. 4  | Homework Assignments Midterm ExamFinal Exam  |
| Assess the consequences of failed access controls and mitigate unauthorized access.  | page2image46438208Ch. 5  | Homework Assignments Midterm ExamFinal Exam  |
| Apply various access control methods to solve a range of business challenges.  | page2image46440320Ch. 6  | Homework Assignments Midterm ExamFinal Exam  |
| Define proper security controls for information systems within IT infrastructures.  | Ch. 7, 8 page2image46443776 | Homework Assignments Midterm ExamFinal Exam  |
| Explore ways to secure the facilities that house sensitive resources and use biometric technology to verify identity.  | Ch. 9 page2image46631552 | Homework Assignments Midterm ExamFinal Exam  |
| Design appropriate authentication solutions throughout an IT infrastructure based on user types and data classification standards.  | Ch. 10  | Homework Assignments Midterm ExamFinal Exam  |
| Utilize policies, standards, guidelines, and procedures to implement and maintain access control.  | Ch. 11  | Homework Assignments Midterm ExamFinal Exam  |
| Implement a secure remote access solution.  | Ch. 12  | Homework Assignments Midterm ExamFinal Exam  |