

**Illinois IDEA HS  
Course Outline**

**College/Division:** Northern Illinois University, Department of Computer Science

**Course Title:** CISSP Review

**Course Number:** CSCI 659

**Credit Hours:** 3

**Instructor's/Originator's Name:** Dr. Jim Leon

**Catalog Description:** This is an online preparatory course for the Certified Information Systems Security Professional (CISSP) certification exam. The CISSP certification is the premiere worldwide security certification that is highly recommended for any job in information systems security and auditing. Topics include the ten domains of the CISSP exam, including security management practices, access control, security models and architecture, telecommunications and network security, and cryptography. Students will see sample CISSP test questions and take practice exams.

**Prerequisites:** None. A previous security course(s) is helpful, but not required.

**Restrictions:** A previous security course(s) is helpful, but not required.

**Rationale:** A student would want to take this course to become a CISSP, which will lead them to a career in IT security.

**Intended Audience:** This class is available for credit for both graduate and undergraduate students. Undergraduate students at NIU can enroll in this class if they have 90 hours and gpa > 3.0. To officially become a CISSP, you must pass the examination, have a bachelors degree in any field, and have three years work experience related to security. However, if you don't have the work experience or bachelors degree, you can pass the examination and become an "Associate of ISC2" and then automatically become a CISSP once you gain the proper work experience and degree. ISC2 is the governing body for the CISSP examination.

**Expected Student Outcomes:** After taking the class the student should be able to:

1. Master the topics in the ten CISSP domains
2. Sit and successfully pass the CISSP exam on their first attempt

**Texts:** Required: CISSP Review – Shon Harris ISBN 0-07-225714-8. Suggested: Mike Myers Certification Passport – CISSP – Shon Harris ISBN 0-07-222578-5.

**Topical Outline/Course Content:**

Domain 1: Security Models/Architecture  
Domain 2: Security Management Practices  
Domain 3: Access Control  
Domain 4: Physical Security  
Domain 5: Network Security  
Domain 6: Cryptography  
Domain 7: Disaster Recovery and Business Continuity  
Domain 8: Law, Investigation, Ethics  
Domain 9: Application and Systems Development  
Domain 10: Operations Security

**Course Activities:** Weekly/biweekly readings and practice test questions

**Evaluation/Assessment:** You will take a midterm and final on NIU's blackboard test system. The midterm will be over five CISSP chapters. The final will be over the last five CISSP chapters. Midterm is weighted 40%. Final is weighted 60%. After weighting are applied to your test percentage, your final number will be between 0 – 100. The scale is:

70 or above (passing rate for CISSP certification) =	A
Below 50 – 70	B
Below 50	C

**Bibliography/References:** CISSP All In One Review by Shon Harris, website [www.cissp.com,website](http://www.cissp.com,website) www.isc.com