

## **Bristol Community College - Spring 2020 Syllabus**

Course Name : CIT-102

Course Description : Security Awareness

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## **CIT-102 Security Awareness**

### **Catalog Description**

This course introduces students to security and data confidentiality. The course presents a broad overview to help the student become more aware of computer security. Topics include securing data, confidentiality, integrity of data, password policies, and issues related to liability. One hour of lecture per week.

### **Student Learning Outcomes**

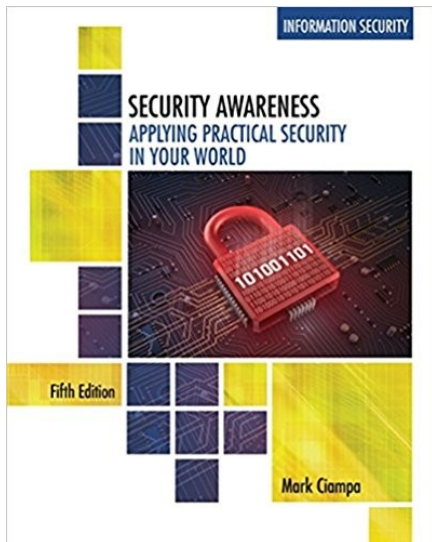
At the end of this course, students will be able to:

- Identify and classify security threats and vulnerabilities facing an organization
- Understand basic security concepts
- Evaluate the potential of security products to meet identified threats
- Secure Windows-based software and hardware platforms
- Identify attacks against networks

Specific goals to meet these outcomes include:

- Understanding cryptography techniques to secure information
- Understanding PKI (public key infrastructure) standards
- Securing Windows desktop PC and user accounts
- Working on practical assignments to defend PC against hacking attacks
- Understanding enterprise policy creation
- Identification of organizational and management roles relating to security infrastructure.
- Preparing security policies and procedures
- Identification of the elements needed to create a disaster recovery plan
- Developing input into security decisions facing an organization
- Recommend changes to an organization to increase security awareness and effectiveness

### **Required Text**



Security Awareness: Applying Practical Security in Your World  
5th Edition  
by Mark Ciampa, Course Technology  
ISBN: 9781305500372

## Disability Accommodations

If you are a student who would normally seek accommodations in a traditional, face to face classroom, please speak to me and the Office of Disability Services as soon as possible. You may contact the Office of Disability Services to arrange for appropriate accommodations by calling 508-678-2811--Fall River, ext. 2955; Attleboro, ext. 2996; New Bedford, ext. 4011) or by stopping by L109. You may also contact the Office of Disability Services online at <http://www.bristolcc.edu/about/publicrecordsrequest/disabilityservices/>

## Course Format

The course is being taught as a distance learning course. The student is responsible for keeping up to date with the material, studying notes and presentations. Finding additional tutorials and resources to support online learning is also part of the student's responsibility. The assigned readings and quizzes will be available on the class web page.

Late assignments may result in five point deductions from the grade per each day late. Quizzes more than 2 weeks late will NOT be accepted.

## Weights for the Final Grade Determination

Weekly Quizzes	80%
Final Exam	20%

The Final Grades will be assigned as follows:

97-100	A+	87-89	B+	77-79	C+	67-69	D+
93-96	A	83-86	B	73-76	C	63-66	D
90-92	A-	80-82	B-	70-72	C-	60-62	D-
Below 60	F						

## Minimum Requirements for a Passing Grade

- Curiosity and love for learning.
- Responsibility for reading the textbook and keeping current with the class material.
- Average grade of 60 or greater on all Quizzes and the Final Exam

## Attendance and Class Participation

Attendance is recorded weekly based on the student's ability to submit quality and timely quizzes by the due date posted. Students are considered "present" when they submit the required assignment (with a satisfying passing grade) prior to the due date for that week. Poor attendance may affect your final grade.

Students are responsible for withdrawing officially if they stop attending any or all classes. Faculty no longer have the ability to withdraw a student from a class. A grade of "F" will be assigned to any student who stops attending a course but does not officially withdraw. Students are encouraged to meet with an advisor before making any changes to their schedule. Withdrawals impact Satisfactory Academic Progress and can place the student at risk for academic probation or dismissal. Students who use financial aid and who subsequently withdraw may be required to return some or all funds received. Withdrawals are accepted until the tenth week of classes. Students may withdraw online in accessBCC, in person at any Enrollment Center, or via their college email to [enrollmentservices@bristolcc.edu](mailto:enrollmentservices@bristolcc.edu). Email requests must come from the student's BCC college email address and must include the student's name, BCC student ID number, and course information (CRN, course and section number).

Email from non-college accounts will not be accepted. If a student officially withdraws after the third week of classes, there will be no tuition or college fee refunds. For more information, see the College Catalog at

<http://bristolcc.edu/>

Students with questions should contact Enrollment Services via any of the methods mentioned above or at 774-357-2590

## BCC Academic Policies

College-wide Academic Policies outlined in BCC Academic Catalog directly apply to this course. It is your responsibility to read carefully and understand Academic Information, especially Academic Integrity, Academic Dishonesty, Academic Negligence, Plagiarism, and Classroom conduct, which are published online.

## Success Tip

Here is a success tip From BCC Student Handbook, page 8: *"For each hour in class, you should expect to study at least 2-3 hours outside of class. Know your limits, avoid over scheduling yourself (whether it be work or class). Set up a schedule that you know will allow you to earn good grades. And, maintain a day planner to help you stay organized."*

# **CIT-102 TENTATIVE SCHEDULE**

## **Introduction to Security**

- Challenges of Securing Information
- What Is Information Security?
- Who the Attackers Are
- Building a Comprehensive Security Strategy
- 2 Quizzes

## **Personal Security**

- Personal Security Attacks
- Passwords
- Phishing
- Social Network Risks
- Identity Theft
- 2 Quizzes

## **Computer Security**

- Attacks Using Malware
- Computer Defenses
- Firewalls, Antimalware, UAC Monitoring
- Data Backups and Recovery
- 2 Quizzes

## **Internet Security**

- How the Internet Works
- World Wide Web and Email
- Internet Security Risks
- Browsers, Drive-by Downloads, Cookies
- Internet Defenses and Best Practices
- 2 Quizzes

## **Mobile Security**

- Mobile Attacks and Wireless Networks
- Mobile Defenses
- Wireless Networks Security
- Mobile Device Security
- 2 Quizzes

## **Privacy**

- What Is Privacy?
- Private Data and Associated Risks
- Cryptography
- Privacy Best Practices
- Responsibilities of Organizations
- Quiz

## **Final Exam**

**Note:** *This syllabus is not to be construed as a contract in any way, shape, manner or form. This syllabus is a suggested course outline and will be generally followed, subject to change according to the instructor's discretion and needs. Academic flexibility is important!*