



## CIST1601 - Information Security Fundamentals

### COURSE SYLLABUS

SPRING Semester 2019 (FY201914)

Jan 7, 2019 – Apr 30, 2019

#### COURSE INFORMATION

Credit Hours/Minutes: **3/3000**

Class Location: **Georgia Virtual Technical Connection (GVTC)/Blackboard**

Class Meets: **Via Internet for 15 weeks**

Course Reference Number (CRN): **40179**

Preferred Method of Contact: **Southeastern Technical College Office 365 email**

#### INSTRUCTOR CONTACT INFORMATION

Instructor Name: Mr. Jamie Powers

Email Address: [Jamie Powers jpowers@southeasterntech.edu](mailto:jpowers@southeasterntech.edu)

Campus/Office Location: Swainsboro Campus, Building 2, Room 2106

Office Hours: 9 a.m. – 12 p.m. and 3 p.m. – 5:30 p.m. Monday/Wednesday

Phone: 478-289-2221

Fax Number: 478-289-2276

Tutoring Hours (if applicable): Made by appointment with instructor

#### SOUTHEASTERN TECHNICAL COLLEGE (STC) CATALOG AND HANDBOOK

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php) (<http://www.southeasterntech.edu/student-affairs/catalog-handbook.php>).

#### REQUIRED TEXT

No Text Purchase is required. Students will access the e-textbook which is included with the TestOut website course program. Students are required to purchase the Access Code : **TestOut Security Pro version 6.0.x ISBN 978-1-935080-44-2** from the [Southeastern Technical College bookstore](mailto:stcbookstore@southeasterntech.edu) ([stcbookstore@southeasterntech.edu](mailto:stcbookstore@southeasterntech.edu)) or **912-538-3129** or from [TestOut Website](http://www.TestOut.com) ([www.TestOut.com](http://www.TestOut.com)).

TestOut PC Pro will be used for the CIST1135 and CIST1122 and will only need to be purchased once. Students will be given the registration information before class begins. Students who prefer to purchase a book as a resource, may obtain the book information from the instructor.

#### REQUIRED SUPPLIES & SOFTWARE

Use Southeastern Technical College computers or a computer with XP, VISTA, Win 7, 8, or 10, 1.3 Ghz Processor, 512 MB RAM, up to 4.5 GB free hard drive space, DVD Drive, Monitor with 1024X768 resolution, sound card, Internet Explorer 7+ or **Internet Explorer (preferred)**, Windows Media Player 10.0 or later, Adobe Reader, optional: 128 mb or higher USB Flash Drive **Note: Students will be saving their work via the TESTOUT LabSim and thru BLACKBOARD. Internet access required. Students are required to have TestOut access code on the first day of class.**

**Note:** Although students can use their smart phones and tablets to access their online course(s), exams,

discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take an online course.

## **COURSE DESCRIPTION**

This course provides a broad overview of information security. It covers terminology, history, security systems development and implementation. Student will also cover the legal, ethical, and professional issues in information security.

## **MAJOR COURSE COMPETENCIES**

Information Security Terminology; Information Security, Legal, Ethical, and Professional Issues in Information Security, Security Policy and Procedures, Information Security Components, Identification, Assessment and Control of Risks Related to Information Security.

## **PREREQUISITE(S)**

None

## **GENERAL EDUCATION CORE COMPETENCIES**

STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

## **STUDENT REQUIREMENTS (ONLINE)**

Students are expected to complete all work shown on the attached assignment sheet. Students are also expected to complete all tests and comprehensive problems on the dates specified on the attached calendar. Assignments will be completed as Word documents and saved **via the Blackboard learning system.** . Assignments are given with numerous days to complete; therefore, **no assignment will be accepted late. After the due date a grade of zero will be given.** Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor. Students are responsible for policies and procedures included in the *Southeastern Technical College Catalog and Handbook*. **Program students must earn a minimum grade of C in this course. Unannounced quizzes/assignments may be given. Students who miss an unannounced quiz or assignment will receive a grade of 0.**

- **Discussion Board topics** must be appropriate to the class. Spelling and grammar are considered part of the grade. Posted content should fully answer the question. Short 1 to 2 sentence posts will not be sufficient. See Discussion Board rubric below. **Complete your initial post by Wednesday and all replies by the Monday due date.**
- **EMAILS: Prefer method of communication should be thru Southeastern Technical College Office 365 MAIL.** Make sure that you always type your name and class in the subject line of every email you send me so I know which class you are in. **For example: CIST1601 OL Powers**
- **CHECKING GRADES:** A grade book is made available in the BLACKBOARD course on the main page by clicking the MY GRADES link when students log in. This grade book is for students to review and is continuously updated throughout the semester. Students can view their grades at any time to see the individual grades for each assignment. The overall percentage averages should display in the grade book to help track course progress.
- **No Harm No Foul Policy:** It is the student's responsibility to drop courses during the first three days by completing a withdrawal form with a Counselor in Student Affairs. If a student comes to class during the first three days or any day during this time, the student will be dropped with no penalty **only if** they have completed the Withdrawal Form with Student Affairs by the close of business on the third business day of

the quarter. (For **Spring semester, that day will be January 9, 2019.**) **The student must formally withdraw from classes in order to receive the no harm-no foul benefit.**

## **ONLINE ATTENDANCE**

It is the student's responsibility to be academically engaged each week doing course related activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an F (Failing 0-59) in a course.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

**Students will have at least one week to complete tests and assignments. All tests and assignments are due at midnight on Monday of each week.** Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

**Late assignments will not be accepted. Students who miss any assignment, test, project, or discussion board will receive a grade of 0.**

## **STUDENTS WITH DISABILITIES**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

**Swainsboro Campus:** Macy Gay [mgay@southeasterntech.edu](mailto:mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1208

**Vidalia Campus:** Helen Thomas [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 108

## **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

## **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

**Swainsboro Campus:** Macy Gay [mgay@southeasterntech.edu](mailto:mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1208

**Vidalia Campus:** Helen Thomas [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 108

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

## **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which student is enrolled, the student has earned the right to a letter grade and will receive a grade

for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

### **Online Proctored Event Withdrawals**

Students who do not complete the proctored exam for an online class on the scheduled date and do not present a valid excuse within three business days of the scheduled event will be withdrawn from the course with a "WF" (Withdrawn Failing) and will be disabled in their online class. If the proctored event is scheduled during final exams, any student who misses the proctored exam will receive an "F" for the course.

### **PROCTORED EVENT REQUIREMENT**

In order to validate student identity for all online courses, students enrolled in online courses are **required** to complete one proctored event per online course. The proctored event will be administered on separate days—once on the Vidalia campus and once on the Swainsboro campus. Students must attend one of the proctored sessions as scheduled on the Lesson Plan/Course Calendar. Dual enrollment students enrolled in online courses have the same options, but can also complete the event on the high school campus. The event will be monitored by the instructor, another College employee, or high school counselor. The proctored event may be a major exam, assignment, or presentation, etc. that will count a minimum of 20% of the course grade. Students must attend one of the scheduled proctored sessions and will need to make arrangements with work, childcare, etc. The specific dates of the proctored event are scheduled on the Lesson Plan/Calendar for the online course.

Students living farther than 75 miles from either campus who cannot come to Southeastern Tech for the event must secure an approved proctoring site. The site and the proctor must meet Southeastern Technical College's requirements (instructor will provide more information and necessary forms if this is the case).

Note: Students taking proctored events off campus will utilize the Proctor Scheduling and Approval Form found in Blackboard within the Getting Started/Start Here and Proctoring Event area. The completed form should be submitted to the course instructor a minimum of two weeks prior to the proctored event. If approved, the instructor will notify the proctor.

Students arranging off-campus proctoring must take the event on one of the originally scheduled days. Students who do not complete the proctored event as scheduled must submit a valid documented excuse within three business days after the scheduled event. If the excuse is approved by the instructor of the course, students must make arrangements with the instructor to makeup/reschedule the missed event. The penalty and makeup instructions will be at the instructor's discretion. Proctored events will be given after the 65% point of the semester. **Students who do not complete the proctored event on the scheduled date and do not present a valid documented excuse within three business days of the scheduled event will be withdrawn from the course with a "WF" (Withdrawn Failing). If the proctored event is scheduled during final exams, any student who misses the proctored event will be issued an "F" (Failing) for the course.**

### **PROCTORING FEES**

Students are not charged a proctoring fee when taking a proctored event at Southeastern Technical College or any other TCSG college. Students who choose to use an off-campus proctor may be assessed a proctoring fee by the proctoring site. In this instance, the student is responsible for payment.

**The required proctored event for this class is scheduled on the following dates and times: Swainsboro Campus, 4/29/2019, 3:00 PM, Building 2, Room 2106, and Vidalia Campus, 4/30/2019, 8:00 PM, Gillis Regional Medical Technology Building Room 812.**

### **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC...)**

Students are required to take all tests scheduled during the semester. Failure to take Tests/Exam(s), and Lab assignments **will result in a grade of zero. There will be no makeup of Tests/Exams, Review Questions, or Labs.** If Internet or browser failure occurs, contact instructor immediately. A decision will be made at that time if the exam will be reset. Instructor reserves the right to deduct points from the exam scores for exceeding the scheduled time limit on the exam and/or requiring student to come to campus to take the final exam. **Note:** If student notifies instructor about exam problems because of technical issues after the due date or on the last day of the semester, the student will NOT be allowed to make-up the exam. **No exceptions! Assignments must be turned in on the assigned date and will not be accepted late, a grade of zero will be given. ALL Assignments are due according to the lesson plan. The due dates are posted on the lesson plan. Weeks start on Monday and end on Sunday with assignments due on Wednesday at 11:55 PM. See Lesson Plan.**

### **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

### **PROCEDURE FOR ACADEMIC MISCONDUCT**

The procedure for dealing with academic misconduct and dishonesty is as follows:

#### **1. First Offense**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

#### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

#### **3. Third Offense**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

### **STATEMENT OF NON-DISCRIMINATION**

The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member or citizenship status (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

### ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

### GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College’s website.

### ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College's Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

### TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

### GRADING POLICY

Assessment/Assignment	Percentage
Discussion Board Topics	10%
Lab Sims	35%
Module Exams	30%
Proctored Event/Final Exam	25%

### GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

**Grade of D or below results in student repeating the class**

## Discussion Board Grading Rubrics:

Criteria Weight	Exceptional 100	Proficient 90	Satisfactory 70	Poor 50	Unacceptable 0
<b>Grammar/ Spelling 25.00 %</b>	<ul style="list-style-type: none"> <li>No grammatical or spelling errors <b>(25 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Grammatical and spelling errors are few and cause no comprehension problems. <b>(22.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Grammatical and spelling errors cause the reader to reread many parts of the post. <b>(17.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Grammatical and spelling errors are frequent making posts confusing to read and comprehend. <b>(12.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Grammatical and spelling errors are so numerous that the post is hard or impossible to comprehend. <b>(0 points)</b></li> </ul>
<b>Posts &amp; Word Count 25.00%</b>	<ul style="list-style-type: none"> <li>Posts early to allow time to read and reply</li> <li>Publishes at least one original post and at least one reply</li> <li>125 - 150 words in main thread <b>(25 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Posts early to allow others time to read and reply</li> <li>Publishes one post and one reply</li> <li>80 – 124 words in main thread <b>(22.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Posts at the last minute without allowing enough time for others to read and reply.</li> <li>Publishes one post and no replies</li> <li>26 – 79 words in main thread <b>(17.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Posts at the last minute without allowing enough time for others to read and reply.</li> <li>Publishes no posts and one reply</li> <li>0-25 words in main thread <b>(12.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Publishes no posts or replies <b>(0 points)</b></li> </ul>
<b>Critical Thinking NO COPYING AND PASTING FROM WEBSITES. If any information comes from a website it must be cited as a resource. 25.00%</b>	<ul style="list-style-type: none"> <li>Content provides a thorough frame of reference for comprehending the solution;</li> <li>an original solution is provided.</li> <li>Numerous Resources listed <b>(25 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Content provides appropriate factual data but is not original or complete to solve problem or topic.</li> <li>Resources listed <b>(22.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Content attempts to solve problem or topic but is too vague or disorganized to completely comprehend solution.</li> <li>Few resources listed <b>(17.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Content is not a realistic solution to the problem or topic.</li> <li>One resource listed <b>(12.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Content fails to offer a conscientious solution to selected problem or topic.</li> <li>No resource listed <b>(0 points)</b></li> </ul>
<b>Explanation 25.00%</b>	<ul style="list-style-type: none"> <li>All Steps are covered.</li> <li>Questions are answered correctly. <b>(25 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Most Steps are covered and answered correctly. <b>(22.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Most steps are covered but not answered correctly. <b>(17.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Less than half of the steps are covered and answered correctly. <b>(12.5 points)</b></li> </ul>	<ul style="list-style-type: none"> <li>Less than half of the steps are covered and not answered correctly. <b>(0 points)</b></li> </ul>

# CIST 1601 – Information Security Fundamentals

## LESSON PLAN

### SPRING Semester 2019 (FY 201914)

**Key:** Aug = August, Sep = September, Oct = October, Nov = November, Dec = December

Week/ Date	Module	Content	Assignments & Tests Due Dates	Competency Area
Monday Jan 7		Class Introduction – Syllabi, Outline, Work Ethics, Rules, and Regulations Coverage <b>Login to TestOut</b> and enter the registration information given to you by the instructor. <b>The practice questions and the lab simulation help you prepare for the module exams.</b>	<b>Logon to STUDENT MAIL:</b> Send email to Instructor Reply to any Instructor email. <b>Login to BLACKBOARD:</b> Read all documents located under <b>Getting Started - Start Here</b> folder. Complete the <b>Acknowledgment Pledge</b> and the <b>Student Introduction Acknowledgement</b> discussion before beginning course work. <b>You must have the TestOut keycode in order to start.</b> <b>Click on the first Module link under lessons and enter your code</b> For each module in the TestOut you will watch a video/demonstration, read the information given, complete graded lab simulations, and then answer the graded questions at the end. <b>Make sure you complete the mouse icons and module exams to receive grades.</b>  <b>DUE 11:55 PM JAN 9</b>	
<b>Week 1</b> Jan 8 - 15	<b>1.0</b>	<b>Introduction</b> Jan 15 Holiday	Complete all of <b>Module 1.0</b> – (1.1 – 1.2) 1.1 Security Overview 1.2 Using the Simulator <b>WEEK 1 ASSIGNMENTS DUE 11:55 PM JAN 15</b>	1,6,a,c
<b>Week 2</b> Jan 15-21	<b>2.0</b>	<b>Security Basics</b>	Complete all of <b>Module 2.0</b> – (2.1 – 2.6) 2.1 Understanding Attacks 2.2 Defense Planning 2.3 Access Control 2.4 Cryptography Basics 2.5 Network Monitoring 2.6 Incident Response Complete <b>Module 2 Exam</b> Complete <b>Discussion Board 1</b> in Blackboard <b>WEEK 2 ASSIGNMENTS DUE 11:55 PM JAN 22</b>	



<b>Week/ Date</b>	<b>Module</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Week 3</b> Jan 22-28	<b>3.0</b>	<b>Policies, Procedures, and Awareness</b>	Complete <b>Module 3.0 – (3.1 – 3.9)</b> 3.1 Security Policies 3.2 Risk Management 3.3 Business Continuity 3.4 Manageable Network Plan 3.5 Social Engineering 3.6 App Development and Deployment 3.7 Employee Management 3.8 Mobile Devices 3.9 Third-Party Integration Complete <b>Module 3 Exam</b> Complete <b>Discussion Board 2</b> in Blackboard <b>WEEK 3 ASSIGNMENTS DUE 11:55 PM JAN 28</b>	
<b>Week 4</b> Jan 29-Feb 4	<b>4.0</b>	<b>Physical</b>	Complete <b>Module 4.0 – ( 4.1 – 4.4)</b> 4.1 Physical Threats 4.2 Device Protection 4.3 Network Infrastructure Protection 4.4 Environment Controls Complete <b>Module 4 Exam</b> <b>WEEK 4 ASSIGNMENTS DUE 11:55 PM FEB 4</b>	
<b>Week 5</b> Feb 5-11	<b>5.0</b>	<b>Perimeter</b>	Complete <b>Module 5.0 – (5.1 – 5.6)</b> 5.1 Recon and Denial 5.2 Spoofing and Poisoning 5.3 Security Appliances 5.4 Demilitarized Zones (DMZ) 5.5 Firewalls 5.6 Network Address Translation (NAT) Complete <b>Discussion Board 3</b> in Blackboard <b>WEEK 5 ASSIGNMENTS DUE 11:55 PM FEB 11</b>	
<b>Week 6</b> Feb 12-18	<b>5.0</b>	<b>Perimeter</b>	Complete <b>Module 5.0 – (5.7 – 5.12)</b> 5.7 Virtual Private Networks (VPN) 5.8 Web Threat Protection 5.9 Network Access Protection 5.10 Wireless Overview 5.11 Wireless Attacks 5.12 Wireless Defenses Complete <b>Module 5 Exam</b> <b>WEEK 6 ASSIGNMENTS DUE 11:55 PM FEB 18</b>	

<b>Week/ Date</b>	<b>Module</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Week 7</b> Feb 19-25	<b>6.0</b>	<b>Network</b>	Complete <b>Module 6.0 – (6.1 – 6.8)</b> 6.1 Network Threats 6.2 Network Device Vulnerabilities 6.3 Network Applications 6.4 Switch Attacks 6.5 Switch Security 6.6 Using VLANs 6.7 Router Security 6.8 Intrusion Detection and Prevention <b>WEEK 7 ASSIGNMENTS DUE 11:55 PM FEB 25</b>	
<b>Week 8</b> Feb 26- Mar 4	<b>6.0</b>	<b>Network</b>	Complete <b>Module 6.0 – (6.9 – 6.16)</b> 6.9 Vulnerability Assessment 6.10 Protocol Analyzers 6.11 Remote Access 6.12 Network Authentication 6.13 Penetration Testing 6.14 Virtual Networking 6.15 Software-Defined Networking (SDN) 6.16 Cloud Services Complete <b>Module 6 Exam</b> <b>WEEK 8 ASSIGNMENTS DUE 11:55 PM MAR 4</b>	
<b>Week 9</b> Mar 5-11	<b>7.0</b>	<b>Host</b>	Complete <b>Module 7.0 – (7.1 – 7.6)</b> 7.1 Malware 7.2 Password Attacks 7.3 Windows System Hardening 7.4 Hardening Enforcement 7.5 File Server Security 7.6 Linux Host Security Complete <b>Discussion Board 4</b> in Blackboard <b>WEEK 9 ASSIGNMENTS DUE 11:55 PM MAR 11</b>	
<b>Week 10</b> Mar 12-18	<b>7.0</b>	<b>Host</b>	Complete <b>Module 7.0 – (7.7 – 7.13)</b> 7.7 Embedded Systems 7.8 Log Management 7.9 Audits 7.10 Email 7.11 BYOD Security 7.12 Mobile Device Management 7.13 Host Virtualization Complete <b>Module 7 Exam</b> <b>WEEK 10 ASSIGNMENTS DUE 11:55 PM MAR 18</b>	

<b>Week/ Date</b>	<b>Module</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
<b>Week 11</b> Mar 19-25	<b>8.0</b>	<b>Application</b>	Complete <b>Module 8.0 ( 8.1 – 8.7)</b> 8.1 Access Control Models 8.2 Authentication 8.3 Authorization 8.4 Web Application Attacks 8.5 Internet Browsers 8.6 Application Development 8.7 Active Directory Overview Complete <b>Discussion Board 5</b> in Blackboard <b>WEEK 11 ASSIGNMENTS DUE 11:55 PM MAR 25</b>	
<b>Week 12</b> Mar 26-Apr 8	<b>8.0</b>	<b>Application</b>	Complete <b>Module 8.0 ( 8.8 – 8.14)</b> 8.8 Windows Domain Users and groups 8.9 Linux Users 8.10 Linux Groups 8.11 Linux User Security 8.12 Group Policy Overview 8.13 Hardening Authentication 1 8.14 Hardening Authentication 2 Complete <b>Module 8 Exam</b> <b>WEEK 12 ASSIGNMENTS DUE 11:55 PM APR 8</b>	
<b>Week 13</b> Apr 9-15	<b>9.0</b>	<b>Data</b>	Complete <b>Module 9.0 (9.1 – 9.7)</b> 9.1 Data Management 9.2 Advanced Cryptography 9.3 Cryptography Implementations 9.4 Cryptographic Attacks 9.5 Symmetric Encryption 9.6 Asymmetric Encryption 9.7 File Encryption <b>WEEK 13 ASSIGNMENTS DUE 11:55 PM APR 15</b>	
<b>Week 14</b> Apr 16-22	<b>9.0</b>	<b>Data</b>	Complete <b>Module 9.0 (9.7 – 9.14)</b> 9.8 Public Key Infrastructure (PKI) 9.9 Hashing 9.10 Data Transmission Security 9.11 Data Loss Prevention (DLP) 9.12 Redundancy 9.13 Backup and Restore 9.14 Cloud Storage <b>WEEK 14 ASSIGNMENTS DUE 11:55 PM APR 22</b>	

Week/ Date	Module	Content	Assignments & Tests Due Dates	Competency Area
Week 15 Apr 23-30		Practice Security + Domain Questions for Final	To Review for Final complete B.2 Domain 1 – B.2 Domain 6 CompTia Security + questions <b>Proctored Exam: Take Final Exam</b> <b>(Security+ Practice Exam 100 Questions)</b> <b>WEEK 15 ASSIGNMENTS DUE 11:55 PM APR 30</b>	1-6, a-c

**COMPETENCY AREAS:**

1. Information Security Terminology
2. Information Security
3. Legal, Ethical and Professional Issues in Information Security
4. Security Policy and Procedures
5. Information Security Components
6. Identification, Assessment and Control of Risks Related to Information Security

**GENERAL CORE EDUCATIONAL COMPETENCIES**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.

**Students are responsible for all information contained in this lesson plan. This lesson plan is subject to change at instructor's discretion.**