**COURSE SYLLABUS**

**Security Architectures**

CIS 3661

Online Instruction 2022

**INSTRUCTOR**

**Instructor Name**: Chrissy Risberg

**Email:** [risberg.chrissy@mycourses.spcollege.edu](mailto:risberg.chrissy@mycourses.spcollege.edu)

**Phone**: 727-712-5815

**Office and Online Chat Hours:** (by appointment)

**Office Location:** Tarpon Springs LY 248 (by appointment)

**Instructor Web Page:** <http://webapps.spcollege.edu/instructors/id/risberg.chrissy>

**ACADEMIC DEPARTMENT**

**Dean:**Dr. John Duff **Office Location:** TE 116, St Pete/Gibbs Campus  
**Email:** duff.john@SPCollege.edu  
**WEBSITE:**<http://go.spcollege.edu/ccit/>

**COURSE INFORMATION**

**Course Description**

This course covers a wide range of topics as they relate to security architecture. Topics include the design, development, and integration of security into system architecture solutions. In this course students will examine the different layers of security architecture, analyze security architecture strategies, and apply policies and standards to security architecture.

**Course Goals**

[Approved Course Outline](http://curricunet.com/stpetersburg/reports/course_outline_html.cfm?courses_id=9567)

1. In this course students will examine the different layers of security architecture.  
2. In this course students will apply security architecture policies and standards to organizational objectives.  
3. In this course students will analyze security architecture strategies.

**Course Objectives**

1. The student will examine the different layers of security architecture by:  
a. Identifying the three components of security architecture including technology, people, and processes.  
b. Outlining the use of multiple components to protect operations on multiple levels or layers.  
c. Describing the practice of combining multiple mitigating security controls to protect resources and data.  
2. The student will apply security architecture policies and standards to organizational objectives by:  
a. Listing security architecture policies and standards.  
b. Creating a security architecture design document.  
3. The student will analyze security architecture strategies by:  
a. Discussing how the security architecture is designed in a manner that reduces risk to an organization.  
b. Exploring security risks that need to be managed to support an organization's path.

**Prerequisites**

Admission to: TMGT-BAS or CYSEC-BAS

**REQUIRED TEXTBOOK & OTHER RESOURCE INFORMATION**

Required Textbook: Practical Cybersecurity Architecture - A guide to creating and implementing robust designs for cybersecurity architects

Publisher Information: Packt

ISBN: 9781838989927

View the [Textbooks](https://go.spcollege.edu/textbooks/) site.

View the [Learning Resources](http://www.spcollege.edu/current-students/learning-resources) site.

**LEARNER SUPPORT**

Answers to questions regarding accommodations may be found at the [Accessibility Services](https://go.spcollege.edu/Accessibility/) site. If you are in need of accommodations, please contact a campus [Accessibility Services Coordinator](https://go.spcollege.edu/Contact-AccessibilityServices/). If you need a Sign Language Interpreter, complete the form at [web.spcollege.edu/survey/664](https://web.spcollege.edu/survey/664).

View the [Learning Resources](http://www.spcollege.edu/current-students/learning-resources) site.

View the [Learning Center Tutoring Schedules](http://spcollege.libguides.com/c.php?g=609501&p=4230937).

View the [Student Services](https://go.spcollege.edu/services/) site.

**IMPORTANT DATES**

**Course Dates:** Enter course beginning and ending dates here OR View the [Academic Calendar](https://go.spcollege.edu/calendar/).

**Drop Date:** Enter Drop date here OR View the [Academic Calendar](https://go.spcollege.edu/calendar/).

**Withdrawal Date:** Enter Withdrawal date here OR View the [Academic Calendar](https://go.spcollege.edu/calendar/).

**Financial Aid Dates:** View the [Financial Aid Dates](https://go.spcollege.edu/fadates/).

**DISCIPLINE-SPECIFIC INFORMATION**

**CCIT Computer Guidelines**

|  |  |
| --- | --- |
| **Item** | Recommended Minimum Technology Requirements for CCIT  Programs |
| **Processor** | Dual-core processor (Intel or AMD) |
| **Memory** | 4 GB (or higher) |
| **Disk Storage** | Adequate free space for storage of class files |
| **Video Card** | 256 MB (or higher) |
| **Monitor/Speakers** | 15” or larger Flat LCD Panel |
| **Media Drive** | 16x DVD +/- RW |
| **Operating System** | Windows 10 (or higher) |
| **Network Interface** | High Speed Broadband Internet Connection (Cable or DSL) |
| **Software** | Microsoft Office Suite 2016 or newer with the following:   * Word * Excel * Access * PowerPoint |
| **Access requirements** | Reliable and daily access to a personal computer (PC) from day 1 of class as below:   * Ability to download/upload documents and files * Browsers:   + Internet Explorer (version 14 or higher)   + Firefox (version 90 or higher)   + Google Chrome 90.0 |
| These are the minimum suggested technology requirements necessary to complete the programs within CCIT. All students and instructors are required to have access to a personal computer, personal high speed access to the Internet, and a college provided email account. The “minimum requirements” pertain to Windows Operating System compatible personal computers. These minimum requirements are a general recommendation for all CCIT courses. Some courses may have additional software and hardware requirements in order for students to be successful.  NOTE: Mac computers are not acceptable for most of the CCIT program courses and may cause the student undue frustrations. Instructors do not support issues with Mac computers. | |

**ATTENDANCE**

View the college-wide attendance policy included in [How to Be a Successful Student](https://go.spcollege.edu/Addendum/).

The policy notes that each instructor is to exercise professional judgment and define "active participation" in class (and therefore "attendance"), and publish that definition in each syllabus. For this class, attendance will be taken for the first two weeks of the class to determine if you have been actively participating in the class.    
You need to complete the following to be considered to be actively participating in the class:  
Week 1 assignments  
Week 2 assignments

If you are not actively participating for the first two weeks, you will be withdrawn from the class with a "W". You will also be denied access to the course in MyCourses. At the 60% point of the class, attendance will be taken for the third time to determine that you have been actively participating. This will be determined by the following: Completion of least 70% of work assigned to date. If you are considered not actively participating in the course at the 60% point, you will be withdrawn with a "WF". Students are required to withdraw themselves on or before the 60% point in the course to receive a grade of "W". The final date for voluntary withdrawal is published in the academic calendar. This date varies for dynamically dated, express and modmester courses. NOTE - Your instructor will not be able to withdraw you from the class. It is your responsibility. If a student wishes to withdraw after the 60% point they will receive a "WF" grade.

**GRADING**

**\*\*Grading will be based on a point system. The assignment point breakdown can be found in the table of content in module *Assignment Checklist and Due Dates*.**

\*\*Subject to change with notification\*\*

**How to check your Grades and review feedback:**

* [Checking Your Grades](http://mycoursessupport.spcollege.edu/checking-your-grades)
* [Reviewing Dropbox Submissions](http://mycoursessupport.spcollege.edu/reviewing-a-dropbox-submission)
* [Checking Discussion Grades and Feedback](http://mycoursessupport.spcollege.edu/checking-discussion-grades-feedback)
* [Reviewing Quiz Submissions](http://mycoursessupport.spcollege.edu/reviewing-a-quiz)

**Grading Scale**

A = 90-100%

B = 80-89%

C = 70-79%

D = 60-69%

F = 0-59%

**ASSIGNMENTS**

It is the student's responsibility to follow the schedule of class assignments.

1. If there are problems with completion of the assignment by the appointed date, the student must discuss the matter with the instructor **PRIOR** to the due date. Note: PRIOR includes all days up to the due date but does not include the actual due date unless discussed with your instructor. See each module for specific due dates.
2. It is the student's responsibility to follow the schedule of class assignments.
3. Late work will not be accepted, graded, or reviewed unless permission is granted PRIOR to assignment due dates. In the event an emergency occurs, please contact me regarding college policy for submitting documentation.

**STUDENTS' EXPECTATIONS AND INSTRUCTOR'S EXPECTATIONS**

**STUDENTS’ EXPECTATIONS**

If there are problems with completion of the assignment by the appointed date, the student must discuss the matter with the instructor Prior to the due date.

It is the student’s responsibility to follow the schedule of class assignments.

Late work will not be accepted, graded, or reviewed unless permission is granted Prior to assignment due dates. In the event an emergency occurs, please contact your instructor regarding college policy for submitting documentation.

You will need access to a computer with minimum suggested technology requirements for this class. All SPC campus libraries and Learning Support Centers have computers that can be used to complete course assignments.

Also see Student Expectations found in the [Syllabus Addendum](http://go.spcollege.edu/addendum/)

[Hurricane Preparedness](https://spcemergency.wordpress.com/)

**INSTRUCTOR EXPECTATIONS**

I will provide meaningful activities to develop your System Analysis and Design skills.

I will be available to you if you have questions or concerns.

I will respond to emails within 48 hours. Unless clearly communicated differently.

I will respond thoughtfully and critically to your comments, questions, and written assignments.

I will evaluate your coursework in a timely manner and will communicate to you when you should expect your grade on a particular assignment.

**Participation, Conduct, and Netiquette**

SPC has outlined expectations for student behavior and interaction for online discussions, email, and other forms of communication. View the Student Expectations in [How to Be a Successful Student](https://go.spcollege.edu/Addendum/).

**Academic Honesty**

View the [Academic Honesty Policy](https://go.spcollege.edu/AcademicHonesty/).

**Copyright**

Copyrighted material within this course, or posted on this course website, is used in compliance with United States Copyright Law. Under that law you may use the material for educational purposes related to the learning outcomes of this course. You may not further download, copy, alter, or distribute the material unless in accordance with copyright law or with permission of the copyright holder. For more information on copyright visit: [Copyright.gov](http://www.copyright.gov/).

**STUDENT SURVEY OF INSTRUCTION**

The Student Survey of Instruction is administered in courses each semester. It is designed to improve the quality of instruction at St. Petersburg College. All student responses are confidential and anonymous and will be used solely for the purpose of performance improvement.

**TECHNOLOGY**

**Minimum Technology Requirements**

View the [Technical Requirements for MyCourses](https://mycoursessupport.spcollege.edu/technical-requirements-for-mycourses).

SPC offers Microsoft Office software to current students at no additional cost. The software is available for both Windows and Mac computers. View the [How to Download Microsoft Office 2016](https://mycoursessupport.spcollege.edu/download-office-2016) tutorial.

**Minimum Technical Skills**

Specify the minimum technical skills expected of the learner: general and course-specific learners must have to succeed in the course.

Students should know how to navigate the course and use the course tools. Dropbox-style assignments may require attachments in either Microsoft Word (.doc or .docx) or Rich Text Format (.rtf), so that they can be properly evaluated. If an attachment cannot be opened by the instructor, students will be required to re-format and re-submit an assignment so that it can be evaluated and returned with feedback.

MyCourses tutorials are available to students new to this LMS and are located at the beginning of the course. Most features on MyCourses are accessible on mobile devices, although it is recommended that you use a computer for quizzes, tests, and essay assignments.

**Technical Support**

Technical support is available via the [Technical Support Desk Call Center](https://mycoursessupport.spcollege.edu/technical-support-desk-call-center).

**Accessibility of Technology**

* [MyCourses (Brightspace by Desire2Learn) Accessibility](https://www.d2l.com/accessibility/)
* [Turnitin Accessibility](http://turnitin.com/en_us/about-us/accessibility)
* [Google (YouTube) Accessibility](https://www.google.com/accessibility/)
* [Ensemble Accessibility](https://help.ensemblevideo.com/hc/en-us/articles/360000211806-Accessibility-Solutions)

**Privacy**

* [MyCourses (Brightspace by Desire2Learn) Privacy](https://www.d2l.com/legal/privacy/)
* [Turnitin Privacy](http://turnitin.com/en_us/about-us/privacy)
* [YouTube Privacy](https://www.youtube.com/howyoutubeworks/policies/community-guidelines/)
* [Ensemble Privacy](http://www.ensemblevideo.com/company/policy.aspx)

**Instructional Continuity Plan**

To be prepared in the event of weather or other emergency disruptions, review the [Emergency Preparedness Procedures for Students](https://mycoursessupport.spcollege.edu/emergency-preparedness-procedures-for-students).

**SPC’s Student Assistance Program (SAP):** As an SPC student it's vital that you know Titans Care. You can access resources through SPC’s Student Assistance Program (SAP) (<https://www.spcollege.edu/current-students/student-affairs/student-support-resources/student-assistance-programs>[)](https://www.spcollege.edu/current-students/student-affairs/student-support-resources/student-assistance-programs), a collaborative resource for students with mental health or general life issues. SAP provides help and education in suicide prevention, mental health, substance abuse awareness and more. It is SPC’s belief that supporting mental wellness is everyone’s charge and that one loss as a result of substance abuse, mental illness, or suicide is one too many. If you or a loved one are considering suicide, please call the National Suicide Prevention Lifeline at 1-800-273-8255.

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