

# Sample Cybersecurity Camp Procedures, Forms and Tasks

Partial support for this work was provided by the National Science Foundation's Advanced Technological Education (ATE) program under Award No. 1104192. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.



## 2011-12 Cybersecurity Camp Tasks – NSF Grant

Task	Lead	Due
Prepare informational handout for partners		
Host coffee for principals of partner high schools		
Set dates for camp and competition		
Schedule information session for high-school instructors		
Develop 4 hands-on activities for high-school instructors		
Develop post evaluation tool for HS instructors info session		
Develop recruitment materials for camps		
Develop hands-on presentations for high schools		
Secure application online (ACEWARE, CE)		
Contact partner high schools and schedule presentations		
Conduct outreach		
Contact community groups focusing on diversity		
Design application process		
Develop ANGEL Classroom		
Select CIS college mentors		
Develop training session for CIS College mentors		
Develop student learning community activities		
Review applications and select camp participants		
Set up budget tracking spreadsheet		
Design t-shirts for camps		
Secure sponsorship for t-shirts		
Secure partial sponsorship/donation for lunch		
Order t-shirts, prize giveaways		
Develop registration forms/process		
Develop permission/release forms		
Notify participants		
Secure guest speakers		
Secure giveaway donations		
Secure competition judges		
Provide templates on how to complete financial aid forms and college applications		
Develop cybercamp activities and agenda		
Design 2 Path Of Studies for high-school students in STEM/CIS/IS		
Assemble participant packets (syllabus, schedule, additional reading)		
Create first-day program; organize information session for parents		
Create manual for cybercamps		
Create manual for utilizing/training peer mentors		
Secure a field trip		
Develop manual for cyber defense competitions		
Host cyber defense competition		
Meet with person contracted to do reporting		
Track expenditures		
Submit quarterly reports		

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Attend Whatcom Community College's

# CYBERSECURITY CAMP

For Whatcom County high school juniors and seniors who want to explore information security, a growing, high demand field in the U.S. and worldwide.

Learn through hands-on computer activities how cybersecurity professionals help protect information and information systems from unauthorized access, misuse, and destruction.

**Apply early!** The application is free but enrollment is limited. A small registration fee is required for students accepted into the program (see application details at the URL below). The application deadline is Thursday, November 15, 2012.

Why attend? Each camp is made up of six interactive sessions. Successfully complete all six sessions and you can:

- ▶ Earn a \$200 stipend
- ▶ Apply for credit for CIS 110 (Introduction to Security), a 3-credit core course in the Computer Information Systems program at WCC
- ▶ Meet with business and industry leaders in the technology field
- ▶ Learn about exciting career and educational opportunities in cybersecurity

## Winter 2013 Camp Session Dates

Saturdays, January 5, 12, 26, and February 2, 9, 23  
10:00 am to 3:00 pm, on the Whatcom campus

To apply to attend this camp or for more information,

Go to [www.whatcom.ctc.edu/cybercenter](http://www.whatcom.ctc.edu/cybercenter)

Email [cybercamp@whatcom.ctc.edu](mailto:cybercamp@whatcom.ctc.edu)

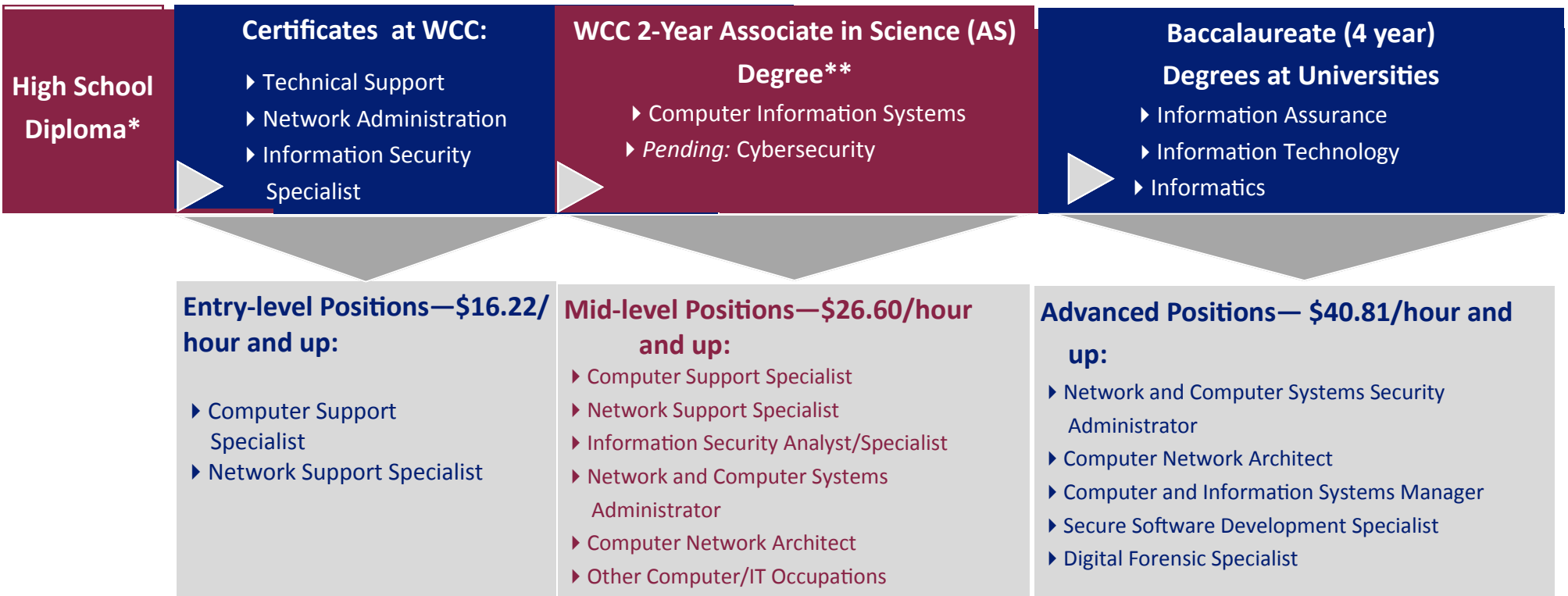
Call 360.383.3226



**Whatcom**  
COMMUNITY COLLEGE

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Sample Career and Educational Pathways in Computer Information Systems  
through  
Whatcom Community College  
As of January 2013



\*Through a Tech Prep articulation agreement , Mt. Baker High School students may earn 10 college credits by taking two WCC equivalent courses while at MBHS:  
CIS 105 Computer Operating Systems I (5 credits) \* CIS 206 Computer Support I (5 credits)

\*\*Students interested in knowing which courses or degrees transfer to their university of choice should consult with a WCC advisor to discuss options and map out their educational pathway .

<your logo here>

## Application Form

### XCC 201X Cybersecurity Camp Mentor

A completed application for the XCC 201X Cybersecurity Camp mentor is designed to help XCC determine which potential mentors will be best suited to work with high school students who are accepted into the 201X camp. Mentors will be selected by a small group of CIS faculty based on their application and grades.

**Expectations for mentors:** Because the paid mentor position is representative of XCC and is one of authority and responsibility, mentors who are selected will be expected to attend all camp sessions, follow directions as given by the Program Coordinator, and act in a professional manner at all times including in communications with camp participants both during and off hours from the camp sessions. Mentors are expected to behave similarly as they would in any job position they might fill in a company or organization.

**Application deadline:** Your complete type-written application is due to CIS Program Coordinator XXX no later than noon, October 17<sup>th</sup>, 2011. Mentor applicants will be notified if they are accepted by Friday, November 4<sup>th</sup>, 2011.

#### **Application check list:**

- Resume, including two or more references.
- Signed agreement for XCC to conduct a background check by the Washington State Patrol.
- Personal Statement (500 words or less). In your personal statement, please address the following items:
  - Why do you want to be a XCC Cybercamp mentor?
  - What qualities and skills would you bring to this position?
  - What previous experience do you have that will make you a successful mentor?

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## Application Form

### Cybersecurity Camps at XXX Community College

#### Winter/Spring 201X

Thank you for applying to XXX's 201X Cybersecurity Camps! Your application will be carefully considered by a selection committee made up of faculty from XXX Community College. Please complete the information listed below, and send it, plus all attachments, in one packet to the address listed at the end of this form. All information must be received at XXX Community College by (date). Once the committee has made their selection you will be contacted to let you know if you are accepted to this year's camp (allow 2 weeks for notification). Additional documents and information will be required to register for the camps. All information will be securely held.

#### 1. Your Information

Name: \_\_\_\_\_  
(First) (Middle Initial) (Last)

Your home address: \_\_\_\_\_  
(Street Address)  
\_\_\_\_\_  
(City, State and Zip Code)

Your age as of January 201X: \_\_\_\_\_

Phone number where we may contact you: \_\_\_\_\_

Email address where we may contact you: \_\_\_\_\_

Name of your high school: \_\_\_\_\_

Grade level you are in as of fall 201X: Junior ( ) Senior ( )

Your grade point average as of fall 201X: \_\_\_\_\_

Please list the computer operating system(s) that you use: \_\_\_\_\_

\_\_\_\_\_

#### 2. Attachments check list

- ( ) Your high school grade transcript (unofficial copy is OK)
- ( ) Completed questionnaire from a supporting teacher
- ( ) Your brief written essay (maximum 500 words) about why you would like to attend this camp. How does this program align with your future goals?

**Mail your application information, plus the attachments, by the due date, in one packet to:**

XXX Community College  
Attn: XXX  
Street Address  
City, State Zip

**Questions?** Email or call XXX at (email), phone number: (phone #)

## Supporting Teacher/Counselor Questionnaire

*Please have a teacher or counselor who knows about your skills and interests fill out this form, sign and date it. Please send in this form along with your application information by the deadline.*

Student's name: \_\_\_\_\_  
(First) (Last)

Teacher's/Counselor's name: \_\_\_\_\_  
(First) (Last)

Teacher's/Counselor's job title: \_\_\_\_\_

Teacher's/Counselor's phone number: \_\_\_\_\_

I have known this student for \_\_\_\_\_ months

I have had this student in my class? Y ( ) N ( ) If so which class? \_\_\_\_\_

I have read the information about XXX's 201X Cybersecurity camps and believe that the above named student would be a strong candidate to attend the camps. Following is a brief statement in support of his/her participation:

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Teacher's/Counselor's signature: \_\_\_\_\_ Date: \_\_\_\_\_



**Student Essay**

We at XXX Community College would like to know why you are interested in attending XXX's 201X Cybersecurity Camps. For example, you might describe how attending the camps will help you in your future educational or career interests. Please briefly describe, in 500 words or less, your interest on the page below. Please send in your essay, along with your personal application information and the supporting questionnaire from a teacher or counselor, to XXX Community College by the stated deadline. Thank you!! We hope to see you at XXX's Cybersecurity Camps.

Your name: \_\_\_\_\_

Date: \_\_\_\_\_

**Written essay (please type or hand write in printed, legible format):**

SAMPLE



<your logo here>

Date

Name  
Street  
City, State Zip

Dear First Name:

We are pleased to notify you that your application has been accepted for XXX Community College's Cybersecurity Camp. We received many excellent applications, more applications than we have seats available in the Winter 201X Camp. Congratulations for your successful application and admittance to Cybersecurity Camp!

In order to confirm your seat at Cybersecurity Camp, you will need to return your completed registration form, and registration fee, to WCC by XXX. Upon receipt of your completed registration form, and registration fee, we will mail you a receipt and registration confirmation. After XXX, unconfirmed seats will be offered to students on the waitlist. The first day of camp is XXX.

We are looking forward to your participation in the camp! If you have any questions, please contact me via phone or email.

Sincerely,

XXXXXXXX

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<your logo here>

Date

Name  
Street  
City, State Zip

Dear First Name:

**Congratulations!** Your application has been accepted for XXX Community College's Winter 201X Cybersecurity Camp. A packet will be mailed to you very soon that will include camp information, and steps for sending in your registration fee, which will confirm your spot.

We are looking forward to your participation in the camp. If you have any questions, please contact me via phone or email.

Sincerely,

XXX

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<your logo here>

Date

Name  
Street  
City, State Zip

Dear Name:

Thank you for your interest in XXX Community College's Cybersecurity Camp. The Winter 201X Camp is now full. Unfortunately, we cannot offer you a place in the Winter 201X camp at this time.

You may wish to apply to next year's Camp, and we encourage you to do so. We will send you a Camp announcement in late Summer or early Fall 201X when information about next year's Camp becomes available. You may also check our web site [www.XXX.ctc.edu/cybercenter](http://www.XXX.ctc.edu/cybercenter) for announcements in late Summer and early Fall 201X.

We hope you will continue exploring the exciting field of Cybersecurity in the future and continue to be interested in XCC's Cybersecurity Camps. Please call me at (phone #) or email me at [email address](mailto:email address) if you have any questions.

Sincerely,

XXX

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# Registration Form

## Cybersecurity Camp at XXX Community College: Winter 201X

**Instructions:** complete and update the information listed below. Return this form, along with your registration fee, in person, or in the enclosed postage-paid envelope to xxx, LDC 205. This registration form and your registration fee must be received at XXX Community College by Friday, January 6th, 2012 in order to confirm your seat in the camp. After January 6, unconfirmed seats will be offered to students on the waitlist. All information you provide will be stored securely to protect confidentiality.

### 1. Your Registration Information

Your name: \_\_\_\_\_ T-shirt size (circle one): S M L XL

Phone number where we may contact you with camp information: \_\_\_\_\_

Your email address for camp-related communications: \_\_\_\_\_

Your gender (required for grant reporting):  male  female

Your ethnic background (required for grant reporting):  
 African American  Asian / Pacific Islander  Hispanic  Native American  White  
 Other, or more than one ethnicity

### 2. Registration fee payment

The registration fee for Cybersecurity Camp is \$60. WCC has a small number of scholarships available for students on Free or Reduced Lunch programs at their high schools, to offset the cost of registration.

Please check the appropriate box below to determine your registration fee:

- I am paying the \$60 registration fee.
- I am on Free or Reduced Lunch program at my high school. I am requesting financial assistance, and I am paying a \$10 registration fee. I understand that the my participation in the Free or Reduced Lunch program will be verified with my high school, and that a scholarship award will be based on this verification.

**Instructions: make your check out to XXX Community College. Return this form, and enclose your check, in the postage-paid envelope, or drop-off in person, to:**

XXX Community College, Attn: XXX (Address).

**Your registration fee must be received at XXX Community College, with this registration form, by January 6.**

Questions? Email (email address), or call: (phone #).

### 3. Important Additional Information

Once your completed registration form and registration fee have been received by XCC, your seat will be reserved for participating in the Camp. However, please note that there are two additional pieces of information XCC will require:

- your signature on the Cybersecurity Camp Student Statement of Ethical Conduct document;
- your parent's or legal guardian's signature on a Cybersecurity Camp Permission Slip

You will be asked to sign the Cybersecurity Camp Student Statement of Ethical Conduct document when you come to the first camp session. You may bring the Cybersecurity Camp Permission Slip, signed by your parent/legal guardian, with you to the first day of camp. **You must turn in signed copies of the Ethical Conduct document and Permission Slip to XCC before you will be allowed to participate in the Camp.**

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## Cybersecurity Camp Student Statement of Ethical Conduct

All students using the CIS department computer labs (Baker 102 and Baker 103) are responsible for knowledge of and adherence to the following:

### Usage of computers in the CIS computer labs.

Students are expected to act in a responsible manner at all times in the labs and to follow the directions of their instructors.

- Internet access is provided for educational use only. Visiting websites (viewing or printing) of inappropriate nature or that may be considered offensive by other individuals is not considered acceptable use of this service in the CIS department.
- Sending/Posting harassing messages or repeatedly sending/posting unwanted messages (electronic or paper) to others is prohibited.
- You will not use network access to gain unauthorized access to any computer systems. You will not attempt to circumvent data protection schemes, violate software licensing agreements, or copyright laws.
- You **will not connect** any personal computer equipment to the college network, including computers in the CIS labs.
- CIS department computers will not be used for illegal or disruptive purposes. Examples of illegal or disruptive purposes include, but are not limited to:
  1. Intentional harassment of other users
  2. Intentional destruction of or damage to equipment, software, or data belonging to Whatcom Community College or other users
  3. Intentional disruption or unauthorized monitoring of electronic communications
  4. Intentional denial of services to users
- All existing laws (federal and state) and college regulations and policies apply, including not only those laws and regulations that are specific to computers and networks, but also those that may apply generally to personal conduct. Cybersecurity Camp participants are also required to adhere to their school district policy. Any misconduct will be reported to your school and will be cause for dismissal from the camp.

### Unless it is in the lab environment and the instructor has directed you to do so:

- You may not knowingly perform an act which will interfere with the normal operation of computers, terminals, peripherals, or networks. You may not knowingly copy, run, or install on any computer system or network or give to another user any program intended to damage or to place excessive load on a computer system or network. This includes but is not limited to viruses, Trojan horses, worms, and other malware.
- You will not attempt to intercept, analyze, record, or tamper with network data packets.

**Students will conduct themselves in accordance with the WAC 132U-120-050 Student Responsibilities section found on page 166 of the current catalog.** Specifically:

- Students will not engage in "disorderly, abusive, or bothersome conduct which interferes with the rights of others or which obstructs or disrupts teaching, research, or administrative functions." This includes cell phone use during camp time. Cell phones are to be off and out of sight during the camp sessions.

**Failure to abide by these policies will result in automatic failure in the camp and disciplinary action. You must sign this policy to remain in the camp.**

I have read the above and agree to comply with these policies.

Student Signature: \_\_\_\_\_ Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_



# Cybersecurity Camp Permission Slip

## Liability Release and Emergency Medical Treatment Agreement

### MEDICAL RELEASE ON BEHALF OF MINOR AND HOLD HARMLESS AGREEMENT

My son/daughter, \_\_\_\_\_, has my permission to attend the following camp at  
Print Name

XXX Community College: Cybersecurity Camp on 1/28, 2/4, 2/11, 2/25, 3/10, 3/17 2012  
Name of Camp Dates

I hereby authorize XXX Community College to procure medical or hospital care for my son/daughter in the event of injury or illness. I understand and agree that I am financially responsible for any care so procured.

I UNDERSTAND AND DO HEREBY AGREE TO ASSUME ALL OF THE RISKS AND OTHER RELATED RISKS WHICH MAY BE ENCOUNTERED BY MY SON/DAUGHTER PARTICIPATING IN THE ABOVE ACTIVITY.

I agree that I hereby hold harmless and waive any and all claims against XXX Community College, its staff, and leaders for any accident, bodily or personal injury, damage to or loss or theft of any property, illness, or death of any person, including without limitation demands, liabilities, damages, judgments, losses, costs, expenses and/or penalties, including attorneys' and consultants' fee and disbursements, which arise out of attending the above class.

I further state that I HAVE CAREFULLY READ THE FORGOING RELEASE AND KNOW THE CONTENTS THEREOF AND AM SIGNING THIS RELEASE AS AN ACT OF MY OWN FREE WILL. This is a legally binding agreement which I have read and understand.

\_\_\_\_\_  
Signature of parent or guardian Print Name Date

Daytime Contact Info: \_\_\_\_\_  
Cell phone Work Phone Home Phone

Spouse's name: \_\_\_\_\_ Daytime Phone: \_\_\_\_\_

Emergency contact person: \_\_\_\_\_ Phone: \_\_\_\_\_ Relationship: \_\_\_\_\_

Son/daughter's Physician: \_\_\_\_\_ Phone: \_\_\_\_\_

Medical coverage: \_\_\_\_\_ Group/ I.D. # \_\_\_\_\_

**Please note that our instructors and staff are not authorized to administer any medications to your son/daughter, whether prescribed or over the counter. If your son/daughter requires medication during class time, we request that a parent or authorized person come to class to administer as necessary.**

List any allergy, allergic reaction to food or drugs, and current medications of your son/daughter. Lunch will be provided to camp participants—please make certain to note any food allergies or restrictions below.

\_\_\_\_\_

Please list any special conditions or restrictions of your son/daughter (physical, emotional, behavioral) that our instructor needs to be aware of:

\_\_\_\_\_



<your logo here>

Date

First Name Last Name

The parents or guardian of (First Name) (Last Name)

Street

City, State Zip

Dear First Name:

Welcome to XXX Community College's Winter 201X Cybersecurity Camp! We are looking forward to your participation. Enclosed are some important details you will need to know:

**Winter 201X camp will be held on the following Saturdays at XCC:**

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Session 1: January 28 10:00 a.m. – 3:30 p.m. Meet in (location) for camp kick-off

*Note: Session 1 will include t-shirt and packet pick-up—please be on time! **Parents are invited to attend the camp kick-off, between 10:00 – Noon.** After check-in, there will be a general overview of the camp for students and parents. At 11:00 a.m., students will move into the (location) computer labs, and parents are invited to stay for a separate presentation on applying for college and financial aid in (location).*

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Session 2: February 4 10:00 a.m. – 3:30 p.m. Meet in Baker Hall at your assigned computer classroom

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Session 3: February 11 10:00 a.m. – 3:30 p.m. Meet in Baker Hall at your assigned computer classroom

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Session 4: February 25 10:00 a.m. – 3:30 p.m. Meet in Baker Hall at your assigned computer classroom

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Session 5: March 10 10:00 a.m. – 3:30 p.m. Meet in Baker Hall at your assigned computer classroom

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Session 6: March 17 10:00 a.m. – 3:30 p.m. Meet in Baker Hall at your assigned computer classroom

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*Note: Cyberdefense competition will be held on Day 6*

- Parking at XCC is free.
- Lunch will be provided at each camp session for Cybersecurity Camp students in Baker Hall, classroom 101 (BKR 101).
- If you have not already turned in your permission slip and ethics statement, please bring them to camp on January 28. **Note:** XCC must have your signed permission slip and ethics statement before you will be allowed to participate in the camp.
- Camp will include guest speakers and an online Angel classroom.

If you have any questions, please contact me via phone or email.

Sincerely,

XXX

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## Winter 201X Cybersecurity Camp Kick Off

Welcome to the first session of Cybersecurity Camp Winter 201X hosted by XXX Community College! We have an exciting program of six camp sessions lined up between now and XXX and we look forward to your participation. The field of cyber/information security is an exciting and important one...critical to our nation's economy and defense. We hope that this camp will further inform you about the many opportunities to further your education and future career in this field, if you so choose.

Today we are especially pleased to invite parents and guardians to participate in this kick-off session with students. Please relax, enjoy yourself, and ask us any questions you may have.

Sincerely,

Your (name of school) hosts:

CIS Program Coordinator and Principal Investigator: XXX

Cybersecurity Camp Lead: XXX

CIS Mentors: XXX, XXX, XXX, XXX, XXX, XXX, XXX, XXX and XXX

Director, Advising & Career Services: XXX

Administrative Support: XXX

### Cybersecurity Camp Program for (date)

**10:00 am** – Check-In at XXX

**10:15 am** – Opening Remarks, Introductions and Overview – (location)

**11:00 am** – Break Out Sessions

- Tour and lab orientation for students – (location)
- College resources overview for Parents/Guardians - (location)

**Noon** – Lunch for Camp Students – (location)

Guest speakers: XXX

**12:30 pm** – Workshop and labs for students – (location)

**3:00 pm** – Adjourn

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## Cybersecurity Camp Sponsors

XXX Community College [logo]

[XXX non-discrimination statement]

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## Supporting Organization

XXX [logo]

## Schedule of Winter 2012 Cybersecurity Camp Workshops

All 2012 Cybersecurity Camp #1 sessions are held on Saturdays from 10:00 am to 3:00 pm in (location) on XXX Community College's campus.

**January 28<sup>th</sup>** Camp Kick-Off

**February 4<sup>th</sup>** Networks

**February 11<sup>th</sup>** Operating Systems

**February 25<sup>th</sup>** Web

**March 10<sup>th</sup>** Application Security

**March 17<sup>th</sup>** Competition Day

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# Cybersecurity Camps: Questions and Answers

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## **What are XXX Community College (XCC) Cybersecurity Camps?**

XCC Cybersecurity Camps are focused learning activities that provide students a basic understanding of the components of a network, virtualization, connectivity, operating systems, network vulnerabilities, and an understanding of potential careers in cybersecurity, including educational pathways for success.

## **Who are the camps for?**

The Cybersecurity Camps are targeted at XXX County high school junior and senior students who have a strong interest in computers and a strong interest in exploring information security, which includes protecting information and information systems from unauthorized access, destruction, or misuse. These camps are intended to expose students to career options in information security, which is a growing and high-demand field in the U.S. and worldwide.

## **Where will the camps be located?**

Camps will be located at XXX Community College (XCC) in the Computer Information Systems (CIS) network and security lab, located at XXX.

## **When will the camps be held?**

The first camp will be held starting (date) and the second sometime in the fall/winter 201X-1X timeframe. Each camp is made up of 6 sessions. The camp session starting Winter 201X will be held on Saturdays, from 10:00 a.m. – 3:30 p.m. Session dates are as follows: Jan 28, Feb 4, Feb 11, Feb 25, March 10, March 17 – Cyberdefense competition

## **How do students apply?**

Information sessions for high school faculty, advisors and interested students will be held at local high schools October through November 2012. Information and applications will be made available at participating high schools and on XCC's website ([www.XXX.edu/cybercenter](http://www.XXX.edu/cybercenter)). All application packets are due by Thursday, December 1, 201X. Students must return their completed packets to XXX Community College.

## **How do students get selected?**

Students are selected through an application process. Selection will be based on GPA, stated goals, an essay, and teacher recommendation. Selections will be handled by a small committee of XCC faculty and administrators led by Principal Investigator (PI) XXX.

## **How much does it cost?**

While most of the expenses are covered by the National Science Foundation Advanced Technology Education Grant, there is a \$60 non-refundable charge for the camp. A limited number of partial scholarships will be available for low-income students to cover \$50 of this charge and help with transportation expenses. Students who attend will also receive a camp tee-shirt and lunch.

## **What are the benefits for students?**

Cybersecurity Camps will offer a unique opportunity for high school students to participate in hands-on cybersecurity learning activities in a growing and emerging high-demand field. High school students who attend all sessions and meet the expectations and requirements of the program will be eligible for the following:

- A \$200 stipend awarded to students who attend all six camp sessions and successfully complete all assignments,
- Opportunity to apply for credit for CIS 110 (Introduction to Security), a 3-credit core course in the CIS program at XCC,
- Opportunity to meet with business and industry leaders in the technology field.
- High school credit may be available—students should talk to their high school counselor for more information.

## **Who is the instructor for the camps?**

XXX, WCC Computer Information Systems Program Coordinator, will be instructing and overseeing the Cybersecurity Camps. Professor XXX has extensive experience in information security and holds several industry certifications

including the SANS certified incident handler and Cisco Certified Network Profession. Professor XXX is actively involved in Cyber Watch, an NSF funded project designed to develop security awareness, career pathways, professional development, and dissemination of best practices related to cybersecurity (<http://cyberwatchcenter.org>). Professor XXX is a member of the Operations Committee for the Pacific Rim Regional Cyberdefense Competition. In addition, XCC has been named a Center for Academic Excellence of Two Year Colleges in Information Assurance Education by the National Security Agency and the Department of Homeland Security as a result of Professor XXX's work. Professor XXX will be assisted with the camps by the XCC CIS Student Club – IT Professionals of Tomorrow.

### What will the participants be doing?

Please see the following table for the camps' learning activities.

Date	Session	Learning Activities	
		Instruction	Activities
Jan 28	1	<b>Overview of Course and Ethics</b> Careers in cybersecurity Introduction to virtualization Attackers and their attacks, examples of attacks SANS code of ethics	Configure a virtualization image Demonstration of an attack Examine a real life case Business guest speakers Information session for parents
Feb 4	2	<b>Networks</b> Components of a network How data travels through a network The Internet Types of networks	Set up a simple network Test connectivity using command line tools Intrusion detection using Snort Next steps and support in applying for Financial Aid and college.
Feb 11	3	<b>Operating Systems</b> Functions of an operating system Windows and Linux	Windows and Linux activity Secure a vulnerable machine activity Educational Pathways and Programs of Study
Feb 25	4	<b>Web</b> Web applications MySQL and php Vulnerabilities Countermeasures	Set up a LAMP server Web vulnerability demonstration
March 10	5	<b>Application Security</b> Examples of vulnerabilities in applications Countermeasures <b>Review and prepare</b> Practice run for securing network	Identify a vulnerability using the CVE list Protect network from WCC student red team Earn points from WCC student judges
March 17	6	<b>Competition Day</b> Teams of 4 students each	Whatcom red team and industry personnel

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