



## Next Steps In Your Cybersecurity Journey

Research and explore the various programs at post-secondary institutes found on your island and make a plan to enroll.

There is a high demand for Information Security Analysts across the country as analysts are needed to prevent hackers from stealing critical information or causing problems for computer networks. Visit the [U.S. Bureau of Labor Statistics](#) for Information Security Analysts for more information.

### **Checklist Guide**

This is a rough outline of recommended steps for high school students on their journey through high school to the first steps to attending college/university. You are free to use all or part of this checklist to keep you on track. Add whatever information you find on your journey, this is just the beginning!

#### **Overall Checklist:**

- Take four years of math and science courses in high school
- Build a working study habit
- Talk with your counselor about financial aid for Dual Credits programs during high school and your future college career

#### **9th Grade:**

- Meet with your counselor and plan for your high school goals. This includes what required courses you need to take as well as what electives best suit your goals and to meet the graduation requirements
- Ask your counselor what Advanced Placement (AP) courses are available, what it covers the requirements, and if you are eligible to enroll in the course.
- Look for clubs/activities in or outside of school that engage with your interests and cybersecurity
  - Schools might join national organizations such as CyberPatriot or have their own in-school clubs
  - Join clubs/activities that interest you to build your skills in communication, teamwork, problem solving, innovation, etc.)
- Start to learn about financial literacy

#### **10th Grade:**

- Check-in with your high school counselor to make sure you are on the right track to graduating
- Consider taking the [Preliminary SAT/National Merit Scholarship Qualifying Test \(PSAT/NMSQT\)](#), or check out the [ACT Aspire exam sandbox](#)
- Research upcoming AP courses available that go hand-in-hand with cybersecurity
- Start researching the majors available at Hawaii colleges and universities (below)



- ❑ Look at possible summer courses offered by educational institutions, schools, and local companies
- ❑ Look for potential internship opportunities

### **11th grade:**

- ❑ Check-in with your counselor to make sure you are taking the appropriate courses
- ❑ Talk with mentors (teachers, club advisors, supervisor, etc) and ask if they would be willing to write a letter of recommendation to attach to scholarships and admissions
- ❑ Take the PSAT/NMSQT in order to qualify for scholarships
- ❑ Research what types of exams (SAT/NMSQT/ACT) are required for admission to your colleges of choice
- ❑ Start looking for scholarship opportunities
  - Watch for scholarship scams and identity theft:  
<https://studentaid.gov/resources/scams>
- ❑ Request information from the colleges; ask about deadlines, admissions, and financial aid requirements and information
- ❑ Plan for college visits (in-person or virtually) dates, if possible
- ❑ Look for potential internship opportunities

### **12th Grade:**

- ❑ The [FAFSA](#) opens October 1 every year. You should submit your completed FAFSA as soon as possible
- ❑ Register for required exams on time and study for exams (SAT/NMSQT/ACT) required to complete your admission requirements
- ❑ Apply for the colleges you have chosen before the application deadline
  - ❑ If you need letter of recommendations for scholarships or applications, be sure to give your mentors enough notice and time to finish their letters
- ❑ Look for potential internship opportunities



## Resources

1. Dual Credit Programs - These programs allow you to take college courses while still in high school; some courses can be used as graduation requirements for high school as well. Check with your high school counselor to see the options available to you.

\*Scholarships are also available to students who meet the requirements.

- a. [Early College](#)
  - b. [Running Start](#)
  - c. [Jump Start](#)
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2. Hawaii universities and colleges (public and private schools)
    - a. University of Hawaii campuses - Every UH campus offers at least one program that can jumpstart your cybersecurity career.
      - i. UH Manoa:
        1. [Information and Computer Sciences](#)
        2. [Computer Engineering](#)
        3. [Shidler College of Business](#)
      - ii. UH Hilo
        1. [Computer Science](#)
      - iii. UH Maui College:
        1. [Applied Technology and Information Technology](#)
        2. [Electronic & Computer Engineering Technology](#)
        3. [Engineering Technology](#)
      - iv. UH West Oahu:
        1. [Information Security Assurance](#)
        2. [Information Technology](#)
      - v. Hawaii Community College:
        1. [Electronics Technology](#)
        2. [Information Technology](#)
      - vi. Honolulu Community College:
        1. [Computing, Science, and Networking Technology](#)
      - vii. Kapiolani Community College:
        1. [Information Technology](#)
      - viii. Kauai Community College:
        1. [Electronics Technology](#)
      - ix. Leeward Community College:
        1. [Info & Computer Science](#)
      - x. Windward Community College:
        1. [Information and Computer Science](#)
    - b. [Hawaii Pacific University](#)
    - c. [Chaminade University of Honolulu](#)
    - d. [Brigham Young University-Hawaii](#)
    - e. [University of Phoenix](#)