



# CIAT

CALIFORNIA INSTITUTE OF APPLIED TECHNOLOGY

# EARN YOUR DEGREE IN CYBERSECURITY

## Applied Bachelor's Degree in Computer Information Systems - Cybersecurity Concentration

### Program Overview

Employers demand more than just a degree, and so should you. Build a strong foundation of hardware, software, networking, server and cloud administration skills to launch your IT career, then learn what it takes to detect, manage, and prevent cyber-attacks with advanced-level courses to specialize your career in the growing field of cybersecurity. Earn the most in-demand cybersecurity certifications along the way, such as CompTIA Security+, CISSP, Certified Ethical Hacker, and more. Build your confidence and learn career-ready, hands-on skills, with our unique at-home Build Your Own Computer and networking kits to complement your virtual class instruction and virtual labs.



**35 Courses**



**130 Credits**



**3.5 Years**

**75%** Technical Courses **25%** General Education Courses

### Entry Requirements:

High School Diploma or GED \*Transfer credits may be accepted.

### Available Scholarships:

**CIAT Bachelor's Scholarship**, up to \$15,000

### Degree + Certifications

Employers in this field expect more than just a degree.

**Earn up to 14 industry certifications along the way!**

- ✓ **Complimentary exam vouchers**
- ✓ **Unlimited exam attempts\***
- ✓ **Test preparation software**



### CIAT Virtual Classroom



#### Additional Student Resources

Learn to build your own computer at home in CIAT's foundational courses with At-Home Computer Build Kits. Students also benefit from a Networking Kit, Virtual Cloud Labs, and Cisco Modeling Labs.



#### Accelerated, Immersive Online Courses

Our rapid, 5 week courses allow students to learn and earn skills that will help them reach new heights.



#### Personalized Guidance

We provide our students with dedicated one-on-one support and personalized career services to ensure they are successful academically and professionally.



We have high standards and we believe you should too. CIAT has proudly earned accreditation from the Accrediting Council for Continuing Education & Training (ACCET) listed by the U.S. Department of Education as a nationally recognized accrediting agency.

Contact Us



(877) 559-3621



ciat.edu



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# Award-Winning Cybersecurity Degrees

CIAT has been awarded top ranking status in Intelligent.com's Best Cybersecurity Program review, highlighted as "Best For Industry Certifications".



## 2-Step Cybersecurity Bachelor's Degree

CIAT's 2-step Associate to Bachelor's IT Degree path helps you build your new career and grow your resume while completing your degree. Whether you're planning your first career step or advancing your skillset to the next level, CIAT's comprehensive Associate to Bachelor cybersecurity specialization track provides a launch pad to design your unique cybersecurity career path.

This scenario gives you a snapshot of what a career in cybersecurity could look like. From your first class, through graduation and beyond, CIAT is with you every step of the way.

### Potential Cybersecurity Career Path

#### Entry Level Positions | 1 - 4 years

- Security Analyst, \$70,000-\$100,000
- Network Security Administrator, \$70,000-\$100,000
- Compliance Analyst, \$70,000-\$100,000
- Incident Reporter, \$75,000-\$115,000



#### Mid Level Positions | 3 - 7 years

- Penetration Specialist (Ethical Hacker), \$85,000-\$130,000
- Security Consultant, \$80,000-\$120,000
- Malware Analyst, \$80,000-\$120,000
- Security Engineer, \$90,000-\$130,000



#### Senior Level Positions | 5 - 10+ years

- Cybersecurity Architect, \$120,000-\$160,000
- Chief Information Security Officer, \$150,000-\$250,000



## Financial Aid Options

### Federal Grants & Loans

- FAFSA (Associate Only)\*

### Military Benefits

- Post 9/11 GI Bill® Benefits\*
- Yellow Ribbon Program
- Active Duty Tuition Assistance
- Military Spouse Funding (MyCAA)
- Vocational Rehab & Employment

### Private Loans

- Sallie Mae
- Flexible monthly payment plans

### Scholarships

- Merit-based & Financial Need Scholarships
- CIAT Bachelor's Scholarship
- Industry Scholarship
- Women in Tech Scholarship

**CIAT Bachelor's Scholarship**, up to \$15,000

**TUITION: \$85,800 - 15,000 = \$70,800**

To ensure the best completion outcomes, CIAT delivers this degree using a 2 + 2 approach, facilitating students to earn an Associate of Applied Science in Computer Information Systems (or equivalent transferable Associates level degree) prior to taking upper division courses. FAFSA eligibility is currently restricted to Step 1 (Associate's level) of the 2 Step Associates to Bachelor's path.

\* Salaries based on payscale.com. Salaries listed are national averages and can vary significantly based on geographic location. Certain sectors, like finance and healthcare, may offer higher salaries. Having certifications can positively impact earning potential. This field is continually evolving, so staying updated with trends and technologies is crucial. Some positions may require up to 5 years of prior IT experience and a Bachelor's degree or higher.

• GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at <https://www.benefits.va.gov/gibill>. CIAT is approved to offer VA benefits. \*Financial aid is available for those who qualify. \*Students are encouraged to take certification exams while actively enrolled in their Certificate or Degree program. Unlimited certification exam attempts expire 180 days after graduation. Select exams are not eligible for unlimited retakes - see certification exam policy for details. Certifications or courses may change to address industry trends or improve quality.



## Graduation Requirements

All students enrolled in any of the Computer Information Systems (CIS) programs are required to earn one or more industry certifications depending on the program. Students can earn any of the offered certifications to meet these requirements, allowing you to choose the certifications that best align with your career goals.

We at CIAT do everything we can to help you study for a prepare for your certification exams. This includes a one-of-a-kind unlimited certification exam policy, allowing you peace of mind to take the exam as many times as needed. We also offer certification exam practice software, live online small group workshops, complimentary bootcamps, live one-on-one tutoring and additional resources.

*\*Most exams in the CIAT curriculum are included in our unique Unlimited Certification Exam Policy. A few exclusions do apply.*

Program	1 Industry Certification	2 Industry Certifications	3 Industry Certifications
Certificate in Computer Information Systems			
Associate of Applied Science Degree in Computer Information Systems			
Applied Bachelor's Degree in Computer Information Systems			

The benefits of earning industry certifications extend far beyond show casing your knowledge. Employers hiring for IT positions today demand more than a degree, they expect candidates to come with resumes stacked with industry certifications. Getting certified help you stay ahead of your competition, position yourself for higher salaries, and demonstrate to your employer that you have the skills needed for the job.



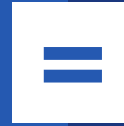




**Degree**



**Certifications**



**Student Success**

## The 3 Steps to Student Success:

Employers hiring for IT positions today demand more than a degree, they expect candidates to come with resumes stacked with industry certifications. Getting certified helps you stay ahead of your competition, position yourself for higher salaries, and demonstrate to your employer that you have the skills needed for the job. At CIAT, we do everything we can to help you get certified, which includes extending our one-of-a-kind unlimited certification policy to all eligible, active students.

**1**

### Coursework

Learn from industry-certified instructors through live classes and hands-on labs. Build your technical skills and conquer the technical concepts before you prepare for the exam.

### Study for Certification Exam

Our most successful students study several hours each week on top of their coursework to prepare for certification exams. CIAT provides complimentary 4 day bootcamps during term breaks, practice exam software, workshops, and live test prep tutoring for all students.

**2**

**3**

### Pass Certification Exam

Once you reach 90% or higher on two practice exams, you are ready to take the exam. You will receive a voucher from CIAT, schedule your exam, and report your results to CIAT. If you fail your exam, CIAT offers an unlimited certification exam policy to all eligible students for up to 180 days after graduation to take the exam as many times as needed in order to pass.

*\*Most exams in the CIAT curriculum are included in our unique Unlimited Certification Exam Policy. A few exclusions do apply.*



## Why Earn Industry Certifications?

Employers hiring for IT positions today demand more than a degree, they expect candidates to come with resumes stacked with industry certifications. Getting certified helps you:

- Enhance your resume
- Be more competitive in the job market
- Earn higher salaries
- Demonstrate your skills and value to your employer

## The CIAT Approach:

Industry certification exams are difficult exams, and many students do not pass on their first attempt. To help student success rates, we encourage all students to study several hours each week on top of their courses and take advantage of CIAT's complimentary support and unlimited number of exam vouchers. CIAT offers:

- Certification workshops
- Complimentary 4 day bootcamps during term breaks
- Live test prep tutoring
- Practice exam software
- Unlimited certification exam policy



## Industry Certifications:

Applied Bachelor's Degree in Computer Information Systems - Cybersecurity Track


**APPLIED BACHELOR'S DEGREE IN COMPUTER INFORMATION SYSTEMS (BACIS) - CYBERSECURITY TRACK**

<b>PROGRAM ID</b>	#BACIS
<b>LENGTH</b>	175 Weeks, SOC Code: 11-3021
<b>CREDITS</b>	130 Credits (750 Lab Hours; 1575 Lecture Hours)

**ASSOCIATE DEGREE - CORE COURSES**

48 SEMESTER CREDITS REQUIRED

<b>ID</b>	<b>CLASS</b>	<b>CREDITS</b>
<b>CIS100A</b>	Computer Fundamentals	<b>4</b>
<b>CIS100B</b>	Tech+ Fundamentals	<b>4</b>
<b>CIS154</b>	Windows Fundamentals	<b>4</b>
<b>CIS101A</b>	Computer Hardware Fundamentals	<b>4</b>
<b>CIS101B</b>	Computer Operating Systems	<b>4</b>
<b>CIS102A</b>	Networking Fundamentals, Part 1	<b>4</b>
<b>CIS102B</b>	Networking Fundamentals, Part 2	<b>4</b>
<b>CIS120A</b>	Cybersecurity Fundamentals, Part 1	<b>4</b>
<b>CIS120B</b>	Cybersecurity Fundamentals, Part 2	<b>4</b>
<b>CIS130</b>	Azure Cloud Fundamentals	<b>4</b>
<b>CIS131</b>	Azure Cloud Administration	<b>4</b>
<b>CIS132</b>	AWS Foundations	<b>4</b>

**BACHELOR DEGREE - CORE COURSES**

24 SEMESTER CREDITS REQUIRED

ID	CLASS	CREDITS
CIS230A	Introduction to Linux	4
CIS230B	Linux Administration	4
CIS270A	Cisco Networking, Part 1	4
CIS270B	Cisco Networking, Part 2	4
CIS280A	DevNet Associate, Part 1	4
CIS280B	DevNet Associate, Part 2	4

**BACHELOR DEGREE - CYBERSECURITY CONCENTRATION ELECTIVES**

28 SEMESTER CREDITS REQUIRED

SEC340A	Certified Ethical Hacker, Part 1	4
SEC340B	Certified Ethical Hacker, Part 2	4
SEC350A	Advanced Network Security CISSP, Part 1	4
SEC350B	Advanced Network Security CISSP, Part 2	4
CLD331	AWS Security Foundations	4
CLD332	Microsoft Azure Security Technologies	4
CSP400	Cloud Security Project*	4

\*Course order will vary. Students are required to complete a total of 28 credits, including the required Cloud Security Project.

**BACHELOR DEGREE - GENERAL EDUCATION COURSES**

30 SEMESTER CREDITS REQUIRED

**ENGLISH LANGUAGE, COMMUNICATION AND CRITICAL THINKING**

6 SEMESTER CREDITS MINIMUM REQUIRED

ENG200	Technical Writing	3
ENG201	Science Fiction and Technology	3

<b>ENG210</b>	Public Speaking	<b>3</b>
<b>MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING</b> 7 SEMESTER CREDITS MINIMUM REQUIRED		
<b>MTH105</b>	College Algebra	<b>3</b>
<b>MTH201</b>	Pre-Calculus	<b>4</b>
<b>MTH205</b>	Calculus 1	<b>4</b>
<b>ARTS AND HUMANITIES</b> 6 SEMESTER HOURS MINIMUM REQUIRED		
<b>AHS305</b>	Technology, Society, and Culture	<b>3</b>
<b>AHS310</b>	Professional Practice in Ethics	<b>3</b>
<b>SOCIAL AND BEHAVIORAL SCIENCES</b> 3 SEMESTER HOURS MINIMUM REQUIRED		
<b>SBS110</b>	Introduction to Psychology	<b>3</b>
<b>SBS120</b>	Sociology	<b>3</b>
<b>PERSONAL AND PROFESSIONAL DEVELOPMENT</b> 5 SEMESTER HOURS MINIMUM REQUIRED		
<b>PPD300</b>	Critical Thinking and Problem Solving	<b>3</b>
<b>PPD305</b>	Career and Technology	<b>2</b>
<b>PERSONAL AND PROFESSIONAL DEVELOPMENT</b> 5 SEMESTER HOURS MINIMUM REQUIRED		
<b>SCI120</b>	General Biology	<b>3</b>
<b>SCI130</b>	Principles of Chemistry	<b>3</b>

Graduation requirements:

- 80% or higher cumulative attendance
- 2.0 or higher cumulative GPA
- 3 industry certifications earned



## **ACCREDITATION, APPROVALS AND AFFILIATIONS**

CIAT is accredited by the Accrediting Council for Continuing Education and Training (ACCET). ACCET is listed by the U. S. Department of Education as a nationally recognized accrediting agency.

BPPE Approval California Institute of Applied Technology is a private institution approved to operate by the California Bureau for Private Postsecondary Education. Approval to operate means the institution is compliant with the minimum standards contained in the California Private Postsecondary Education Act of 2009 (as amended) and Division 7.5 of Title 5 of the California Code of Regulations.

California Institute of Applied Technology is a private institution officially authorized to operate by the New Mexico Higher Education Department. This approval signifies that we adhere to the department's minimum standards for operation.

## **CREDIT SYSTEM**

Credit Hour Definition: One credit hour is equivalent to one hour of classroom instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time.

## **COURSE NUMBERING SYSTEM**

100-299: Lower-Division Undergraduate Courses 300-499: Upper-Division Undergraduate Courses