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***

CompTIA · Cisco · Microsoft · amazon web services · EC-Council · ISC2

CIAT Virtual Classroom

Personalized Learning

Small class sizes led by industry experts for a hands-on personalized learning experience

Accelerated, Immersive Online Courses

Accelerated 5-week live immersive classes keep you focused on learning one topic at a time.

Real-World Career Preparation

Classes are designed to boost your technical confidence and ensure you graduate career-ready.

CIAT has earned the prestigious CAE-CD designation from the NSA's National Centers of Academic Excellence in Cybersecurity (NCAE-C)

ACCET

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 | info@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

* 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.

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

Employer Benefits

- CIAT Workforce Grant
- CIAT Tuition Match

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

ACCET has initiated a pilot to accredit applied bachelor's degree programs. Full bachelor's-level accreditation is pending Department of Education approval. All other programs remain ACCET-accredited. Title IV eligibility is currently limited to lower-division (associate-level) coursework within the 2-Step Associate-to-Bachelor's pathway. Alternative financing options are available.

- 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.

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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.

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Earn More Than a Degree with Industry Certifications

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.*

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Earn More Than a Degree with Industry Certifications

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

CompTIA Tech+	CompTIA A+	CompTIA Network+	CompTIA Security+	Microsoft Certification Exam AZ-900	Microsoft Certified Azure Administrator Associate	aws certified Cloud Practitioner
CompTIA Linux+	Cisco Certified CCNA	Cisco Certified DEVNET Associate	aws certified Security Specialty	Microsoft Certified Azure Security Engineer Associate	CEH Certified Ethical Hacker	CISSP

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APPLIED BACHELOR'S DEGREE IN COMPUTER INFORMATION SYSTEMS (BACIS) - CYBERSECURITY TRACK	
PROGRAM ID	#BACIS
LENGTH	175 Weeks
CREDITS	130 Credits (750 Lab Hours; 1575 Lecture Hours)

ASSOCIATE DEGREE - CORE COURSES

48 SEMESTER CREDITS REQUIRED

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

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	CCNA Automation Part 1	**4**
CIS280B	CCNA Automation 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**
OR		
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 CSP400. CLD331 - CLD335 require prerequisite completion of CIS130, CIS131, CIS132 and CIS133.

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**

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

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