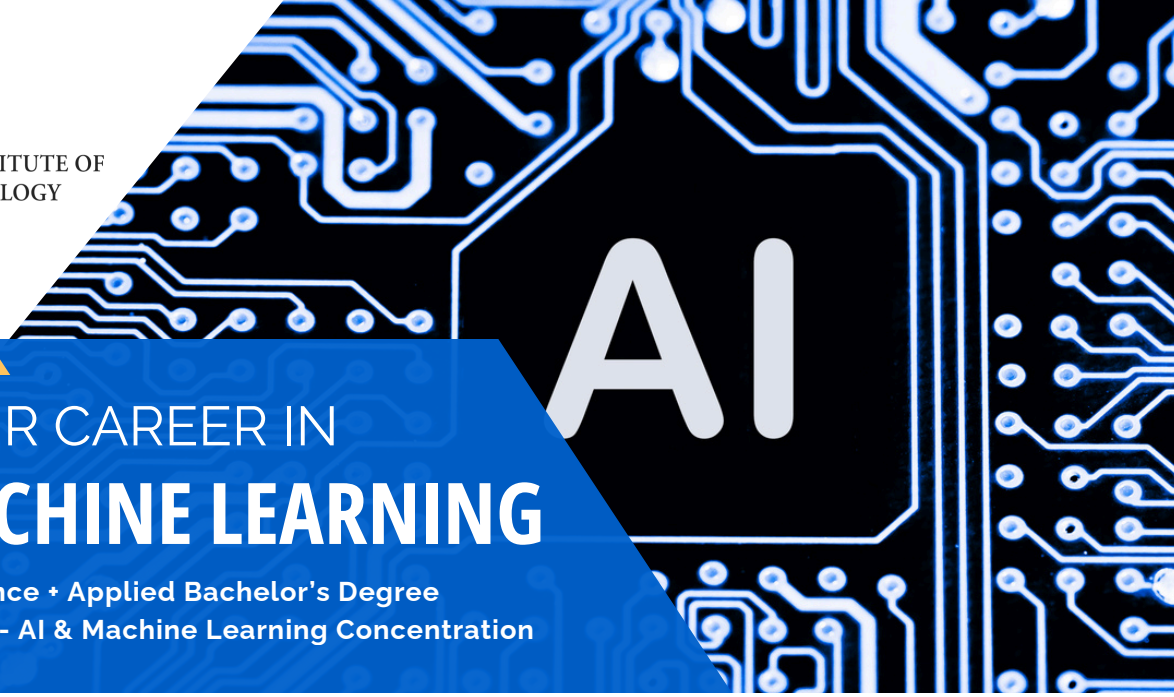
CIAT
CALIFORNIA INSTITUTE OF APPLIED TECHNOLOGY



LAUNCH YOUR CAREER IN
AI AND MACHINE LEARNING

Associate of Applied Science + Applied Bachelor's Degree in Software Development - AI & Machine Learning Concentration

Program Overview

Artificial intelligence and machine learning are transforming every industry, creating unprecedented demand for professionals who can build, deploy, and integrate AI solutions into real-world applications. In this 2-step career-focused degree path, master modern software development practices and leverage cutting-edge AI/ML technologies through 5 specialized courses integrated with core programming training. Gain hands-on experience with Python, neural networks, natural language processing, and AI model deployment; skills that position you for emerging roles including AI Developer, Machine Learning Engineer, and ML Operations Specialist, with personalized career support to help you transition into high-demand positions at the forefront of technology innovation.

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 The Skills & Certifications You Need For A Rewarding Career In Software Development:***

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

python | Java | React Native | SQL | CCNA

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.

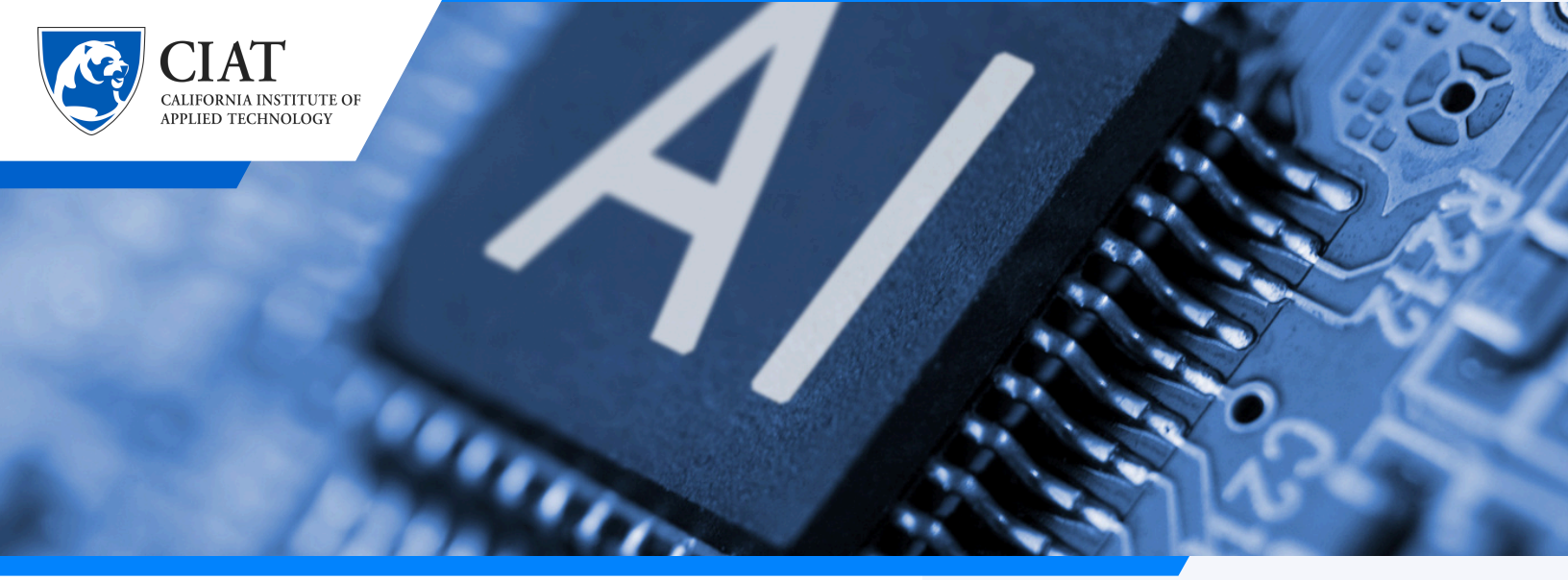
ACCET

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

CIAT
CALIFORNIA INSTITUTE OF APPLIED TECHNOLOGY



Your First Step Towards a New Career

Our 2 + 2 Associate to Bachelor degree path gives you key milestones to transition into the workforce early while completing your degree. Gain exposure to tools, programming languages, and database platforms used by web and software developers in the IT field in your lower division Associate level courses, and deep dive into advanced topics with your upper division Bachelor level courses.

Our Career Services team will support you with personalized career coaching, resume building, and job placement assistance, so you can learn how to present your skills effectively to employers and break into the field. Your unique coding portfolio will help validate your skills to employers and help you stay one step ahead of your competition.

Our Career Services Team

Who We Are
We are a team of dedicated professionals with extensive experience in career advising and development.

Why We're Different
We offer personalized career support designed to meet your unique needs. We prioritize relationship-building and offer ongoing support at every stage of your career journey.

How We Help
We offer a wide range of services including resume writing, interview preparation, career exploration, and more.

Our Goal
To empower our students for lifelong career success by providing comprehensive support and resources for their professional development.

- 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.

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

*This program is currently pending VA and Title IV approval

Employer Benefits
- CIAT Workforce Grant
- CIAT Tuition Match

Scholarships
CIAT Bachelor's Scholarship, up to $15,000

- Cost Per Credit: $660
- Total Credits: 130
- Total Tuition: $85,800

CIAT has awarded over $5M in scholarships.
One could be yours. See if you qualify.

- Your final tuition cost will vary based on credits transferred from other institutions, and potential scholarships applied. Our Admissions and Financial Aid team will prepare a personal financial aid projection with tips on how to maximize your educational investment, plan your ROI, and reduce out of pocket expenses.

- 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.

Contact Us
(877) 559-3621
ciat.edu
info@ciat.edu

CIAT
CALIFORNIA INSTITUTE OF APPLIED TECHNOLOGY

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 do not pass on your first try, 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.*

Contact Us

(877) 559-3621 ciat.edu info@ciat.edu

CIAT
CALIFORNIA INSTITUTE OF APPLIED TECHNOLOGY

Earn More Than a Degree with Industry Certifications

Why Earn Industry Certifications?

Employers hiring for 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:

Associate of Applied Science + Applied Bachelor's Degree in Software Development - AI & Machine Learning Concentration

aws certified AI Practitioner FOUNDATIONAL	Microsoft CERTIFIED AZURE AI FUNDAMENTALS	CISCO CERTIFIED CCNA Automation

Contact Us

(877) 559-3621 ciat.edu info@ciat.edu

APPLIED BACHELOR'S DEGREE IN SOFTWARE DEVELOPMENT (BASD) - AI & MACHINE LEARNING TRACK	
PROGRAM ID	#BASD-AI
LENGTH	175 Weeks
CREDITS	130 Credits (750 Lab Hours; 1575 Lecture Hours)

Students interested in the Applied Bachelor's Degree in Software Development - Software Development Track, must follow this two step enrollment path.

- Step 1: Enroll and graduate from CIAT's Associate of Applied Science in Software Development.
- Step 2: Once graduated from the associate program, students can transfer into the Bachelors Degree in Software Development, with a concentration in Software Development.

The following courses are the education plan for the Associate of Applied Science in Software Development.

ASSOCIATE DEGREE - CORE COURSES		
ID	**CLASS**	**CREDITS**
ASD101A	Python Fundamentals, Part 1	**4**
ASD101B	Python Fundamentals, Part 2	**4**
ASD102A	Web Development with HTML, CSS, JavaScript, Part 1	**4**
ASD102B	Web Development with JavaScript, jQuery, Part 2	**4**
ASD103A	Object-Oriented Data Structures using Python, Part 1	**4**
ASD103B	Object-Oriented Data Structures using Python, Part 2	**4**
ASD104A	Modern Frameworks, Part 1	**4**
ASD104B	Modern Frameworks, Part 2	**4**
ASD105	Linux Administration and Shell Scripting	**4**
ASD106	Windows & PowerShell	**4**
ASD107A	Foundations of Software Engineering, Part 1	**4**
ASD107B	Foundations of Software Engineering, Part 2	**4**

ASSOCIATE DEGREE - GENERAL EDUCATION COURSES		
ID	**CLASS**	**CREDITS**
ENG	Science Fiction and Technology, Technical Writing, or Public Speaking	**3**
MTH	College Algebra or Statistics	**3 - 4**
MTH	Pre-Calculus, Calculus 1, or Calculus 2	**4**
SBS	Psychology, Sociology, or Economics	**3**
SCI	Chemistry, Biology, or Physics	**3**

*Course order will vary. If credits are not fulfilled, GE courses are required throughout your program, cannot be pushed to the end of the program, and will be scheduled based on availability.

Once graduated from the Associate of Applied Science in Software Development, students can transfer into the Bachelor's program with the following education plan.

BACHELOR DEGREE - CORE COURSES		
ID	**CLASS**	**CREDITS**
ASD261	Application Security	**4**
ASD262	Java Programming	**4**
ASD263	SQL and Database Management	**4**
ASD264	Coding with AI	**4**
CIS280A	CCNA Automation, Part 1	**4**
CIS280B	CCNA Automation, Part 2	**4**
BACHELOR DEGREE - AI & MACHINE LEARNING CONCENTRATION ELECTIVES		
DAP300A	Python for Data Analysis, Part 1	**4**
DAP300B	Python for Data Analysis, Part 2	**4**
CAI102	Introduction to Predictive Artificial Intelligence	**4**
CAI103	Natural Language Processing and Agentic AI	**4**

CAI104	Introduction to Generative Artificial Intelligence	**4**
CAI105	Azure AI Fundementals	**4**
CAI400	AI & Machine Learning Senior Project	**4**
BACHELOR DEGREE - GENERAL EDUCATION COURSES		
ENG	Literature, Technical Writing, or Public Speaking	**3**
AHS305	Technology, Society and Culture	**3**
AHS310	Professional Practice in Ethics	**3**
PPD300	Critical Thinking and Problem Solving	**3**
PPD305	Career and Technology	**2**

Graduation requirements:

- 80% or higher cumulative attendance
- 2.0 or higher cumulative GPA