



CIAT

CALIFORNIA INSTITUTE OF
APPLIED TECHNOLOGY

LAUNCH YOUR CAREER IN DATA ANALYTICS

Associate of Applied Science + Applied Bachelor's Degree
in Software Development - Data Analytics

Program Overview

Data collection and usage are on the rise, creating a growing demand for businesses to store, extract, and analyze information to run daily operations and stay ahead of their competition. In this 2-step career-focused degree path, learn how to manage data-centric project lifecycles, land the industry certifications to boost your resume, and receive personalized career support to help you transition into the field of data analytics. Build a competitive resume showcasing a strong foundation of technical skills, including Python, SQL, Tableau, and Power BI. This program prepares you for a variety of positions including Business Analyst, Data Analyst, Data Visualization Analyst, Insights Analyst, Program Analyst, and more.



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 Data Analytics:

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



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.



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



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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.

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.

* 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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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:

Associate of Applied Science in Business Data Analytics



APPLIED BACHELOR'S DEGREE IN SOFTWARE DEVELOPMENT (BASD) - DATA ANALYTICS TRACK

PROGRAM ID	#BASD-DA
LENGTH	175 Weeks, SOC Code: 15-1132, 15-1133
CREDITS	130 Credits (750 Lab Hours; 1575 Lecture Hours)

ASSOCIATE DEGREE - CORE COURSES

ID	CLASS	CREDITS
BDA101A	Data Fundamentals, Part 1	4
BDA101B	Data Fundamentals, Part 2	4
BDA102A	Introduction to Databases, Part 1	4
BDA102B	Introduction to Databases, Part 2	4
BDA103A	Introduction to Data Visualization, Part 1	4
BDA103B	Introduction to Data Visualization, Part 2	4
BDA104	Introduction to Tableau	4
BDA105	Introduction to Power BI	4
ASD101A	Python Fundamentals, Part 1	4
ASD101B	Python Fundamentals, Part 2	4
BDA106A	Project Fundamentals, Part 1	4
BDA106B	Project Fundamentals, Part 2	4

ASSOCIATE DEGREE - GENERAL EDUCATION COURSES

ID	CLASS	CREDITS
ENG	Literature, 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.

BACHELOR DEGREE - CORE COURSES

ID	CLASS	CREDITS
ASD261	Application Security	4
ASD262	Java Programming	4
ASD263	SQL and Database Management	4
ASD264	AWS Cloud	4
CIS280A	DevNet Associate Part 1	4
CIS280B	DevNet Associate Part 2	4

BACHELOR DEGREE - DATA ANALYTICS CONCENTRATION ELECTIVES

DAP300A	Python for Data Analysis, Part 1	4
DAP300B	Python for Data Analysis, Part 2	4
DAP301A	Business Analytics, Part 1	4
DAP301B	Business Analytics, Part 2	4

DAP302A	R Programming for Data Analysis, Part 1	4
DAP302B	R Programming for Data Analysis, Part 2	4
DAP400	Data Analytics 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