



CALIFORNIA INSTITUTE OF  
ARTS & TECHNOLOGY



**JAN 1 - DEC 31**

# **2023**

## **COURSE CATALOG**

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## San Diego, California

*CIAT reserves the right to update school policies at its sole discretion if it believes that doing so will improve the quality of education and services to our students. New policies will be updated in the latest school catalog but may also be listed on the school website, LMS or in CIAT manuals. We highly suggest you refer to the latest catalog from the CIAT website rather than rely on print or electronic document versions that may be out of date. You can view our latest catalog at <https://www.ciat.edu/course-catalog/>*

2023\_Version 1

## Letter from the President / CEO

Welcome to California Institute of Arts & Technology (CIAT)!

CIAT's Degree and Certificate programs teach the skills and practical knowledge required to gain employment or advance in the field of Information Technology.

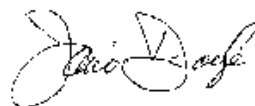
CIAT was established in 2008 and continues to innovate year after year. We strive to provide students with a unique and innovative approach to higher education – one that prepares you with the technical skills to meet the demands of today's competitive workforce.

As a small, fast-growing school, we pride ourselves in providing personalized attention and building thoughtful relationships with students to help you reach your career milestones.

As you are committed to improving your knowledge, skills, and career opportunities, we are committed to supporting you each day. We encourage regular feedback from students. Feel free to reach out to me directly if you have an idea that would support your academic goals or would like to pay a compliment to one of our team members: <feedback@ciat.edu>

Thank you for choosing CIAT! We will do everything in our power to assist you in achieving your goals.

Jamie Doyle



President/Founder



Jamie Doyle

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## OVERVIEW

### Why Choose CIAT?

Our college was built on the foundation of providing quality education and value to the student. Whether taken online or in a classroom, each course is designed to maximize the use of the latest technology to give you a more connected learning experience.

### CIAT Mission Statement

California Institute of Arts & Technology is committed to personalized service through comprehensive, innovative, and high-quality vocational programs that prepare students for a rewarding profession in growing career fields.

### Catalog

Any questions a student may have regarding this catalog or the institution, that have not been satisfactorily answered by the institution may be directed to the **Bureau for Private Post-Secondary Education at 1747 N. Market Blvd., Ste 225, Sacramento, CA 95833, [www.bppe.ca.gov](http://www.bppe.ca.gov), toll-free telephone number 888-370-7589 or by fax 916-263-1897.**

As a prospective student, you are encouraged to review this catalog prior to signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet, which must be provided to you prior to signing an enrollment agreement.

### Catalog Changes

The information in this catalog is accurate and in effect as of the revision date that is found on the front cover of this catalog. A new catalog is published at the beginning of the January Term and at the beginning of the June Term each year. Catalogs may receive updates and revisions throughout their lifespan. Existing students will be notified when a new revision of the catalog is available. CIAT will notify all current students by means of a group email that will summarize the changes. The revised catalog will be posted to CIAT's website for download by the students and general public. The changes will also be summarized and posted to the Student Portal for a period of no less than 30 days. See the following paragraph for information on the Student Portal.

### Eligibility

California Institute of Arts & Technology is eligible to administer federally funded programs of aid for education in the form of Pell Grants and the Federal Direct Loan Programs (FDLP).

### Statement of Ownership

California Institute of Arts & Technology is a State of California Chapter S Corporation. The President/Founder, Jamie Doyle has legal control of the company.

### Bankruptcy

The institution has no pending litigation in bankruptcy, is not operating as a debtor in possession, and has not filed a petition within the past five years, or have a petition in bankruptcy filed against it within the preceding

five years that resulted in reorganization under Chapter 11 of the United States Bankruptcy Code (11 U.S.C Sec. 1101 et seq.)

## Accreditation, Approvals and Affiliations

### BPPE Approval

California Institute of Arts & 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.

### Accreditation

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.

### Other Approvals and Partnerships

1. Approved to offer VA Education benefits
2. Approved to offer Tuition Assistance (TA) benefits
3. Approved to offer MyCAA (Military Spouses)
4. GSA Multiple Award Schedule Contract GS35F-0364Y
5. Sallie Mae Student Loan
6. Member of Microsoft IT Academy
7. Member of Cisco Networking Academy
8. CompTIA Authorized Academy
9. VMware Academy
10. Member of EC-Council
11. Member of the National City Chamber of Commerce
12. Official Pearson-VUE Testing Center

## Campus Locations and Contact Information

877.559.3621 toll-free  
858.505.9650 fax  
858.225.4301 phone

[info@ciat.edu](mailto:info@ciat.edu)

401 Mile of Cars Way, Suite 100, National City, CA 91950  
1717 Louisiana Blvd NE Ste 208, Albuquerque, NM, 87110

CIAT's main campus is located on the ground floor of a three-story office building off of interstate 5, South of San Diego in National City. Shopping malls, restaurants, and hotels are within a short drive from each campus. We have large classrooms available, large networking lab facilities and large "quiet study" areas with private desks for student use. There are offices for the staff. More than adequate parking is available and public transportation stops are located directly adjacent to each campus.



## Program / Course Schedules

CIAT's 5-week terms are designed to accommodate students who have full time jobs and family commitments by balancing the resident and IDL requirements to better suit your scheduling and learning needs.

For example, 101A course is 75 clock hours in total. Students in 5-week term will complete 15 hours per week x 5 weeks = 75 clock hours.

Schedules for courses offered during 2022 can be obtained from an Admissions Advisor by calling 877-559-3621 or emailing [info@ciat.edu](mailto:info@ciat.edu).

## Hours of Operation and Availability

CIAT offers both online and on campus administration hours. Closed Sundays and Major Holidays. Office hours are as follows. All times are Pacific Time.

Online

Monday – Friday: 8:00AM – 6:00PM

Campus (Open only during 5<sup>th</sup> week of each term)

Monday- Thursday: 12:00PM – 9:00PM



## Degrees and Certificates Awarded

Upon completion of one of our Degree Programs, the student will receive an Applied Bachelor's Degree and/or Associate of Applied Sciences Degree for the program in which they enrolled. Please note that CIAT is participating in ACCET's pilot to approve applied Bachelor's Degree programs in advance of ACCET's application for an expansion of scope. For more information, please see the Degree Programs section of this catalog. The following programs are offered during the 2023:

- Applied Bachelor's Degree in Computer Information Systems (BACIS)
- Applied Bachelor's Degree in Software Development (BASD)
- Associate of Applied Science in Computer Information Systems (AASCIS)
- Associate of Applied Science in Software Development (ASD)
- Associate of Applied Science in Business Data Analytics (AASBDA)

Upon completion of one of our Certificate Programs, the student will receive a Certificate of Program Completion for the program in which they enrolled. Please see the Certificate Programs section of this catalog for information on the certificate to be awarded and the courses included in the various programs. The following programs are offered during the 2023:

- Certificate in Computer Information Services, Networking Concentration (CCIS)
- Certificate as Cisco Network Associate (CCNA)
- Certificate as Cisco Networking Professional, Enterprise (CCNP-ENT)
- Certificate in Software Development (CSD)
- Certificate as Microsoft Office Specialist (MOS)
- Certificate as Computer Technician (CCT)
- Certificate as Networking Technician (CNT)
- Certificate in Cloud Administration (CCA)

Upon completion of a Professional Development course, the student will receive a Certificate of Course Completion (with the appropriate number of Continuing Education Units earned) for their course.

CIAT Continuing Education and Professional in IT is 40 hours in length and are conducted on a five-day, eight hours per day basis, unless other arrangements are made. The CE&P course is charged at the rate of \$2,440 per 40-hour course plus associated exam and technology fees.

To enroll, request a registration form from a CIAT admission advisor, complete it and submit form of payment at least 14 days in advance. If you cannot complete the process with 14 days notice, you can request a waiver by calling 877-559-3621 or emailing us at [info@ciat.edu](mailto:info@ciat.edu).

## Student Portal

The CIAT Student Portal, powered by Microsoft Dynamics, allows students to track their course registrations, grades, and attendance and should be utilized to monitor academic progress throughout the program. Students can access the Student Portal at any time through the internet with a unique user ID and password. Students will be provided a username and initial password after completing their enrollment.

No changes to a student's academic record can be made through the Student Portal. Please email [studentserviceteam@ciat.edu](mailto:studentserviceteam@ciat.edu) or call 877-559-3621 to report any information that you believe is incomplete, inaccurate, or incorrect, or to ask for an explanation of the information presented to request assistance.

**ACADEMIC CALENDAR 2023**

	Term Information	Day of the Week
January 3	Term #1 – First day of classes	Tuesday
January 16	Martin Luther King Day – Campus Closed	Monday
February 4	Term #1 – Last day of classes	Saturday
February 6	Term #2 – First day of classes	Monday
February 20	Presidents’ Day – Campus Closed	Monday
March 11	Term #2 – Last day of classes	Saturday
March 13	Term #3 – First day of classes	Monday
April 15	Term #3 – Last day of classes	Saturday
April 17	Term #4 – First day of classes	Monday
May 20	Term #4 – Last day of classes	Saturday
May 22	Term #5 – First day of classes	Monday
May 29	Memorial Day – Campus Closed	Monday
June 24	Term #5 – Last day of classes	Saturday
June 26	Term #6 – First day of classes	Monday
July 4	Independence Day – Campus Closed	Tuesday
July 29	Term #6 – Last day of classes	Saturday
July 31	Term #7 – First day of classes	Monday
September 2	Term #7 – Last day of classes	Saturday
September 4	Labor Day – Campus Closed	Monday
September 5	Term #8 – First day of classes	Tuesday
October 7	Term #8 – Last day of classes	Saturday
October 9	Term #9 – First day of classes	Monday
November 10	Veterans Day (observed) – Campus Closed	Friday
November 11	Term #9 – Last day of classes	Saturday
November 13	Term #10 – First day of classes	Monday
November 23-24	Thanksgiving Day – Campus Closed	Thursday - Friday
December 16	Term #10 – Last day of classes	Saturday
December 18 –January 1	Christmas & New Year Break – Campus Closed	

## ADMISSIONS

### Admission Requirements

All applicants must be at least 17 years of age. A student accepted for enrollment in either the Degree or one of the Certificate programs must be in possession of a high school diploma or equivalent. At this time CIAT is only accepting students who have successfully completed a minimum associate degree into the Applied Bachelor's Degree program. CIAT does not accept ability-to-benefit students. Individual pre-requisites, if any, for individual courses are identified in the course descriptions section of this catalog. CIAT must determine with reasonable certainty, prior to the acceptance of the enrollment, that the applicant has the appropriate prior education required to succeed in the program.

The High School Diploma equivalency may be satisfied by either General Educational Development (GED) tests or a United States military Form DD-214 indicating that applicant has completed high school. All applicants must be able to read and speak English effectively and be able to use a computer keyboard and mouse to navigate in the Windows environment.

CIAT will accept as a recognized equivalent of secondary education a GED, passing score on the California High School Proficiency Exam, a DD214 that indicates high school equivalency, a degree issued to the student that indicates the high school graduation, a certificate issued for home schooling at the secondary level regulated by the state or documentation of completion of an Associate's Degree, Bachelor's Degree, or Master's Degree. CIAT bans high-pressure recruitment tactics for the purpose of securing enrollments. In addition, CIAT prohibits providing a commission or bonuses to individuals or entities based on securing enrollment or financial aid.

### How to Apply for Admission:

- Complete the CIAT Application for Admission.
- Complete a formal interview with an Admissions Advisor via phone, video call, or in person.
- Submit proof of high school completion or equivalent.
- Complete a financial aid consultation to review all your options for managing your educational investment.
- Submit government issued proof of identity with signature, photo and date of birth (government ID, driver's license, or passport with picture).
- Submit unofficial transcripts for all college level education courses completed or pass a Scholastic Level Exam at the minimum required score or higher (required if you have earned less than six college-level semester credit hours from another accredited institution).
- Sign and submit CIAT Enrollment Agreement.

### Scholastic Level Exam

A Scholastic Level Exam (SLE) is required for all students enrolling in our Degree and Certificate Programs, when they have less than 6 college-level semester credit hours or two AP exam scores with 3 or above, to ensure that each and every student at CIAT can successfully meet the challenges

found within a college level learning environment. A minimum passing SLE score is 21 for Associate of Applied Science in Software Development and Certificate in Software Development programs and for all other programs, the minimum passing SLE score is 17. Students are only allowed to take the SLE a maximum of three (3) times within a 5-week period. Students who fail all three exams will need to wait for the next enrollment cycle. Students enrolling in Professional Development Boot Camps/Seminars are not required to take the SLE even if they do not have prior college-level credits.

### Identity Verification

We verify the identification of any student utilizing government or employer funding for classes and for all students when taking certification exams. Acceptable forms of identification include passports, driver's licenses, military ID cards and other forms of government issued identification with photo. Additional identification may be required when attempting certification exams. We will advise you of required identification when scheduling your exams.

### Student Visas

CIAT Does not provide I-20s or any other form of Visa assistance for foreign students.

### Language Requirements

All courses are offered in the English language. CIAT does not offer English as a Second Language (ESL). The student must be able to speak, read/write and understand the English language to enroll in any CIAT course. The student's signature on the enrollment agreement signifies that they attest to their ability to be able to speak, read/write, and understand the English language. In addition, CIAT verifies English Language skills through the admissions process. College Transcripts not in English will not be accepted by CIAT.

### Test of English as a Foreign Language

Applicants whose native language is not English and who have not earned a degree from an appropriately accredited institution where English is the principal language of instruction must receive a minimum score of 500 on the paper-based Test of English as a Foreign Language (TOEFL PBT), or 61 on the Internet Based Test (TOEFL IBT). For more information on TOEFL, go to their website by following this link: <http://www.toeflgoanywhere.org/>. Students who desire to register and take the TOEFL online exam may do so through an authorized Prometric Test Center.

### Acceptance Criteria

We strongly believe that everyone with the right motivation and commitment to building a career deserves a shot at success. However, immediate acceptance is not always guaranteed. Acceptance may be immediate or deferred based on previous academic history.

**Immediate Acceptance:** A prospective student must comply with one of the following evaluation criteria to qualify for immediate acceptance:

- 6+ completed college credits with a GPA > 2.0
- High school GPA > 2.0

**Deferred Acceptance:** If student does not meet the eligibility criteria for immediate acceptance, student may be offered a deferred acceptance with recommended pathway options, such as:

- Appeal to CIAT Admissions Committee with a personal statement explaining prior academic performance and career motivation,
- Elevate their GPA at a community college prior to re-applying,
- Take first industry certification exam on their own,
- Return to previous college to repeat classes for an improved grade.

#### **CIAT Readiness Course (CRC):**

New students are enrolled in a CIAT Readiness Course (CRC) prior to starting their first class. The CIAT Readiness Course is designed to prepare students with the resources to successfully complete their first term. Students who do not complete the CRC may be required to change their start date to ensure their success. Returning students are not required to complete the CRC. Topics in these modules include (but are not limited to):

- Navigating through Canvas
- Submitting discussions posts and replies
- Monitoring your grades
- Ordering your textbooks
- Live class participation

## **Students with Disabilities**

CIAT recognizes and accepts its obligations under The Americans with Disabilities Act (ADA) of 1990 and The Rehabilitation Act of 1973 prohibiting discrimination on the basis of a disability and requiring that reasonable accommodations be provided to qualified disabled students in all programs and activities within the control of the institution, provided such accommodation would not impose an unreasonable burden on the school or other students. The accommodation provided by CIAT is free of charge.

The Vice President of Compliance and Student Services Director manage the process for the determination of reasonable accommodations and compliance with the ADA and Rehabilitation Act for students jointly. No student shall be retaliated against for seeking accommodation under this policy or for participating in good faith and in a reasonable manner in any review procedures regarding The Americans with Disabilities Act of 1990.

### **Non-Discrimination Policy**

CIAT adheres to a strict policy of non-discrimination. We will not discriminate for or against any applicant on the basis race; color; religion; sex (including pregnancy, childbirth, and related medical conditions, transgender status, and gender identity); national origin (including Limited English Proficiency [LEP]); age; disability; political affiliation or belief; or, for beneficiaries, applicants, and participants only on the basis of either citizenship status or participation.

## **Students with Criminal Records**

Applicants for jobs in the IT field may be subject to pre-employment screenings such as, but not limited to, criminal background checks, drugs and/or alcohol testing, physical and/or psychological examinations as credit checks. Unsatisfactory screening results may result in denial of an offer for a position in the field. The university does not believe that students should make a substantial investment of time and money if the ability to secure employment in the field of study is unlikely. Therefore, applications by those with felony convictions may be denied; however, exceptions may be warranted for those individuals who can demonstrate to CIAT that their goals, experience, and desire to become employed in the field of study are significant enough to overcome the challenges relating to their criminal background.

Exceptions are given at CIAT's sole discretion. Individuals who wish to be considered shall write a minimum of a 500-word essay explaining their circumstances, what has changed, and how their goals, experience, and desire to become employed in the field are deserving of an exception. CIAT will present the facts to the admissions board and provide an answer within 30 days of submission. In addition, individuals who have been convicted and are subject to an involuntary civil commitment upon completion of a period of incarceration for that offense may have limited eligibility for a Federal Pell Grant or a federal student loan. Therefore, applicants who wish to be considered must also prove they can pay their tuition and living expenses while in the program.

To submit your petition:

1. Schedule an appointment with an Admissions Representative by contacting [admissions@ciat.edu](mailto:admissions@ciat.edu)
2. Complete the Pre-Application, and Enrollment Application and sign receipt of Gainful Employment Disclosures,
3. The applicant must submit a minimum of a 500-word essay explaining their circumstances, what has changed, and how their goals, experience, and desire to become employed in the field are deserving of an exception,
4. The applicant is also required to complete an interview with a CIAT Admissions Advisor via phone or video conference,
5. Once all the above steps have been completed, the Admissions Advisor will present the facts to the admissions board. This process may take up to 30 days,
6. Once the decision has been made, the applicant will be notified via email/phone.

## **Transfer of Credits to CIAT**

CIAT strives to ensure the fair and equitable treatment of students relative to transfer of credit. The following underlying principles guide CIAT's policy on transfer of credit:

1. The best interests of students are served by facilitating the transfer of prior credit earned.
2. The provision of timely, accurate and unambiguous information relative to institutional policies and practices serves the public interest.

3. The evaluation of transfer credits by CIAT must be implemented in a fair, reasonable, and consistent basis.
4. The principal criteria CIAT will use in evaluating transfer credits is the quality of the credits earned relative to comparability and applicability to the CIAT program in which a student seeks to enroll.
5. CIAT's decision to award or reject such credits is to be respected, but the student has the right to question any decision made regarding transfer of credits from their prior training and/or experience.
6. CIAT will establish and implement a fair and equitable policy regarding the transfer of credit. The policy will be written, published in this catalog and other relevant publications, and disseminated to all students and prospective transfer students.

CIAT will only consider for acceptance credit earned at another institution if that institution is accredited by an agency recognized by either the U. S. Department of Education or the Council for Higher Education Accreditation. Credit earned at an institution outside the United States will be considered for transfer only if:

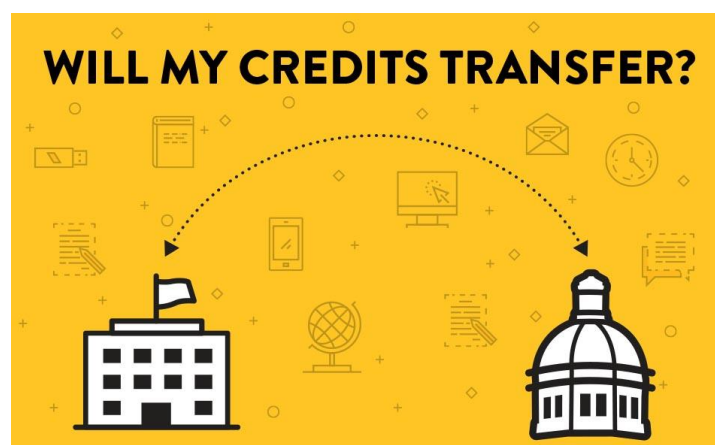
- a. The student presents a transcript that is in English or has been translated into English by an official translation service.
- b. The school has been recognized, authorized, or accredited, as appropriate by the National Agency responsible for said recognition, authorization or accreditation in the country it is located in, as listed on the Council for Higher Education Accreditation website.

CIAT will accept a maximum of 75% of the credits for transfer credit or a combination of transfer credit and experiential or equivalent credit (including challenge credits). For no student, however, may the credit given for experiential or equivalent credit (including challenge credits) exceed 25% of the credits required for a certificate or degree. CIAT will only consider for acceptance transfer credit from institutions that are accredited by recognized agencies of the U.S. Department of Education and/or provide the current associated industry certification. **Transfer of credit may affect your ability to qualify for Financial Aid.**

**It is the student's responsibility to ensure that CIAT receives an official transcript from all attended colleges where transfer credits are to be provided.** Students are encouraged to submit official transcripts within the first 90 days of enrollment to ensure their course registrations can be accurately planned. Pending transfer credits provided during the enrollment consultation will be used to support a student's financial projection and course registration plan until official transcripts are received. A student will be ineligible to graduate if official transcripts are not provided for pending transfer credit.

Students wishing to transfer credit to CIAT should have official transcripts sent directly from the accredited institution to CIAT. Veterans will be required to provide their Joint Services Transcript or equivalent from the Air Force and Coast Guard, and all transcripts from all institutions for all

college-level courses taken prior to attending CIAT. All transcripts received will be reviewed by the CIAT Records Department for transfer credit. Credit will only be transferred from courses equivalent to those offered by CIAT. The Registrar will provide a written report of the action taken for each transcript or JST submitted. Students have the right to challenge the decision of the Registrar to accept or deny credit. To do so the student must submit the challenge in writing within 30 days of receiving notice of the results of their transcript review. They must state what they are challenging and provide specifics of why they are challenging the decision. The Registrar will review the challenge and reply in writing within 10 business days. In case of a continued disputing of the results by the student, the student will have 10 business days to respond in writing. The dispute will then be forwarded to the President of CIAT for final review and resolution. The decision of the President is final.



For CIAT courses that lead to one of our Certificates or Degrees, credit will be considered for transfer only if:

1. For all courses:
  - a. The student must have achieved a grade of C- or better.
  - b. For courses where no letter or numeric grade is given, such as ACE recommendations, a grade of P will be given. Note that a grade of T for transfer is recorded on the students CIAT transcript and transferred grades are not considered for the student's GPA at CIAT.
  - c. The course must be a minimum of 3 Semester Hours or 45 Clock Hours.
  - d. The course must be equivalent to the CIAT course for which credit will be given.
2. For core classes and technical electives:
  - a) The course transferred must be substantially the same as the corresponding CIAT technical course.
  - b) The course must have been completed within a seven-year period prior to the student's program start date or the student must request a written appeal and demonstrate technical knowledge and skills that meet the course and certification objectives, or:
  - c) Transfer credit may be awarded based on documentation of active industry certification(s) for corresponding CIAT course(s). Transfer credit will not be awarded for inactive industry certifications.



3. For General Education Classes:
  - a. In some cases, 3 credit general education courses may be used to satisfy a 4 credit courses (e.g. Statistics) if the course transferred meets the substantial learning outcome requirements for the corresponding CIAT general education course.
  - b. AP exam scores with 3 or higher within the four (4) year period prior to the student's Program start date.
  - c. The laboratory credits may transfer for courses under Scientific Inquiry and Quantitative Reasoning.
4. Transfer Credit may also be given for:
  - a. CLEP Exams
  - b. DANTES Exams
  - c. ACE Recommended Credit on JST's
5. Degree Bulk Transfer Credit may be awarded in the following cases:
  - a. All Associate-level general education course credit requirements will be satisfied if the student has earned an Associate Degree or higher from an accredited institution.
  - b. All Bachelor-level general education course credit requirements will be satisfied if the student has earned a Bachelor's Degree or higher from an accredited institution.

**Veterans Students using VA Benefits to pay for any portion of their training are required to submit their JST and all transcripts from all prior training within 90 days of registration at CIAT.**

Tuition and fees will not be assessed for any courses transferred in. CIAT only charges tuition and/or fees for courses taken at CIAT or by online means through CIAT. Any tuition or fees prepaid for courses which were later transferred in will be refunded within 45 days of the transfer being recorded, unless challenged, in which case payment will be made within 45 days of resolution of the challenge.

There is no charge to the student for the evaluation and recording of transfer credits. It is possible that students receiving Financial Aid may have their financial aid reduced by the amount that their tuition and other fees are reduced at CIAT by transferring in credits.

## Transfer of Credits from CIAT

CIAT does not in any way guarantee or promise that credits earned at CIAT will be accepted for transfer by any other institution other than listed institution(s) under Articulation Agreement in pg. 13. It is strictly the decision of the receiving institution to accept or deny transfer of credits. Students desiring to transfer to another institution may ask for guidance and counseling from Student Services concerning their proposed transfer. Official Transcripts must be sent by mail to the Registrar's Office of the receiving school upon receipt of a request in writing signed by the student. There is no charge for the first transcript sent to an institution on behalf of the student. A nominal fee of \$5.00 will be charged for all subsequent transcripts sent to the same school for the same student. It is up to the receiving school to pay this fee to CIAT. They may seek payment from the

student based on their policies. Official Transcripts will be forwarded within 5 business days of receipt of an authorized request from the student. Please email, [transcripts@ciat.edu](mailto:transcripts@ciat.edu) to request official/unofficial transcripts.

Transcripts will not be provided to third parties without a signed authorization or request from the student, except as required by law or court order. Similarly, course syllabi and outlines are considered proprietary information and will not be provided to third parties except as required by law or court order. Course descriptions may be found in our catalog and are available to all interested parties.

## Experiential Credit

Experiential learning is defined as those skills, competencies, and knowledge (general or specific) that are acquired through work, self-development, training, or volunteer experiences.

**Credit is not awarded for life or work experience at CIAT. Credit is only awarded based on measurable learning outcomes.** Students with extensive experience are recommended to challenge for credit. See Course Challenge for Credit policy below:

1. College credit will be awarded only for college level learning.
2. Credit will be awarded only for learning that has a balance, appropriate to the subject, between theory and practical application.
3. The determination of competence levels and of credit awards will be made by appropriate subject matter and academic experts.
4. Credit will be appropriate to the academic context in which it is accepted.
5. There is no cost to evaluate experiential credit.

## Course Challenge for Credit

Students may challenge up to 25% of CIAT's courses by successfully passing the course final examination on their first attempt. Retakes of tests taken as a challenge test are not allowed. Students taking a challenge test and failing will be required to take the full course to achieve credit for the course. CIAT charges a nominal fee of \$150.00 per challenge exam, which is not refundable. The number of challenge exams will follow the number of industry certification exams required to be certified. For example, for CompTIA A+, there are two parts to the exam (220-1101 and 220-102), therefore you will need to take two challenge exams.

CIAT does not accept hours or credit through transfer of credit achievement tests.

## Transfer Credit Appeal

Students have the right to challenge the decision of the CIAT Records Department to accept or deny transfer credit. For technical course transfer credit, a student can petition to request transfer credit for courses taken over 7 years. The student must submit the challenge in writing within 30 days of receiving notice of the results of their transcript

review. They must state what they are challenging and provide specifics of why they are challenging the decision. The Registrar will review the challenge and reply in writing within 10 business days. In case of a continued disputing of the results by the student, the student will have 10 business days to respond in writing. The dispute will then be forwarded to the Dean of Education for final review and resolution. The decision of the Dean of Education is final.

### Notice Concerning Transferability of Credits and Credentials Earned at our Institution

The transferability of credits you earn at CIAT is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the diploma or certificate you earn in the educational program is also at the complete discretion of the institution to which you may seek to transfer. If the credits, diploma or certificate that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending CIAT to determine if your credits, diploma or certificate will transfer.

### Articulation Agreements

An Articulation Agreement is a formal agreement between two participating schools detailing the process by which credits and degrees at one institution may transfer or are equivalent to the other institution. These are designed to help students make a smooth transition from one school to the next educational level without experiencing delays, duplication of courses or loss of credit. Level of articulation agreements from CIAT would be Associate (2-year) Degree to a Bachelor's (4-year) Degree. Articulated schools are listed:

- DeVry University
- Excelsior College
- Grantham University
- United States University

#### Agreement Highlights:

- Students must graduate from CIAT.
- Minimum grade requirement of C- or better in courses is required for transferability.
- Students must have earned a minimum Cumulative GPA of 2.0 or higher.
- A maximum of 73 credits may be accepted for transfer.
- Upon completion of the CIAT Associate of Applied Science degrees, students are guaranteed admission to the above listed schools and will transfer with junior standing.

### Substitution of Courses

Students that have taken a similar course from an accredited institution that is the equivalent of a course contained in their selected Certificate or Degree program, and/or have the current associated industry

certification, may elect to substitute an equivalent or higher level course at no additional cost for the program.

Due to difference in academic curriculum standards, for students that do not have the current associate industry certification but have taken a similar course from an accredited institution will need to demonstrate knowledge by taking the "Challenge for Credit Exam" with CIAT within 90 days from the start date of the first term in the program. Please see Admissions for more information.

### Sequence of Classes

CIAT's Programs are designed to provide the student with the skills and knowledge that is in demand by employers. The programs are intended to sequence the student through the basics and then into more advanced topics that build upon the previous courses taken.

Students enrolled in the Bachelor's Degree programs are required to select a concentration track upon enrollment. The concentration track name will not be displayed on your official transcript or diploma. Students are strongly encouraged to remain in the pre-selected concentration to benefit from student cohort support and optimal instruction paths. Certificate and Associate Degree students do not have concentration track options and will be scheduled to take courses in a predetermined best sequence.

Students must successfully complete all the courses in a program to receive the certificate for that program. Some of the programs offer electives of the student's choice as part of the Program/Degree. These electives will be scheduled for completion after the student has completed the "core" courses of the program.

To switch tracks once during your enrollment period, the student:

1. Must have a valid reason to do so, such as employment needs.
2. Must be making Satisfactory Academic Progress
3. Must have completed their current course, and all prior courses at CIAT, on time with a grade of C or better.
4. Must submit a Schedule Change Request at least one week prior to the end of the current Term.

All requests to take courses out of sequence must be approved by the Student Services Director. Approved changes will take effect at the start of the next regularly scheduled Term.

Leave of absences may be required due to course availability or inability to meet academic performance requirements. Continuous course availability cannot be guaranteed.

## Readmission Process

Individuals who have previously withdrawn from CIAT, have been dropped from their academic program, or have been dismissed from their respective program for any reason may choose to petition the institution for consideration of re-enrollment. In order to be considered for re-enrollment, individuals must complete a new application in its entirety.

### Requirements for Consideration:

- Schedule an appointment with an Admissions Representative.
- Complete the Pre-Application, and Enrollment Application and sign receipt of Gainful Employment Disclosures.
- The applicant must submit an essay with a minimum of 250 words detailing his/her academic and career goals, how CIAT can assist with attaining these goals, and if any obstacles were encountered during the previous enrollment (i.e. academic, personal and/or scheduling difficulties), how such obstacles to academic success will be addressed and overcome given the opportunity for re-enrollment at CIAT. This requirement is waived for any re-entry students with a previously high academic standing with GPA 3.0 or higher and no SAP violation.
- Applicants are also required to schedule and complete an in-person or over the phone interview with a Director of Admissions.

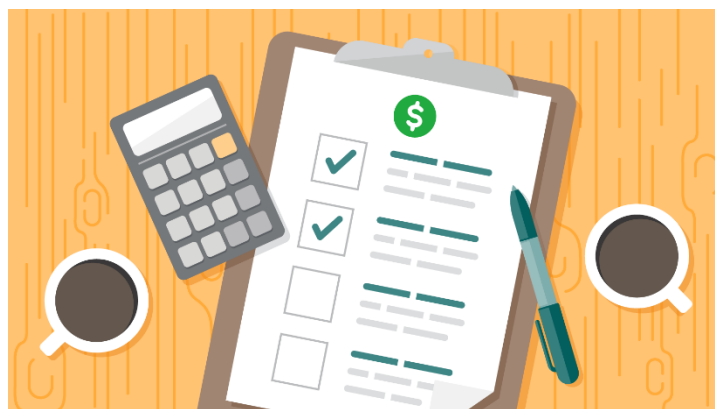
All petitions for reenrollment should be forwarded to the admissions department in person, by mail or emailed to [admissions@ciat.edu](mailto:admissions@ciat.edu).

Depending on the number of readmission attempts, individuals may need to complete a 3-term waiting period and CIAT Readiness course to be considered for readmission.

Once an applicant has completed all the readmission application requirements, the CIAT management will review the information along with the applicant's previous academic history, attendance, and reason for departure from the last enrollment. Each readmission application will be reviewed on a case-by-case basis. A previous admission does not guarantee admission into any given program at CIAT. The final determination regarding re-admission, including any reason for denial, will be presented in writing via email or mail to the student within ten business days of receiving all the required information.

Upon approval of re-admission, any eligible completed coursework from the applicant's first enrollment with a grade of "C" or better will be transferred to the applicant's second enrollment. Please see Transfer Credit Policy for more details.

All individuals approved for re-entry must pass the first class with C- or better upon return. Final grades of D+ or lower during the first class after re-entry may result in administrative withdraw and there may be up to a 10 term (12 month) waiting period prior to being eligible for consideration of re-enrollment.



## FINANCIAL INFORMATION

### Tuition and Fees

#### Tuition

Tuition for CIAT non-degree programs and individual courses is charged at the rate of \$610.00 per unit (1 Semester Hour, 15 Lecture Clock Hours or 30 Lab Clock Hours). This cost is the same for all technical courses and does not include any labs or separate lab courses required by the basic course. Laboratory fees per program will be listed under Laboratory/Technology Fees below. The Microsoft Office classes are charged at a flat rate of \$1995.00 per course. The cost for each program is different, depending on the number of courses included in the program. The degree program includes General Education courses which are also charged at the rate of \$610.00 per Unit. Total program costs are specified in the program description section of this catalog.

Any repeat of the course may be charged with the tuition for the course.

Tuition, fees, and charges are subject to change by administrative, or legislative, and changes become effective on the date enacted.

There are three terms in a semester (15 weeks) and each semester is CIAT's period of attendance. The tuition cost for one period of attendance equals three terms. For example:

- Term 1: 4 semester credit course; \$2,440
- Term 2: 4 semester credit course; \$2,440
- Term 3: 4 semester credit course; \$2,440

Total Charges for a period of attendance: \$7,320.00

**CIAT does not financially obligate a student for more than twelve (12) months in any current and active enrollment period. A student may not have more than one enrollment active at any time.**

#### Books, Virtual Labs and Other Materials

Textbooks are not included as a part of tuition and the student is responsible for purchasing the books. The cost of books varies with each course. Book costs approximately from \$20.00 to \$200.00 per course. Students will receive a textbook list and curriculum which provides all information required to obtain needed learning resources. Some books



are only available through an official source such as Microsoft and EC-Council. Those that are commercially available can be purchased by the student in lieu of buying them from CIAT. Book costs constantly change, so, any costs for books mentioned in this catalog are based on the best estimate of actual cost at the time this catalog was created. Please check our website <https://www.ciat.edu/textbook-list/> for the latest costs for books.

## Software

Any software required for a course will be provided by CIAT. This software is provided under licenses that allow for its use only in pursuit of the course. Any other use by the student is in violation of copyright laws and may subject the student to disciplinary action by CIAT and/or other authorities.

## Supplies

Students are expected to provide their own pens, pencils, note taking materials, calculators, etc.

## Tools

Any tools needed during a CIAT conducted lab will be provided by CIAT. Students should not have to purchase any tools during their enrollment at CIAT.

## Certification Exams

Certification Exams are an optional additional expense. Students are responsible for any certification exam costs that are not covered under CIAT's Certification Exam Policy and must be paid prior to registering for any certification exam. These fees may change with little or no notice. For a schedule of fees, visit PearsonVue.com.

## Technology Fees

Accessing technology is a required component of your course. The technology fee will be applied to the student's account as a one-time fixed cost at the beginning of the program. Tuition and fees will be prorated when determining a refund and follow the Cancellation and Refund policy on pg. 21.

## Equipment Fees

Accessing physical computer parts and delivery for hands-on "Build your own computer" lab project is a required component of your CIS 101A/B courses. The equipment fee will be applied to the student's account as a one-time fixed cost at the beginning of the program. Tuition and fees will be prorated when determining a refund and follow the Cancellation and Refund policy on pg. 21.

## Fee Chart

Technology Program Names	Fees	
BACIS Tech Fee	\$1,250.00	One Time
AASCIS Tech Fee	\$600.00	One Time
ASD Tech Fee	\$600.00	One Time
CCIS Tech Fee	\$400.00	One Time
CCNA/CCNP-ENT Tech Fee	\$500.00	One Time
CSD Tech Fee	\$300.00	One Time
CNT Tech Fee	\$200.00	One Time
CCA Tech Fee	\$200.00	One Time
CCT Tech Fee	\$200.00	One Time
CCNA Tech Fee	\$100.00	One Time
CEH iLab Software	\$250.00	One Time
Cisco Fee	\$500.00	One Time
Networking Equipment Fee	\$150.00	One Time
Equipment Fee (CIS101A/B)	\$1,150.00	One Time

Fees	Per Unit	Per Class
Technology Classes	\$610.00	\$2,440.00
MS Office Classes	\$-	\$1,995.00
General Education Classes (4unit)	\$610.00	\$2,440.00
General Education Classes (3unit)	\$610.00	\$1,830.00
Registration Fee	\$-	No Charge
Lab supplies or kits	\$-	No Charge
Uniforms or other protective clothing	\$-	N/A
CEH iLab Software	\$250.00	One time
Tutoring	\$-	N/A
Assessment Fees for transfer of credits	\$-	No Charge
Fees to transfer credits	\$-	No Charge
Student Tuition Recovery Fund	\$-	\$0.00
Online Library Services	\$-	\$0.00
Official Transcript	\$10.00	N/A
Dual Certificate/Degree	\$50.00	N/A
Experiential Learning Review	\$-	No Charge
Late LOA Request Fee	\$50.00	Per LOA
Challenge Exam	\$150.00	Per Exam
Loaner Laptop	\$50.00	Per Month

## Payment of Fees

Tuition and fees must be paid in full at least 14 business days prior to the start of class. Tuition includes class instruction and required materials and may be paid using a major credit card, debit card or, check. All students will be informed of available State and Federal grants first before packaging or arranging private student loans or alternative financing programs. If you are using education benefits, funding documentation (such as tuition vouchers, approved purchase orders or other approved forms of payment), are also due 14 business days prior to the start of class. Ultimately, it is the student's responsibility for payment of tuition regardless of whether a third party is funding their education. Once your tuition has been received, you will receive a welcome email with login instructions from your instructor. The tuition for each program is located next to the course description in this School Catalog.

## Discounts and Scholarships

CIAT offers discounts and scholarships. Students receiving discounted tuition may not receive any other discounts or complimentary certification exam benefits from CIAT.

For Applied Bachelor's Degree in Computer Information System program, the maximum amount of scholarships and discounts combined cannot exceed more than \$15,000.00 per student. The scholarship will be applied evenly in the last two semesters.

For the Associate Degrees and Certificate programs, scholarship awards will be applied evenly every term depending on the length of the program. For example, a \$1,250 scholarship for a program containing 8 classes as does our CCIS program, \$312.50 will be applied to each class, totaling \$2,500 total.

The discounts and scholarships do not have monetary value and CIAT can only apply the scholarships and discounts to students' accounts. Discounts and/or Scholarships cannot be combined. Students enrolled in Associate of Applied Science Degrees are eligible up to \$2,500 per student based on the eligibility criteria. All other certificate programs are eligible up to \$1,250 per student. Please contact a CIAT Admissions Representative for the latest information.

### Discounts

#### Active Military TA Discount

TA discount is available for any active-duty military personnel. Tuition rates are discounted to \$250.00 per unit for all IT and General Education courses while the student remains in active-duty military status. Students must show proof of active-duty status by providing LES documentation upon enrollment. Students may be asked to resubmit or re-verify their active-duty status each term to maintain the discount. Students entering a Certificate or Degree program will be required to secure a secondary funding source if a projected tuition balance remains after applying the estimated annual Active-Duty Tuition Assistance funds.

#### Course Cost Waivers

Course cost waivers are provided as a benefit to CIAT graduates enrolling in the Applied Bachelor's Degree in Computer Information Systems (BACIS). Students may elect to waive the cost of equivalent classes that were previously taken in the Associate of Applied Science Degree in Computer Information Systems. Students are by default opted-in to all eligible course cost waivers. Students may elect to opt-out to support academic, industry certification, or financial goals. All CIAT graduates are required to complete the full credit requirements of the new 2020 BACIS due to curriculum updates.

### CIAT Scholarships

CIAT provides merit and need-based scholarships to help make sure your education is as affordable as possible. Eligibility criteria, application procedures, and deadlines may vary. Most scholarship awards will be applied evenly throughout the program. The CIAT Graduate Scholarship and Bachelor's scholarship will be applied at the end of the student's program after all primary funding limits have been reached. The range of scholarship awards varies based on program length.

### How To Apply For A CIAT Scholarship

1. Complete the online Scholarship Application,
2. Submit the required documentation for your selected scholarship,
3. Submit a 500-word personal statement covering the following:
  - a. Why did you select technology as your career?
  - b. How is CIAT going to help you achieve your personal and career goals?
  - c. Where do you see yourself in 5 years?

Scholarship application, documentation, and personal statement may be submitted to your Admissions Advisor or to [scholarships@ciat.edu](mailto:scholarships@ciat.edu).

#### Transfer Scholarship

CIAT is offering a scholarship for any student transferring from another accredited institution prior to earning an Associate Degree or higher.

Additionally, if your college or career school closed while you were enrolled, or soon after you withdrew, we can help. The previous school must have been an accredited college for CIAT to accept transfer credits. If the school is closed, the school is required to make accommodations for you to access your academic records indefinitely. Your school must communicate information about your academic transcripts once the location has been determined.

Scholarship Award: Up to \$2,500, depending on the number of credits earned.

Eligible Programs: Associate Degrees

#### College Prep Scholarship

College Prep Scholarships of up to \$2,500 per person are available to recent high school graduates. Applicants must meet all the eligibility criteria listed below. They must:

1. Be a recent high school graduate and enrolled in CIAT within 12 months,
2. Have minimum CGPA (Cumulative Grade Point Average) of 3.5 from high school,
3. Apply for federal financial aid,
4. Be a U.S. citizen or eligible non-citizen.

Applicants must submit an official high school transcript to [scholarships@ciat.edu](mailto:scholarships@ciat.edu).

Eligible programs: Students enrolled in Associate of Applied Science Degrees, or Certificate programs with minimum 8 courses are eligible up to \$2,500 per student based on the eligibility criteria. All other programs are eligible up to \$1,250 per student.

#### Industry Scholarship

Industry Scholarships of up to \$2,500 per person are available to those who are working for the company that use business as a tool for positive social change and that employ environmentally responsible processes. Applicants must meet one or more of the criteria listed below. They must:

1. Work in nonprofit company
2. Work in Green Business certified company; or
3. Work in high technology company
4. Be utilizing employer tuition assistance or tuition reimbursement funds
5. Currently employed in an IT position
6. Previously employed in an IT position, unemployed within the last 12 months

Applicants must submit proof of employment (recent paystub), company background and current job description to [scholarships@ciat.edu](mailto:scholarships@ciat.edu).

**Eligible programs:** Students enrolled in Associate of Applied Science Degrees, or Certificate programs with minimum 8 courses are eligible up to \$2,500 per student based on the eligibility criteria. All other Certificate programs are eligible for up to \$1250, depending on program length.

### Women in Technology Scholarship

Women working in science, tech, engineering, and math (STEM) careers currently represent a mere 20% of the job force. This gender gap has been a longstanding issue within the tech community. As a result, CIAT's Women in Technology Scholarship is designed to support students who self-identify as female to help bridge this divide. Women in Technology Scholarships of up to \$2,500 per student are available. Let's shatter the glass ceiling together!

**Eligible programs:** Students enrolled in Associate of Applied Science Degrees, or Certificate programs with minimum 8 courses are eligible up to \$2,500 per student based on the eligibility criteria. All other Certificate programs are eligible for \$400 – \$1250, depending on program length.

### Presidential Tuition Scholarship

Presidential Tuition Scholarships of up to \$2,500 are available to students depending on the program in at least one of the following categories:

1. Educationally and economically disadvantaged persons who have been historically underrepresented at higher education institutions,
2. Single parents with demonstrated financial need,
3. Persons with a verified disability and financial need

Applicants must also meet all the eligibility criteria listed below. They must:

- Have an annual income below \$30,000 for single applicants of \$45,000 for a family of two or more,
- Submit official transcript,
- Apply for federal financial aid,
- Be a U.S. citizen or eligible non-citizen.

**Eligible programs:** Students enrolled in Associate of Applied Science Degrees, or Certificate programs with minimum 8 courses are eligible up to \$2,500 per student based on the eligibility criteria. All other Certificate programs are eligible for \$400 – \$1250, depending on program length.

### New Bachelor's Degree Scholarship

CIAT got you covered! The scholarship offers up to \$15,000.00 based on the financial need in the last two years in the Bachelor's Degree program. The CIAT's new Bachelor's Degree scholarship is considered a "last money" scholarships and is designed to supplement military educational benefits or loans when those funding benefits are exhausted during the current CIAT degree program. This scholarship is not intended to replace federal and state financial aid, employer tuition assistance, or student income. This scholarship will only be used to help fund up to the last few courses in a student's academic degree program, helping bridge the gap to degree completion. Concurrent receipt of this scholarship and Chapter 30, Chapter 31, Chapter 33, Chapter 35 or Active Duty Tuition Assistance is not allowed. This scholarship will be applied evenly in the last two semesters in the program.

Applicants must also meet the eligibility criteria listed below. They must:

1. Show proof of exhausted benefits/loans
2. Show proof of funding gap during the financial consultation

### Pell Grant Match Scholarship

CIAT will match the amount students would have qualified for in Pell Grants, with the award funds being equivalent for programs eligible for Title IV funding. CIAT's new Pell Grant Match Scholarship is considered a "last funding" scholarship and is designed for students enrolling in upper division Bachelor's Degree programs to supplement military educational benefits or loans when those funding benefits are exhausted. This scholarship is not intended to replace federal and state financial aid, employer tuition assistance, or student income. This financial need scholarship will only be used to help fund up to the last few courses in a student's academic degree program, helping bridge the gap to degree completion. Concurrent receipt of this scholarship and Chapter 30, Chapter 31, Chapter 33, Chapter 35, or Active-Duty Tuition Assistance is not allowed. This scholarship will be applied evenly in the last two semesters in the program. Applicants must submit a 500-word essay and required documentation using the application form below:

1. Be registered in a Bachelor's Degree program,
2. Show proof of exhausted benefits/loans,
3. Show proof of funding gap during the financial consultation.

### CIAT Graduate Scholarship

The CIAT Graduate Scholarship is eligible for students who have completed one CIAT degree program and are enrolling in a secondary degree program (not eligible for certificate programs) for up to \$7,500. CIAT's new scholarship is considered a "last funding" scholarship and is designed to supplement military educational benefits when those funding benefits are exhausted during the current CIAT degree program. This scholarship is not intended to replace federal and state financial aid, employer tuition assistance, or student income. This financial need scholarship will only be used to help fund up to the last few courses in a student's academic degree program, helping bridge the gap to degree completion. Concurrent receipt of this scholarship and Chapter 30, Chapter 31, Chapter 33, Chapter 35 or Active Duty Tuition Assistance is not allowed. This scholarship will be applied evenly in the last two

semesters in the program. Applicants must submit a 500-word essay and required documentation using the application form below:

- Show proof of exhausted tuition benefits
- Show proof of funding gap during the financial consultation

Eligibility Criteria: Associate Degrees

### Frontline Heroes Scholarship

CIAT's Frontline Heroes Scholarship of up to \$2,500 in tuition assistance is available for students who are working as a part-time or full-time employee in healthcare, police, fire services, or public services. Applicants must submit proof of employment (recent paystub) and current job description. Applicants must also submit a 500-word personal statement covering the following:

- Why did you select Technology as your career?
- How is CIAT going to help you achieve your personal and career goals?
- Where do you see yourself in 5 years?

Eligibility Criteria: Students enrolled in Associate or Bachelor Degree programs are eligible up to \$2,500 per student based on the eligibility criteria. This scholarship is designed to support students in financial need after employer tuition assistance and federal grants are applied. Concurrent receipt of this scholarship and Chapter 30, Chapter 31, Chapter 33, Chapter 35, Active-Duty Tuition Assistance, and other CIAT scholarships are not permitted.

### Academic Achievement & Early Placement "Booster" Scholarship

CIAT's Academic Achievement & Early Placement "Booster" Scholarship of up to \$2,500 in tuition assistance is available for the most dedicated students committed to succeeding in their academic and employment goals. CIAT will invest in your success. To be accepted, students must apply during their initial enrollment. The scholarship will be awarded upon degree completion and will be applied to the final semester of tuition given the student has satisfied the following criteria throughout the program:

- Cumulative GPA 3.0+
- Attendance 90% & GPA 2.5+
- Achieve early IT placement (prior to graduation)

Applicants must also submit a 500-word personal statement covering the following:

- Why did you select Technology as your career?
- How is CIAT going to help you achieve your personal and career goals?
- Where do you see yourself in 5 years?
- What personal strategies do you have in place to ensure your academic success?

Eligibility Criteria: Valid for students enrolled in Associate or Bachelor Degree programs starting April 2023 – November 2023. Students are

eligible to receive up to \$2,500 and may be combined with one other CIAT scholarship. This scholarship is designed to support students in financial need after employer tuition assistance and federal grants are applied. Concurrent receipt of this scholarship and Chapter 30, Chapter 31, Chapter 33, Chapter 35, Active-Duty Tuition Assistance is not permitted. If a student applies for the Academic Achievement Scholarship and does not meet the criteria upon graduation, the student's financial balance will be updated, and the scholarship will be removed. To satisfy the early IT placement scholarship criteria, the student must complete the CIAT employment verification form and receive confirmation by the CIAT Career Services Department.

## Repayment of Loans

If a student obtains a loan to pay for an educational program, the student will have the responsibility to repay the full amount of the loan plus interest, less the amount of any refund. If the student has received student financial aid funds, the student is entitled to a refund of the money not paid to CIAT from the student's federal financial aid program funds held by CIAT.

## Collection Policy

It is the normal policy of CIAT to collect all tuition and fees in advance. However, on occasion we may extend credit and set up payment plans for the convenience of our students. The following applies to any such payment plans agreed to between CIAT and the student, or the student's third-party responsible for payment to CIAT:

1. Students are responsible for paying their student account balances in full by the payment deadline, whether they have received statement notification or not. Students should adhere to the billing due to date to avoid having their registration suspended. Students with unresolved account balances will be unregistered.
2. All balance and payment notifications are sent to student's CIAT e-mail addresses. Students are responsible to maintain their correct e-mail addresses with the College.
3. Student accounts not covered by financial aid, or an approved payment plan may accrue monthly finance charges on the unpaid balance.
4. If a student account obtains a balance later in the semester, a balance hold will be added to the account which will block students from participating in registration for future semesters.
5. Students who leave CIAT with an outstanding balance may be reported to a collection agency and will be responsible for all collection fees and interest charges.

**For those students, who have taken out student loans (Federal, State, or private), collection of that debt will be in accordance with the lender's policies.**

## Student Tuition Recovery Fund Disclosures

(a) A qualifying institution shall include the following statement on both its enrollment agreement and school catalog:

"The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss. Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program, who is a California resident, or are enrolled in a residency program, and prepay all or part of your tuition.

**You are not eligible for protection from the STRF and you are not required to pay the STRF assessment, if you are not a California resident, or are not enrolled in a residency program."**

(b) In addition to the statement required under subdivision (a) of this section, a qualifying institution shall include the following statement in its school catalog:

"It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, **1747 North Market Blvd., Suite 225, Sacramento, California, 95834, (916) 574-8900 or (888) 370-7589.**

To be eligible for STRF, you must be a California resident or are enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.
2. You were enrolled at an institution or a location of the institution within the 120 day period before the closure of the institution or location of the institution, or were enrolled in an educational program within the 120 day period before the program was discontinued.
3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.
4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.
5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.

6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.
7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of non-collection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four (4) years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four (4) year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number."



## Financial Aid Assistance

Under the direction of Vice President of Compliance, Financial Aid Administrators assess students' resources to determine the best method of meeting their financial obligations. Financial Aid Administrators are thoroughly knowledgeable of all funding sources available and are prepared to tailor plans to meet individual students' needs. Eligible Title IV funding programs are as follows:

- Associate of Applied Science in Computer Information Systems (AASCIS)
- Associate of Applied Science in Business Data Analytics (AASBDA)
- Associate of Applied Science in Software Development (ASD)
- Certificate in Computer Information Systems (CCIS)
- Certificate as Cisco Networking Professional, Enterprise (CCNP-ENT)
- Certificate in Software Development
- Certificate as Networking Technician
- Certificate as Cloud Administrator

**Only the National City, California Campus is eligible to offer federal student aid at this time.** For more information regarding Financial Aid, please contact Financial Aid Department at [financialaid@ciat.edu](mailto:financialaid@ciat.edu).



To apply for financial aid from the U.S. Department of Education, students must complete the Free Application for Federal Student Aid (FAFSA) <http://www.fafsa.ed.gov/>. The Federal School Code for CIAT is **042598**.

The Financial Aid Office is committed to providing assistance to qualified students who would otherwise be unable to pursue the attainment of their educational and professional goals. Most, but not all, financial aid is based on financial need as determined by the Free Application for Federal Student Aid (FAFSA). Some types of scholarship aid do not depend on student financial need. "Need" can be defined most simply as the difference between the total cost of attendance and those resources that the student and his or her family are expected to apply toward that cost of attendance.

The Financial Aid Office coordinates federal, state, institutional, and private financial assistance programs. The Financial Aid Office is responsible for ascertaining that all policies and procedures comply with institutional, state, and federal regulations. There are many restrictions on eligibility for most financial aid programs offered at CIAT. Students are expected to be aware of their rights, responsibilities, and the restrictions of the aid programs in which they participate. Several publications that describe students' rights and responsibilities with regard to aid programs are available in the Financial Aid Office.

Financial aid funds awarded while attending CIAT are intended to supplement the resources students and their families already have available to them. All aid applications undergo a needs analysis calculation to determine the minimum amount of resources they will need to contribute to the total cost of the student's education. Students should not expect their total financial need to be met by resources available through student financial aid programs.

Students who intend to request financial assistance are expected to arrange an appointment with a financial aid officer as soon as registration has been completed. Financial aid officers are available on a walk-in or appointment basis to provide individual counseling to students who apply for financial aid.

### Eligibility for Title IV Aid Programs

CIAT students must meet the following criteria to be eligible for federal or state financial assistance:

- Be a U.S. citizen or eligible non-citizen,
- Be enrolled in a program that leads to a degree,
- Not be in default on any loan under the Title IV programs,
- Not owe a refund on any grant under the Title IV programs,
- Demonstrate financial need as determined by the appropriate agency offering the financial assistance,
- Make satisfactory progress toward an educational objective (See "Satisfactory Academic Progress."),
- Have a high school diploma or recognized equivalent,
- Be enrolled in one of CIAT's Title IV qualified programs.

### Dependency Status

Students who apply for financial aid must determine whether they qualify as independent (self-supporting) students or as dependent students. Determination of a student's dependency status is made in the student status section on the Free Application for Federal Student Aid (FAFSA).

If ANY of the following circumstances apply to you, you are an independent student; you will not have to provide parental information. If NONE of the following circumstances apply to you, you will be asked to provide parental information:

- You are 24 years or older,
- You are married,
- You will be working on a master's degree,
- You are serving on active duty in the U.S. Armed Forces,
- You are a veteran of the U.S. Armed Forces,
- You have children, and you provide more than half of their support,
- After you turned age 13, both of your parents were deceased,
- You have dependents (other than children or your spouse) who live with you, and you provide more than half of their support,
- You were in foster care since turning age 13,
- You were a dependent or ward of the court since turning age 13,
- You are currently or you were in legal guardianship,
- You are currently or were an emancipated minor,
- You are homeless or you are at risk of being homeless,

Students who claim to be independent may be asked to provide documentation to verify their dependency status prior to receiving financial aid. Students who want to be considered independent due to circumstances other than those listed should contact a financial aid officer prior to completing the FAFSA.

### Dependency Override

To request a dependency override, send a letter to [finance@ciat.edu](mailto:finance@ciat.edu) asking for a dependency override. Summarize the circumstances that justify the dependency override. Provide copies of independent third-party documentation of the special circumstances, such as letters from social workers, clergy, doctors, or others who are familiar with your situation. Policy reports documenting domestic violence and abuse can be helpful.

Dependency override are for one year at a time. Financial Aid Administrators will verify that the unusual circumstances that justified the dependency override in a previous year continue to apply.

The decision whether a student qualifies for a dependency override is made by the college's Financial Aid Administrator. This decision is final. There is no appeal beyond the Financial Aid Administrator. Neither the college's president nor the U.S. Department of Education has the legal authority to overturn the decision of the college's financial aid administrator concerning a professional judgment review or dependency override. The authority to perform dependency overrides is specifically restricted to financial aid administrators in [20 USC 1087\(d\)\(1\)\(I\)](#).

### Insufficient Justification for a Dependency Override

None of the following circumstances are sufficient justification, even in combination, for a college financial aid administrator to perform a dependency override:

- A student cannot qualify as an independent student because the parents choose to not claim the student as a dependent on their federal income tax return, not even if the student demonstrates total financial self-sufficiency.
- A student cannot qualify as an independent student because the parents refuse to contribute to the student's education.
- A student cannot qualify as an independent student because the parents refuse to provide information on the FAFSA.
- A student cannot qualify as an independent student because the parents refuse to participate in verification.
- A student cannot qualify as an independent student because the student's parents live in another country.

### Professional Judgement

A Financial Aid Administrator may use Professional Judgment (PJ), on a case-by-case basis only, to alter the data elements used to calculate a student's Expected Family Contribution (EFC). In addition to documenting such a decision in the student's file, the Financial Aid Administrator must also report the PK to the CPS using FAA Access to CPS Online.

### Participating Programs

#### Federal Programs

CIAT participates in the following financial programs:

- Federal Direct Loan Subsidized and Unsubsidized
- Federal Parent Loan for Undergraduate Students (FPLUS)
- Federal Pell Grant
- Federal Supplementary Educational Opportunity Grant (FSEOG)

### Application Process for Federal Programs

**This section applies to U.S. citizens and permanent residents only.**

Most United States citizens and permanent resident graduate students may qualify for U.S. federal financial aid programs or for aid from the state of California. In order to qualify, students must complete the Free Application for Federal Student Aid (FAFSA), which provides an in-depth analysis of the financial condition of the student and his/her family. This analysis (done on a yearly basis) determines how much the student/family is expected to contribute toward the cost of education. This figure is called the "expected family contribution," or EFC. Parents' income and asset information is included in the EFC calculation for dependent students. To determine if you are independent from your parents for financial aid, you will need to answer the questions on the FAFSA application.

Students who received financial aid for the previous year should receive a renewal email from the Federal Department of Education or your Department of Education PIN number sometime in January. Students are encouraged to file their renewal FAFSA applications electronically at <http://www.fafsa.ed.gov>.

If you do not receive a Renewal email from the Federal Department of Education or if you did not apply for Financial Aid for the previous year, but wish to apply for coming award year, you should do the following:

- **Complete the Free Application for Federal Student Aid (FAFSA).** You may complete the FAFSA online at <http://www.fafsa.ed.gov>. Regardless of how an applicant completes the renewal FAFSA, the March 2 priority filing deadline applies for undergraduate and graduate students to be eligible for campus-based aid. Applicants should make sure the Institution Code for CIAT (**042598**) is indicated on their FAFSA or Renewal Form.
- It is the student's and/or applicant's responsibility to obtain and file all the forms by the proper deadlines in order to be considered for aid at CIAT. Students selected for verification will have 30 days from the date of notification to turn in all necessary documents.

For entering students, notification of financial aid is given in the form of an estimate letter shortly after admission. Accepted students also receive information and forms concerning application for other available loan programs.

### Determining Financial Need

Financial aid eligibility for need-based aid is determined using the following formula:

Cost of Attendance - Expected Family Contribution = Financial Need

Financial need is the difference between what a family is expected to contribute toward the cost of the education and the actual cost of the education. For example, if the cost of education is \$20,000 per year including both tuition and living expenses in the local area, and the family is expected to contribute \$5,000, then the student's need is \$15,000.

The aid students receive from all sources of aid (including non-need-based aid) may not exceed their cost of attendance. Many students may choose only to seek aid for the cost of tuition and fees, since their housing, food, and other basic household costs are supported with ongoing family income.

### Course Load & Financial Aid Programs

#### Full-time

Undergraduate students: 12 units of required coursework toward degree completion

#### 3/4-time

Undergraduate students: 9 units of required coursework toward degree completion

#### Half-time

Undergraduate students: 6 units of required coursework toward degree completion

### Federal Programs

To be eligible for the Federal Direct Loan Programs, a student must be enrolled at least half time in units related to the identified program of study.

Students enrolled less than half time are not eligible for the Federal Direct Loan programs.

### Cost of Attendance and Standard Student Expense

Cost of attendance includes the following items:

- Tuition
- Fees
- Books and Supplies
- Room and Board
- Transportation
- Other Educational Costs

Students can meet with a financial aid officer to discuss itemized totals for expenses.

### Student Loan Fund Release Policy (Disbursement)

Annual Financial Aid awards will be divided by the number of terms for which the student is enrolled and disbursed by term as long as the student meets the eligibility requirements for the aid.

If all paperwork, Stafford entrance test, verification and loan funds are received, student loan funds may post to the student's school account within the first two weeks of the first day of the term. However, Department of Education rules allow fourteen (14) days from the first day of the term to return excess payments to students. Any questions regarding delay in financial aid refund after aid has dispersed to the student's statement should be directed to the Financial Aid Office.

### Loan Repayment

If a student obtains a loan to pay for an educational program, the student will have the responsibility to repay the full amount of the loan plus interest, less the amount of any refund, and that, if the student has received federal student financial aid funds, the student is entitled to a refund of the money's not paid from federal student financial aid program funds.

### Financial Aid Probation

A student on financial aid probation may receive financial aid despite the determination that he/she did not maintain satisfactory academic progress. However, if it is determined that the student will not make satisfactory academic progress by the end of the semester in which he/she is on probation, a written academic plan must be developed by the Student Services Department and signed by the student. The plan is designed to ensure that the student will be able to meet the standards of satisfactory academic progress by a specified point in time. As part of the academic plan, the Student Services Coordinator may require the student to repeat some or all of the courses in which the student previously

received a grade of "D," "F," or "W" before attempting any other courses in the student's program of study.

In order for the student to qualify for further financial aid, he/she must meet the required Cumulative Grade Point Average (CGPA) and Incremental Completion rate (ICR) standards by the end of the semester in which he/she is on probation or be successful in following the academic plan. If the requirements are not met, the student will be dismissed from the program of study.

### Mitigating Circumstances

Mitigating circumstances may include poor health, death in the family or other significant occurrences outside the control of the student. These circumstances must be documented by the student to demonstrate that they had an adverse impact on the student's academic performance. The student is responsible for providing any requested written verification of mitigating circumstances.

### Title IV Code of Conduct

The Higher Education Opportunity Act of 2008 requires educational institutions participating in a Title IV Loan Program to adhere to a Code of Conduct which prohibits conflicts of interest between CIAT officers, employees, and agents with any lender, lender servicer, and/or guarantor. Sections 487 (a) (25) and 487 (e) of the Higher Education Act of 1965, as amended, require the development, administration, and enforcement of a code of conduct to govern federal student aid programs. Staff members of the CIAT Financial Aid Department are bound to act in compliance with the CIAT Code of Conduct, the California State Code of Conduct, and the Statement of Ethical Principles and Code of Conduct from NASFAA. Officers, employees, contract employees, trustees, professional organizations, and other organizations directly or indirectly associated with or authorized by CIAT, agree to the provisions of the CIAT Code of Conduct and will refrain from the following:

#### Revenue Sharing

No officer, employee, or agent of CIAT shall enter any revenue-sharing or profit-sharing arrangement with any lender.

#### Accepting Gifts, Goods, and/or Services

No officer, employee, or agent shall solicit or accept impermissible gifts, goods, and/or services from a private/alternative lender, lender servicer, and/or guarantor. A gift to any family member of the above mentioned is also not permissible. Gifts, goods, and/or services include: gratuities, meals, travel, lodging, entertainment (expenses for shows, sporting events, or alcoholic beverages), favors, loans, discounts, hospitality (such as private parties of select training or conference attendees), and in-kind services, such as printing customized consumer information for borrowers with the CIAT school logo. CIAT financial aid staff may accept only items of nominal value, certain services, and/or certain materials. Permissible gifts would include pens, pencils, notepads, sticky-notes, rulers, calculators, small tote bags, and other individual office supply items. An employee may accept any general items of value from a lender, lender servicer, and/or guarantor provided that the item is also offered to the



general public. CIAT financial aid staff may accept informational brochures and can participate in meals, refreshments, and receptions in conjunction with meetings and trainings that contribute to his/her professional development, as well as conference events open to all attendees.

#### **Accepting Philanthropic Contributions**

No officer, employee, or agent shall accept philanthropic contributions from a lender, lender servicer and/or guarantor that are related to the educational loans provided by the lender, lender servicer, and/or guarantor or that is made in exchange for any advantage related to the educational loan. Educational loans here include loans made by CIAT under the private/alternative loan program. CIAT will not accept scholarships or grants from a lender or guarantor in exchange for applications or referrals.

#### **Advisory Board Compensation**

CIAT employees with responsibility for any financial aid services will not accept anything of value for serving on or otherwise participating as a member of an advisory council or advisory board for a lender, lender affiliate or lender servicer, except that the employee may be reimbursed for reasonable expenses incurred while serving in such capacities.

#### **Accepting Compensation for Consulting**

No officer, employee, or agent shall accept from a lender or its affiliate any fee, payment, or other financial benefit, including the opportunity to purchase stock, as compensation for any type of consulting arrangement or other contract to provide education loan-related services to or on behalf of the lender.

#### **Lender Staff Assistance**

CIAT will not request or accept from any lender any assistance with call center staffing or financial aid office staffing. CIAT may accept, from a lender, professional development training and training materials, educational counseling materials, or staffing services on a short term, nonrecurring basis during emergencies or disasters.

#### **Competitive Rates Based on Loan Volume**

The CIAT Financial Aid Department shall not request or accept competitive rates on private/ alternative loans in exchange for a specified amount of loan activity or in exchange for endorsing the lender's FDLP loans.

#### **Lender Affiliated Employment**

CIAT financial aid staff members shall not accept full time or part time employment with any educational loan lender, lender servicer, and/or guarantor. Staff members who are approached by these entities shall immediately disclose this information to the President. CIAT will not use a Preferred Lender List; however, the financial aid office will make use of a Recommended Lender List. The CIAT Financial Aid Department may request and accept assistance from lenders and/or guarantors to conduct entrance and exit loan counseling. CIAT financial aid staff shall always be in control of the counseling sessions and will not permit the lender and/or guarantor representative to promote in any way the specific lender's products or services. CIAT will make use of the various lender and/or guarantor's materials and products to aid students in financial literacy.

CIAT is committed to providing the information and resources necessary to help every student achieve educational success and will consider the individual needs of each student. The information contained herein has been provided to all CIAT officers, employees, and agents affiliated with this college.

#### **Exit Counseling**

Federal regulations and CIAT's policy and procedures require that all recipients of federal student loans to participate in student loan exit counseling upon graduation, change of enrollment status to less-than halftime (6 credit hours), or withdrawal from the institution (official withdrawal, dismissal due to academic suspension or other reasons). The federal student loan programs include the Direct Subsidized Stafford, Direct Unsubsidized Stafford, and Direct PLUS loan programs. The purpose of the student loan exit counseling is to provide the student borrower general information to manage his or her loan debt, to assist in the preparation of loan repayment, to provide for a smooth transition from borrowing to repayment and assist the student in understanding his or her rights and responsibilities as a borrower of federal student loans.

Approximately 30 days prior to the anticipated graduation date the student is advised of the requirements to complete the loan counseling exit interview. Typically, an exit interview is performed via mail, email, in person or phone within a week of the expected cohort graduation date. CIAT offers student borrowers the option to complete the federal student loan exit counseling interview via group sessions or individual appointments at the institution. If a student completes an individual appointment or a group session, the U.S. Department of Education's publication, *Exit Counseling for Direct Loan Borrowers* is provided to the student. If a student is unable to arrange an individual appointment or group session, all federal student loan exit counseling documents are sent via certified mail to the student. All student loan borrowers are advised to utilize the NSLDS website, [www.nsls.ed.gov](http://www.nsls.ed.gov), as a reference for any questions regarding their student loan repayment obligations.

#### **Commemorating Constitution Day**

September 17 is Constitution Day and Citizenship Day (Constitution Day). This day commemorates the September 17, 1787 signing of the United States Constitution.

Each educational institution that receives Federal funds for a fiscal year is required to hold an educational program about the U.S. Constitution for its students.

### **CANCELLATION AND REFUNDS**

#### **Student's Right to Cancel**

Any student may cancel his/her enrollment at any time.

Students have the right to cancel the enrollment agreement and receive a refund of charges paid through attendance at the first-class session, or the last day of the first term after enrollment as a trial period, whichever is later. For refund calculations, after the first term period, the amount of the course completed shall be:

Degree, Certificate and Professional Development students completing at no more than 60% of the required attendance shall receive a pro rata refund based on their percentage of required attendance completed. Students completing more than 60% of required attendance will not receive a refund.

Students can fill out a drop form which includes the following information with your request:

- Full name
- Address
- Phone number
- Date of request
- Signature
- Reason for Request

Refund requests can be submitted to CIAT via **email** at [financialaid@ciat.edu](mailto:financialaid@ciat.edu)

The following sample table shows the refund amount you would be entitled to after completing a period of instruction:

Program	Tuition	20%	33.3%	60%	75%
CCIS	\$19,520.00	\$15,616.00	\$13,019.84	\$7,808.00	\$0.00
Single Class	\$2,440.00	\$1,952.00	\$1,627.48	\$976.00	\$0.00

All refunds will be processed within 45 calendar days of receiving your written request for withdrawal.

*Example: If a course is 5 weeks and the tuition is \$2,440, divide \$2,440 by 5 to get the cost per week of \$488.00. If you attended 2 weeks, you would owe \$976.00 (2 x 488.00). Therefore, you would receive a refund of \$1,464.00.*

### Involuntary Withdrawal

Involuntary withdrawal is when the student is forced to drop from the course by the school. This can be due to the student's misconduct, failure to maintain Satisfactory Academic Progress, lack of attendance or cancellation of the course or program by the institution.

For those students forced to drop by the school for misconduct, failure to maintain SAP or lack of attendance, their refund will be calculated in the same manner as a voluntary withdrawal.

### No-Starts

Students who fail to attend any classes or complete any assignments within 14 days of their first term date (class start date) shall be considered as a "no-start" and will be issued a full refund of any tuition payments made to CIAT.

### Certification Exam Fees

Fees paid by the student for Certification Exams, when no exam voucher has been issued to the student, will be refunded.

### Refunds

Refund computations will be based on scheduled course time of class attendance through the last date of attendance. Leaves of absence,

suspensions and school holidays will not be counted as part of the scheduled class attendance. Once the refund has been calculated according to the State of California, ACCET and Department of Education (If Federal Financial Aid was used) **the calculation most beneficial to the student will be used.**

If an applicant never attends class (no-show) or cancels the contract prior to the class start date, all refunds due will be made within forty-five (45) calendar days of the first scheduled day of class or the date of cancellation, whichever is earlier. The refund calculation will be calculated based on the following criteria:

- The Date of Determination (DOD) will be established based off the date of withdrawal or termination request.
- If Federal Financial Aid is used, then a Return to Title IV (R2T4) calculation will be calculated.
- Pro rata refund calculation is a calculation that is based off the total number of days completed in a payment period divided by the total number of days in the payment period and stated as a percentage. If the total number of days completed is greater than 60%, then the school has earned 100% of the payment period (no refund will be granted for the payment period the refund calculation is being processed for). Any leaves of absence (LOA) will be deducted from the payment period the student is currently in.
- If the pro rata refund calculation is less than 60%, then the percent that was earned will be stated in a dollar amount and the unearned amount will be refunded back to the appropriate funding source.
- In California refunds will be processed within 45 days of the DOD.
- The calculation most beneficial to the student will be used.

For the purpose of determining a refund under this section, the student shall be deemed to have withdrawn from a program of instruction when any of the following occurs:

- The student notifies the institution of the desire to withdraw, or the as of the date of your withdrawal, whichever is later.
- CIAT can terminate enrollment for failure to maintain satisfactory progress; failure to abide by the rules and regulations of the institution; absences in excess of maximum set forth by the institution; and/or failure to meet financial obligations to the college.
- Failure to attend class for 14 consecutive days.
- Failure to return from a leave of absence.

For the purpose of determining the amount of the refund, the date of the withdrawal shall be deemed the last date of recorded attendance and / or content access.

If any portion of the tuition was paid from the proceeds of a loan or third party, the refund shall be sent to appropriate agency or student.

Any amount of the refund in excess of the unpaid balance of the loan shall be first used to repay any student financial aid programs from which the student received benefits, in proportion to the amount of the benefits received, and any remaining amount shall be paid the student.

The technology and equipment fees will be applied to your account as a one-time fixed cost at the beginning of the program. **From the withdrawal date of determination, all equipment needs to be returned to CIAT within 30 calendar days for a prorated refund.** If the complete equipment is not returned, the equipment fees will be charged in full, and no refund is due. All tuition and fees will be prorated when determining a refund and follow the Cancellation and Refund policy.

**The refund will be calculated in both California BPPE and ACCET policies side and side. Once the refund has been calculated according to the State of California, ACCET and Department of Education, (If Federal Financial Aid was used) the calculation most beneficial to the student will be used.**

### ACCET Refund Policy

The student may withdraw from the school at any time after the cancellation period (described above) and receive a pro-rated refund if he/she has completed 50 percent or less of the scheduled days in the current payment period in your program through the last day of attendance.

- a. During the first week of classes, tuition charges withheld will not exceed 10 percent (10%) of the stated tuition up to a maximum of \$1,000. When determining the number of weeks completed by the student, the institution will consider a partial week the same as if a whole week were completed, provided the student was present at least one day during the scheduled week.
- b. After the first week and through fifty percent (50%) of the period of financial obligation, tuition charges retained will not exceed a pro rata portion of tuition for the training period completed, plus ten percent (10%) of the unearned tuition for the period of training that was not completed. (See example.)
- c. After fifty percent (50%) of the period of financial obligation is completed, the institution may retain the full tuition.

### Refund Computation Example

45 weeks of training; scheduled start on January 2nd; scheduled completion on November 11th. Student is financially obligated for the entire program, 45 weeks of training:

- Tuition is \$21060.00.
- Last date of attendance is May 19th.
- Number of weeks student attended 20 weeks = 44.4%
- Number of weeks financially obligated 45 weeks
- Pro rata portion completed based on 20 weeks = 44.4%
- 44.4% of \$21060 tuition = \$9350.64
- 10% of \$11709.36 (unearned) tuition = \$ 1170.94 (Max. \$1000)
- Owed to institution = \$10350.64
- Refunded to student by February 28th = \$10709.36

When calculating a refund, the percentage of tuition retained by the institution is based on the portion of tuition attributed to the portion of the program the student was attending when the student dropped, not the tuition charge for the entire program listed on the enrollment agreement.

### Payment of Refunds

Payment of all refunds will be made to the payer of the initial funds, in the form of a check for payments made in cash or check to CIAT, and by refund to the credit card used, if the original payment was made by credit card. VA refunds will be paid in accordance with VA regulations.

### Reimbursement to Veterans and VA Eligible Persons

For information or resolution of specific payment problems, the veteran should call the DVA nationwide toll-free number at **1-888-442-4551**.

### Withdrawal and Return of Title IV Funds

Federal regulations require Title IV financial aid funds to be awarded under the assumption that a student will attend the institution for the entire period in which federal assistance was awarded. When a student withdraws from all courses for any reason, including medical withdrawals, he/she may no longer be eligible for the full amount of Title IV funds that a student was originally scheduled to receive. The return of funds is based upon the premise that students earn their financial aid in proportion to the amount of time in which they are enrolled. A pro-rated schedule is used to determine the amount of federal student aid funds he/she will have earned at the time of the withdrawal. Once 60% of the semester is completed, a student is considered to have earned all his/her financial aid and will not be required to return any funds.

The refund of Title IV Funds policy is separate and distinct from the CIAT refund policy. Federal formula for Return of Title IV funds may result in a larger refund than the state/accreditation refund policy. In that case, CIAT will return the sum resulting in the larger of the two calculations to the appropriate Title IV program. Therefore, the student may, after Title IV funds are returned, owe a balance to the school. The school may also attempt to collect from the student any Title IV program funds that the school was required to return. Federal law requires schools to calculate how much federal financial aid a student has earned if that student completely withdraws or stops attending before completing the semester.

### TYPE OF WITHDRAWALS:

A student's official withdrawal date is determined by using one of the following:

- Official withdrawal date on the student's Schedule of Change Drop form.
- The date the student submitted the notification to withdraw to the Registrar's office.
- The date the student was expelled/dismissed from the school.
- The date of the withdrawal determination shall be the date of return from the leave of absence or the date the student notifies the institution that the student will not be returning, whichever is earlier.

A student's unofficial withdrawal date is determined by using one of the following:

- The date the student died if the student passed away during the course.
- The last date that the student attended class.
- The student must inform in a timely fashion, in person or by email if personal appearance is not possible.
- The student failed to attend classes for 14 consecutive days and fail to inform the Academy that they are not withdrawing. The date of determination would be 14 days from the last date of attendance.

**NOTE:** When a student has a Direct Loan and fails to return from a Leave of Absence, the grace period starts on the last day of attendance before the Leave of Absence.

#### **Return of Title IV Funds (Earned versus Unearned Aid)**

CIAT determines the percentage of Title IV aid “earned” by the student and to return the unearned portion to the appropriate aid programs. The calculation will be based upon only the amount of the Title IV Aid for which the student is eligible. CIAT performs refund calculations and will return the funds within 45 days of the calculation. The R2T4 calculation process and return of funds is completed by the Finance Department.

For example, if a student completes 30 percent of the payment period, they earn 30 percent of the aid they were originally scheduled to receive. This means that 70 percent of the scheduled awards remain “unearned” and must be returned to the federal government. Once 60% of the semester is completed, a student is considered to have earned all his/her financial aid and will not be required to return any federal funds.

#### **Withdrawal Before 60%**

CIAT performs an R2T4 calculation to determine the amount of earned aid up through the 60% point in each payment period. CIAT will use the Department of Education’s prorate schedule to determine the amount of R2T4 funds the student has earned at the time of withdrawal. After the 60% point in the payment period, a student has earned 100% of the Title IV funds he/she was scheduled to receive during the period.

#### **Withdrawal After 60%**

For a student who withdraws after the 60% point of his/her program, there are no unearned funds. However, CIAT will still determine whether the student is eligible for a post-withdrawal disbursement.

#### **Calculating Earned Financial Aid**

The amount of earned financial aid will be calculated on a daily basis from the first day of classes. The process uses calendar rather than business days. Earned aid will be determined by taking the number of days attended before enrollment ended divided by the total number of days in the term (first day of instruction until the last day of term, excluding winter break). CIAT will notify the student via written notice if he/she is owed a repayment. The student has 14 calendar days from the date the school sent the notification to accept a post-withdrawal disbursement. If

a response is not received from the student within the permitted time frame or the student declines the funds, CIAT will return any earned funds that the school is holding to the Title IV programs. Post-withdrawal disbursement will occur within 120 days of the date the student withdrew. This policy applies to students who withdraw (officially, unofficially) or are dismissed from enrollment at CIAT.

THE SCHOOL’S RESPONSIBILITY IN REGARDS TO THE RETURN TO TITLE IV FUNDS ARE AS FOLLOWS:

- To provide students with the information contained in the R2T4 Policy.
- Identifying students who have withdrawn and will be affected by the R2T4 Policy.
- Return all unearned Title IV Funds in compliance with The Department of Education requirements.

THE STUDENT’S RESPONSIBILITIES IN REGARD TO THE RETURN TO TITLE IV FUNDS ARE AS FOLLOWS:

- Return unearned Title IV Funds that were disbursed to the student where the student was deemed ineligible, based on the R2T4 calculation.
- When possible, the student should notify the school in writing of official withdrawal.
- If the student cancels their decision to withdraw, the student must notify the school in writing within three business days of the date of the original withdrawal.
- All requests to withdraw or cancel a request to withdraw must be delivered to the school’s financial aid office.

Student borrowers of the Direct Stafford Loans are required to attend or complete online an Exit Interview before leaving school.

#### **Post-Withdrawal Disbursement**

If the student did not receive all of the funds that were earned prior to withdrawing, a post-withdrawal disbursement may be due. If the student is eligible for a post-withdrawal disbursement of a grant, it must be disbursed within 45 days. If the post-withdrawal disbursement includes loan funds, the student must give permission before the funds can be disbursed. Students will be notified within 30 days of the date of the withdrawal determination of any direct loan eligibility, or a parent for a Direct Parent PLUS Loan eligibility. Permission is required to use the post-withdrawal grant disbursement for all other school charges. If a post-withdrawal disbursement from a loan results in a credit balance, the credit balance will be refunded to the student and/or the parent in the case of a Direct Parent PLUS Loan as soon as possible, but no later than 14 days after the credit balance has occurred. The school must return the Title IV funds within 45 days of the date the school determines the student withdrew. *34 CFR §668.22(a) (5) and (6), 34 CFR §668.164 (j) and (h).*

## FINANCIAL AID RESOURCES

### CIAT Private Financing

A number of private outside agencies offer students alternative sources for financing their education. Unlike federal loans, the terms of private loans are set by the individual lenders. The interest rate and fees are determined by student's credit history, debt-to-income ratio and that of student's co-signer.

Students are encouraged to consider all federal loan options before applying for a private loan. Federal loans generally have better benefits and fixed interest rates. See the Department of Education's Federal Aid First site for more information. You can also contact our office if you have questions.

We chose to list the lenders below based on a review of competitive interest rates and fees, quality of servicing, and borrower benefits. For more information, please contact [finance@ciat.edu](mailto:finance@ciat.edu):

- Credit Climb
- Sallie Mae
- Tuition Options

### Financial Aid

CIAT is approved to participate in the U.S. Department of Education Title IV Financial Aid program and offers the following financial aid programs to those who qualify:

#### Federal Pell Grant

Grant aid assistance does not have to be repaid unless the student withdraws from school and owes a refund. Amounts vary based on the financial need of each applicant. Grants are available through the federal government. All students who are U.S. citizens or eligible non-citizens are eligible to apply if they do not have a Bachelor's Degree. Pell Grants are awarded based on financial need.

#### Federal Supplemental Educational Opportunity Grant (FSEOG)

These federal funds are awarded to undergraduate students with exceptional financial need who are pursuing their first undergraduate degree. Priority is given to Federal Pell Grant recipients with zero (0) - 200 Expected Family Contribution (EFC) and on a first come first serve basis.

#### Federal Direct Student Loan Program Subsidized/ Unsubsidized Student Loans

These are long-term, low-interest loans borrowed directly from Direct Loan as the lender and loans must be repaid.

There are two types of Direct Loans – subsidized and unsubsidized. Eligibility for subsidized Direct Loans is based on financial need (demonstrated via the FAFSA or Renewal Form) and they are only available to undergraduate students. Students who do not demonstrate (sufficient) need may borrow unsubsidized Direct Loans. Maximum loan eligibility is indicated on each student's financial aid award letter. When

students are eligible for a subsidized Direct Loan, the government pays the interest that accrues on the loan while in school. Students receiving an unsubsidized Direct Loan are charged the interest on the loan while in school, in grace period and in deferment.

The interest rate for a Subsidized and Unsubsidized Stafford loan for undergraduate students is variable with an 8.25% cap.

#### Parent Loans for Undergraduate Students (PLUS)

Once a FAFSA has been completed by both the student and parent(s), a credit check must be completed on the parent to determine eligibility for a Direct Plus Loan. An origination fee will be deducted from the Direct Plus loans by the Department of Education. Repayment begins 60 days after the loan is fully disbursed. There is a minimum required payment of \$50 per month.

*Note: It must be made extremely clear to all who do qualify for Title IV Loans that these are indeed loans from the U.S. government and must be repaid per the terms of the loan.*

If a student should withdraw at any time during their program the refund policies set forth shall apply. In no way does withdrawal of any kind release the student from their obligation to pay the school for all scheduled attendance or from repayment of borrowed monies.

#### Federal Loan Interest Rates

The "Bipartisan Student Loan Certainty Act of 2013 amends the Direct Loan interest rate section of the Higher Education Act of 1965. The new rates will be the sum of a uniform "Index Rate" plus an "add on" that varies depending on the type of loan (Subsidized/ Unsubsidized/ PLUS) and the borrowers' grade level. Interest rates for Subsidized/ Unsubsidized loans will be the same for undergraduates, with a different rate for graduate/professional students and for PLUS Loans taken out by parent/graduate/professional student borrowers. The index rate is determined each year as the "high yield of the 10-year treasury note" plus a statutorily defined "add-on". The interest rate, once established, will apply for the life of the loan (fixed rate). Any loans originated on or after July 1 through June 30 will be locked into the established rate. There will be a new interest rate published each year for loans originated from July 1 to June 30.

#### Veterans Affairs (VA) Benefits

CIAT is approved to train veterans and qualified dependents that are eligible for Veteran's Administration Educational benefits. Those depending solely on VA benefits should have all paperwork completed with CIAT's Finance office at least two weeks before the first day of class. If you believe you are eligible, contact the VA at 888-442-4551 or [www.gibill.va.gov](http://www.gibill.va.gov) to confirm your eligibility and begin the process of activating your benefits. More information about education benefits offered by VA is available at the official U.S. government website at <https://www.vets.gov/education>.



CIAT complies with S.2248-Veterans Benefits and Transition Act of 2018 section 103. CIAT will not assess or implement any late fees for at least 90 days from the date of certification, for any covered individuals which are using Chapter 33 or Chapter 31 VA Educational Benefits.

Covered individuals must provide the school with the following:

- A Certificate of Eligible (COE) (a printout of the student's summary of benefits page from eBenefits is enough to meet this requirement),
- Application of enrollment (Course Registration Form) submitted to the Certifying Office so that proper certification can be submitted to the VA.

CIAT is approved to offer the following VA Educational Benefits to qualifying veteran students:

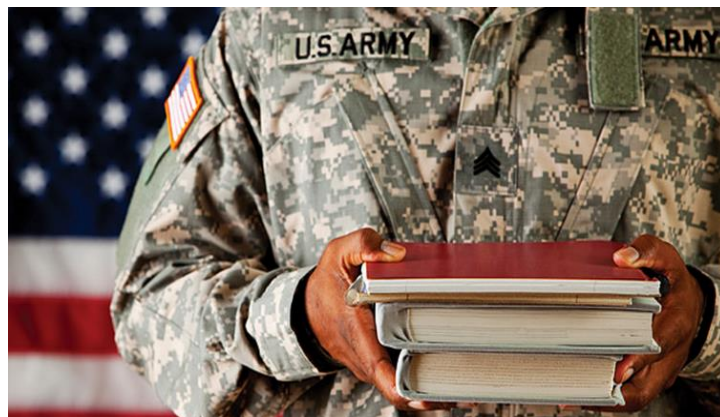
- Chapter 33: Post 9/11 GI Bill®
- MGIB-SR/Chapter 1606
- REAP/Chapter 1607
- DEA/Chapter 35
- VOC REHAB/ Chapter 31
- MGIB-AD/Chapter 30
- MyCAA
- Yellow Ribbon Program

CIAT is approved to offer below programs under VA Educational benefits:

- Applied Bachelor's Degree in Computer Information Systems
- Associate of Applied Science in Computer Information Systems, Networking Concentration
- Associate of Applied Science in Software Development
- Certificate in Computer Information Services, Networking Concentration
- Certificate as Cisco Network Associate
- Cisco Certified Network Associate/ Certificate as Cisco Networking Professional, Enterprise
- Certificate in Software Development
- Certificate as Microsoft Office Specialist
- Certificate as Computer Technician
- Certificate as Networking Technician
- Certificate in Cloud Administration

This catalog will be updated to reflect any programs that gain or lose approval for VA Educational Benefits.

*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 <http://www.benefits.va.gov/gibill>.*



### Tuition Assistance (TA)

The Tuition Assistance (TA) program funds are a unique, distinct source of financial aid available to eligible Service members. Military Tuition Assistance is a benefit paid to eligible members of the Army, Navy, Marines, Air Force, and Coast Guard. Each service has its own criteria for eligibility, obligated service, application processes and restrictions. This money is usually paid directly to the institution by the individual services. Eligible Service members must receive approval from an Educational Service Officer (ESO) or counselor within the Military Service prior to enrolling.

Additionally, active duty members may elect to use the MGIB "top-up" in addition to their service provided TA to cover high cost courses. TA is not a loan; it should be viewed as money the student has earned just like student's base pay.

### Tuition Assistance Approval Steps

- Step 1: Inform your command & receive direct authorization from your Educational Service Officer (ESO) or military counselor.
- Step 2: Complete required policy & procedures training.
- Step 3: Define your educational goals through education counseling.
- Step 4: Submit your education plan documents to your college counselor.
- Step 5: Submit TA application in the designed branch Education Portal.

### Scholarships

CIAT offers many different Scholarship opportunity for students who qualify. Unlike student loans, scholarships do not have to be repaid. See Scholarships section in the catalog for information on eligibility and submission requirements for CIAT scholarships, Pg. 14.

## **STUDENT INFORMATION**

### **Academic Assistance**

CIAT provides academic assistance and tutoring services for students experiencing academic difficulties. Instructors are available by appointment to assist with any area of difficulty, and students may be required to participate in extra help or tutoring sessions to maintain satisfactory enrollment. For academic assistance to be beneficial, students must be as committed to their own success as the school is and take the initiative to discuss their difficulties with their instructors and/or Student Services. Special tutoring or Test Preps are available to students experiencing academic difficulty on an as needed basis.

### **Advising**

Staff have an open-door policy and try to be readily available to assist students with any school or personal issues. Faculty is available minimum 30 minutes prior to the start of each class. For additional time, Instructors are available by appointment to assist. If necessary, students are referred to other professional organizations for assistance.

### **School Staff Appointments**

The staff makes every effort to be readily available to any student that wishes to speak with them. Sometimes, however, schedules do not provide for an immediate meeting. Students may arrange a meeting with any administrator through their instructor or via telephone. Every attempt will be made to schedule and conduct a meeting within 24 hours.

### **Student Orientation**

After the admission's process is completed the Student Services will ensure that the student receives a proper orientation in being a student at CIAT. Student orientation is mandatory for all students. Orientation for on-ground students is normally held on the week prior to the start of the term. Online students are required to watch a prerecorded orientation prior to the first day. Professional Development students attending CIAT Boot Camps do not need to complete the orientation checklist but will be shown the Orientation Power Point Presentation during their first session of class.

This meeting is to welcome new students and introduce them to the school's policies and procedures. Attendance and grading policies form a part of the orientation information, which also includes projected graduation dates, holidays, and vacations pertaining to the relevant enrollment period. During student orientation, students get to meet different staff members, activate student ID cards, email account, learning management portal accounts and many more. It is a great way to start the program.

### **Academic Schedule**

#### **Flexible Start Times**

CIAT's classroom, guided self-study and online programs offer flexible start opportunities. Classes begin every five weeks. Please see the

Academic Calendar in this catalog for actual start dates during the time period covered by this catalog.

Upon enrollment, an Admissions Advisor will work with you to create a schedule that honors your work and family commitments while still achieving your educational objectives in the shortest practical timeframe. If your circumstances change for any reason, your schedule can be revised to meet your needs. Please contact us for more information.

### **Course Duration – Full Time or Part Time**

Full Time students are expected to complete each course within a five-week period (Term). Students will spend 4.5 hours at least two days per week in the classroom attending lectures and getting hands-on instruction. Online students can expect to receive synchronous and asynchronous time in face-to-face interaction with your online instructor. Additional time will be spent each week on homework, discussion questions, projects, quizzes, exams, labs and other types of lectures. For more information on Online, please refer to Interactive Distance Learning (IDL) Pg. 26.

For students who are receiving Federal Student Aids, please refer to Course Load & Financial Aid Programs Pg. 20. For VA purposes, Part time is considered as half-time attendance and will result in a reduction in the housing allowance you may receive if otherwise eligible.

Bootcamp classes are fast paced intensive courses for those with extensive prior experience and who need a fast track to Certification and/or Licensing for Professional Development. They normally run for 8 hours a day, 5 days per week, Monday through Friday. Students may enroll for no more than four consecutive Boot Camps as a Professional Development student. Professional Development students completing all the required courses, with successful certification, to qualify for a Program Certificate from CIAT, may petition the Registrar for issuance of that Certificate. Upon approval by the Registrar and the President, the student will receive the appropriate Certificate of Program Completion.

### **Payment Period**

There are three terms in a semester (15 weeks) and each semester is CIAT's payment period. Depending on the student's first term date, he/she's payment period will be determined.

**Veteran Students using VA Benefits to pay for any portion of their training will be invoiced on a term basis instead at the beginning of each payment period.**

### **Clock Hours vs. Semester Hours**

CIAT uses Semester Hours to measure its degree programs and associated courses. This is in keeping with standard practice of most degree granting institutions. Each Semester Hour is equal to 15 lecture hours or 30 lab hours of class time. Most of the courses in our degree program are 4 semester hours (3 semester hours of lecture and 1 semester hour of lab) and thus represent approximately 75 hours of class time. Conversely our courses when offered as part of a Certificate program are set at 75 clock hours. Clock hours are more commonly used when talking about

Certificate programs, especially vocational programs. The courses are essentially the same but utilizing the two different credit accounting methods allows us to more easily compare our courses to other institution's courses when evaluating transfer credits. Most institutions of higher learning expect that their students will spend approximately two hours for each hour of instruction outside the classroom on homework and self-study.

For the purpose of Title IV Federal Financial Aid, CIAT measures our programs in Semester Hours as follows:

Semester Credit hours definition of credit hour: Measures credit hour in terms of the amount of time in which a student is engaged in academic activity (course ware, labs, hands on, lecture, and homework) are 37.5 clock hours:1; that is a minimum of 37.5 hours to award 1 semester credit (divide program hours including homework by 37.5). **34CFR Section 668.8 (1) (2).**

## Class Information

### Class Location

Classes are currently held at our main campus at 401 Mile of Cars Way, Suite 100, National City, CA 91950, and our second campus at 1717 Louisiana Blvd NE Ste 208, Albuquerque, NM, 87110, and online. You will be advised of the classroom being used when you register for your courses. Onsite classes at your location may be arranged for Professional Development courses. Minimum class sizes may be imposed to cover the expense of providing onsite classes. Please contact an Admissions Representative for further information.

### Classroom Facilities and Equipment

Each student is provided with a laptop computer for classroom use and access to lab equipment. There is a media center with access to the Internet, a printer, hardcopy reference books, office supplies and a telephone/fax. The campus has plenty of parking and is located close to public transportation.

### Class Size

An average class size for any class or lab at CIAT is 15 students, and maximum 30 students in class.

### Interactive Distance Learning (IDL)

Online learning is different from classroom-delivered instruction and there are advantages and disadvantages to each. The advantages of IDL are rapidly gaining as technology enables students learning at a distance to feel more connected than ever before. Students must be self-motivated, have an up-to-date computer, a high-speed Internet connection, and a distraction-free place to study. Faculty and student interaction will be available by online video conference, LMS discussion boards, email, phone, and chat. CIAT classes use a combination of all or some of the following to provide quality distance learning:

1. Online Video Lessons
2. Online Quizzes/Exams

3. Certification preparation software
4. Live instructor available for conferences and personal sessions
5. Online Labs
6. Discussion questions

In our distance learning classes, all interaction with our instructors is via electronic means, primarily the internet, but your instructor will also exchange communications with you via email, texting and telephone. All emails, texts and voice messages will be answered no later than the next business day. Since all quizzes, tests, projects and labs are completed online, you will know your results immediately upon completion. Final course grades are posted within one week of the course completion and may be viewed on the school's Student Portal database. Students may check their progress at any time using the Student Portal. For those classes where written projects are required, such as essays for the General Education English courses, they are also submitted electronically and will be graded and returned electronically within 5 business days of submission.

For additional information to see if IDL programs are right for you, contact an Admissions Advisor at 1-877-559-3621 or [info@ciat.edu](mailto:info@ciat.edu).

### Minimum Hardware & Software Requirements

Every student is required to have a personal computer to successfully complete their coursework. To support your career readiness, the hardware and software requirements are designed to mimic equipment that you are likely to use in the workforce. Successful completion of coursework, virtual labs, certification exams, and coding assignments require a personal computer that meets the minimum hardware and software requirements outlined.

If you do not have access to a personal computer of your own, you have three options to pursue prior to the start of your program:

- Purchase a personal computer (many retailers will provide student discounts with proof of enrollment).
- Enroll in the CIAT Loaner Laptop program for a \$50 monthly fee.
- Apply for a Financial Hardship Waiver to receive financial assistance with a loaner laptop.

ITEM	RECOMMENDED SPECIFICATION
Hardware	<ol style="list-style-type: none"> <li>1. PC Laptop, Notebook, or Desktop with USB, Ethernet ports, &amp; 100GB of free hard drive space</li> <li>2. Macs, Chromebooks, iPads, tablets, or mobile devices are NOT supported</li> </ol>
Processor (CPU)	<ul style="list-style-type: none"> <li>• Intel i5 or better</li> <li>• AMD A12 or better</li> </ul>
Operating System (OS)	<ul style="list-style-type: none"> <li>• 64-bit Microsoft Windows 10 or newer (Mac OS and Linux are not supported)</li> </ul>
RAM (Memory)	<ol style="list-style-type: none"> <li>1. 8 GB or higher</li> </ol>
Browsers	<ul style="list-style-type: none"> <li>• Chrome 83 or newer</li> <li>• Firefox 78 or newer</li> <li>• Edge 83 or newer</li> </ul>



## Study Suggestions

The first thing you should do is schedule some time, about 2 to 3 hours every day, to dedicate yourself to online study and reading assignments. You have from six months to three years to complete your program, depending on the program you have chosen. But, with a little time management, you can complete the program in a much shorter period of time. It's up to you! How soon you want to graduate depends on how much time you're willing to invest.

Other areas for study can be found in the course syllabus, provided to you by your instructor. The syllabus contains the suggested textbook and course outline.

## Certification Testing

### CIAT Certification Exam Policy

Many CIAT programs teach the skills employers require on-the-job. To validate these skills, you are encouraged to take any associated industry certification exams. The taking and passing of industry certification exams is not required for completion of your Program but is highly recommended to improve your success at finding employment in the IT industry.

CIAT will provide students with a certification exam voucher per course upon successfully passing the course and completing two Designated Practice Exams (DPE) at a 90% pass rate or higher. Once the certification exam voucher has been delivered, students are encouraged to schedule and take the certification exam within 15 business days. Students have up to 180 days after graduation to request certification exam vouchers and participate in CIAT's Unlimited Certification Attempt policy.

CIAT's Unlimited Certification Exam Attempt policy allows for students to retake most industry certification exams at no extra cost. The following are single-attempt exams and are not eligible for a retake voucher: CEH, CASP+, CISSP, Cisco DevNet, CCNP ENCOR (350-401), CCNP SD-WAN (300-415), and CCNP Enterprise Routing and Services (300-410).

After two failed attempts for the same exam, students are required to attend a tutoring/test prep session before receiving an additional complimentary exam voucher. Signed documentation of the test preparation will be required prior to issuing the certification exam voucher. Each exam attempt will require the above steps.

Certification exam vouchers are not provided for courses where transfer credit or challenge exam credit is applied. Certification voucher benefits and test preparation support terminate immediately upon withdrawal from the program. If a student is granted readmission to complete their certificate or degree program, all certification voucher benefits, and test preparation support will be reactivated.

Students with documented disability accommodations on file in their student record will receive extended time to request and take DPEs, up to 270 days after graduation.

The measures taken to prepare graduates for their optional certifications include:

- Individual courses containing multiple unit exams, a final exam, labs to help students experience practical use of the course materials.
- Test prep materials to test a student's knowledge to better ensure they are prepared to take an exam.
- Test vouchers and test registration for graduates so that each examinee knows when and where their exam will be held.
- Testing is provided on-site at the campus for multiple certifications including CompTIA, Microsoft, and Cisco.

**Students forfeit the right to the same complimentary certification exam vouchers for violating the rules for at-home testing and/or missing their scheduled exam for any reason.** Students must pay for the missed exam out of pocket before moving onto receiving the next complimentary certification exam vouchers. If you need to cancel or reschedule your exam, you must do so 24 Hours before your scheduled exam time.

## Types of Awards

### Honor Roll

Students who achieve scholastic distinction in a standard quarterly in a year, as evidenced by a grade point average of 3.80 or higher in at least 12 semester credit hours in a semester, with no grades of "D+", "D", "D-", "F", "W", "I" or "NC".

### President's List

Students who achieve scholastic distinction in a standard quarterly in a year, as evidenced by a grade point average of 4.00 in at least 12 semester credit hours in a semester, with no grades of "D+", "D", "D-", "F", "W", "I" or "NC".

### Certified Guru

Students who pass one industry certification distinction in a standard quarterly in a year will be recognized as a Certified Guru.

### Graduation with Honors Cum Laude

At graduation, AAS degree candidates with a 3.5 to 3.7 cumulative Grade Point Average (GPA) will receive special recognition as graduating with Honors Cum Laude.

### Graduation with Honors Magna Cum Laude

At graduation, AAS degree candidates with a 3.8 to 3.9 cumulative Grade Point Average (GPA) will receive special recognition as graduating with Honors Magna Cum Laude.

### Graduation with Honors Summa Cum Laude

At graduation, AAS degree candidates with a 4.0 cumulative Grade Point Average (GPA) will receive special recognition as graduating with Honors Summa Cum Laude.

No degree candidate shall be eligible for graduation with any Honors listed above if, at the time of graduation, disciplinary action has been taken against the student by CIAT.

## Dual Certificate/Degree

Students pursuing a Certificate or Degree and completing the requirements for a lesser included Certificate (such as a CCIS or AACIS student completing the first five courses, which completes the Certificate as a Computer Tech Program) may petition the school for issuance of the lesser Certificate. A nominal fee of \$50.00 will be charged to cover the cost of issuing the Certificate.

## Transcripts

CIAT provides transcripts for our students upon submitting a request to [transcripts@ciat.edu](mailto:transcripts@ciat.edu). You may print an unofficial transcript at any time by logging into the student portal. Official Transcripts may also be requested at any time and will be printed and signed on Friday but may not be mailed until Monday. Official Transcripts cannot be emailed, they must be submitted to the receiver in a sealed envelope. We must have specific authorization in writing from you to send a transcript, official or unofficial, to a third party, such as a potential employer, current employer, or another school. Contact the Registrar's Office for further information on transcripts.

## Changes to Programs and Courses

The world of Information Technology is rapidly and constantly changing. In order to ensure that CIAT students are receiving the best possible education to make them eminently employable in the IT workforce, CIAT reserves the right to change without notice the content of our courses and the courses that are included in our programs. Rest assured that you will always receive training that is in your best interest for pursuing your career in Information Technology.

## Career Development

CIAT offers Career Development to all graduates pursuing employment in their field of study. The Placement Coordinator develops and maintains close relationships with local businesses so that they may keep abreast of current employment opportunities to which graduates may be referred. Although no institution can guarantee employment, CIAT makes every effort to help ensure that each graduate is prepared to effectively compete in the job market as they pursue their new career.

## Career Services

### Policy for Job Placement Assistance

It is the policy of California Institute of Arts & Technology to provide job placement assistance and career counseling to students and graduates. CIAT does not guarantee placement or employment to its applicants, students or graduates. CIAT faculty and staff are cautioned and advised to ensure that no such guarantee is ever made or implied in any advertising, brochures, lectures and/or statements to applicants, students or graduates.

### Job Placement Assistance Services Provided

CIAT's Placement Coordinator is responsible for providing career counseling and job placement assistance. At a minimum the following services will be provided:

**Resume review and assistance:** CIAT's Placement Coordinator will offer advice on how to prepare resumes and cover letters. The Placement Coordinator will also review student prepared resumes and offer constructive criticism and advise the student on how to improve their resume skills. CIAT does not write or provide pre-written resumes for their students. Online students, not in the local area may forward their resumes and cover letters to [studentserviceteam@ciat.edu](mailto:studentserviceteam@ciat.edu) for review and recommendations. CIAT's Placement Coordinator will offer an open office session on the last Friday of each month for assisting students in resume and cover letter creation.

**Internet job search resources:** CIAT's Placement Coordinator will maintain a listing of potential employer website addresses. CIAT students will be provided with a list of employers by email upon request. CIAT's Placement Coordinator will contact potential employers and request permission to place links to the employer's employment opportunities web pages on CIAT's website. Employers will be offered the ability to contact CIAT, through the CIAT website, for information on our training programs and availability of trained students for employment.

**Interviewing skill improvement:** CIAT students will be offered appointments with CIAT's Placement Coordinator for practice job interview sessions. Distance learning students will be offered this opportunity utilizing video or teleconferencing. These services will also be available during the monthly open office session conducted on the last Friday of each month.

**Internships:** Although not often available, CIAT's Placement Coordinator will work with employers who express a desire to offer internships for CIAT students. Any available internship will be made available to CIAT students via email or phone invitation.

**Career guidance:** Student Services will gather information on current career paths and trending demands in the information technology field and make this information available to all CIAT students and graduates. Student Services will also be available during the monthly open office session to discuss career options with students. Students are encouraged to talk to the Director of Student Services or submit career information requests to Student Services via email or telephone at any time.

## Annual Campus Safety & Crime Reports

CIAT is committed to providing a safe and secure educational environment for our students, staff, faculty, and visitors. CIAT adheres to a supports federal statute "20 U.S.C. 1092(f) Disclosure of Campus Security Policy and Campus Crime Statistics Act" also known as the "Clery Act". This law requires all colleges and universities that participate in federal financial aid programs to disclose and report campus crimes on an annual basis. Furthermore, the law requires that this information be available to current and prospective students and employees.

### Annual Security Report

CIAT publishes the policies and procedures for reporting crimes, as well as the types of crimes that have been committed on or near the campus in the Annual Campus Safety and Crime Statistics Report. This publication is distributed by October 1st annually to all students and employees, available to prospective students and employees upon request, and are published online at <https://www.ciat.edu/wp-content/uploads/2018/10/CAMPUS-SECURITY-POLICY-AND-CAMPUS-CRIME-STATISTICS-ACT.pdf>. Paper copies can be obtained at any time from Student Services Manager/ Title IX Coordinator.

### Reporting a Crime

Students and employees should promptly report all criminal actions and emergencies occurring on or around CIAT campus facilities to the Student Services Manager/ Title IX Coordinator, Vice President of Compliance or President either in person or by calling **877-559-3621**. Reporting incidents of sexual assault, dating violence, domestic violence, and stalking is necessary to ensure victims of such conduct receive appropriate services and information, to track incidents or identify patterns, to protect the campus community from future incidents, and to fulfill CIAT's reporting obligations under the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act.

In the event of fire or medical emergencies, staff and employees should contact the local police department by dialing **911** and then notify the Vice President of Compliance or President.

### Emergency Response

In the event of a report of a dangerous or emergency situation to any staff member, the staff member will contact the Director of Student Services or any other Executive staff member to report the situation. The Director of Student Services and/or executive staff will review the situation, and if appropriate confer with the local law enforcement agency or other first responders to confirm the issue(s) involved and determine if activation of the Emergency Notification system is warranted. In the event of a confirmed emergency situation, the executive staff will determine the appropriate campus population to receive notification and determine the content of the notification, which will then be passed on to the staff members for immediate dissemination to the campus community via blast email and/or verbally to all students/staff present on campus providing the notification would not compromise the ability to contain the emergency or endanger additional students or staff members.

### Timely Warning

Timely Warnings, also called "Public Safety Notices", are provided to give students, faculty and staff notification of crimes that are considered by CIAT to present a serious or continuing threat to the campus community and to heighten safety awareness. CIAT will prepare a Timely Warning Notice when a report is received of a violent crime against a person or a particularly threatening crime against property on campus that represents an ongoing danger to the safety of students, faculty, and staff. Timely Warning Notices are distributed by e-mail to all students, faculty, and staff. E-mails are drafted and distributed by the Student Services

Manager/ Title IX Coordinator. In some circumstances, Timely Warning Notice fliers may be posted in campus buildings and on the website [www.ciat.edu](http://www.ciat.edu).

## Privacy Policies

### Student Records

CIAT students have the right to view their personal student records at any time during normal business hours. Should the student require a printed copy of their record, they must request in writing or email that a copy be provided. CIAT will print and provide the copy at no cost to the student if they pick it up in person at the National City campus. Printed copies will be sent to the student only, via a traceable service for a \$15.00 fee. CIAT retains student records indefinitely. If a student wishes to review a copy of their record, they should contact the Student Services Department at the San Diego Campus, Tel: 877-559-3621. Student records are confidential; however, we will release information to a third party when required by law or with approval of the student upon written request. The request must be made in writing to CIAT Student Services:

CIAT, Attention: Student Services  
401 Mile of Cars Way, Suite 100,  
National City, CA 91950

**OR**

CIAT, Attention: Student Services  
1717 Louisiana Blvd NE Ste 208,  
Albuquerque, NM, 87110

Unless a release is provided, CIAT limits disclosure of student records to those authorized by law.

### Student Addresses

Students have the responsibility to notify Student Services each time their information changes. Student information changes can be made in person or by email to [studentservicesteam@ciat.edu](mailto:studentservicesteam@ciat.edu).

### Social Security Numbers

Social security numbers are collected from prospective and current students, for administrative coordination and record identification purposes only. The social security number is a confidential record and is maintained as such by the school in accordance with the Family Educational Rights and Privacy Act (FERPA) and the Gramm-Leach Bliley Act (GLBA) to safeguard the security and confidentiality of consumer information.

### Policy on Student Names

CIAT's policy regarding student names and name changes require that the name on the student record should be the student's complete and legal name. In evaluating and processing all name change requests, the school reserves the right to require adequate and appropriate documentation as warranted.

### Confidential Information

With the exception of directory information listed in the annual FERPA notice, all student records are considered to be confidential and are open only to school officials. A school official is a person employed by CIAT in an administrative, supervisory, academic, research, or support staff position. A school official also may include a volunteer, contractor or externship outside of CIAT who performs an institutional service of function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of personally identifiable information from education records, such as an attorney, auditor, employers or collection agent or a student volunteering to assist another school official in performing his or her tasks. CIAT's notification of rights can be found in this catalog under Family Education Rights Privacy Act (FERPA) Policy. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for CIAT.

### Family Educational Rights and Privacy Act (FERPA) of 1974

The Family Education and Privacy Act was enacted by Congress to protect the privacy of student educational records. This privacy right is a right vested in the student. Generally:

1. Institutions must have written permission from the student in order to release any information from a student's educational record.
2. Institutions may disclose directory information in the student's educational record without the student's consent.
3. It is good policy for the institution to notify the student about such disclosure and to seek the written permission of the student to allow disclosure of any educational records including directory information.
4. Institutions should give the student ample opportunity to submit a written request that the school refrain from disclosing directory information about them.
5. Institutions must not disclose non-directory information about students without their written consent except in very limited circumstances.
6. Institutions should notify students about their rights under FERPA through annual publications.
7. When in doubt, it is always advisable to err on the side of caution and to not release student educational records without first fully notifying the student about the disclosure.

Finally, the school should always seek written consent from the student before disseminating educational records to third parties.

Student records will be maintained on site at the administrative site for five years from the last date of attendance. Transcripts are maintained permanently.

## SERVICES

### Books and Classroom Supplies

CIAT does not operate a "Book Store" and does not sell classroom supplies. We do not buy-back used textbooks.

### Computer Lab with Internet Access

CIAT has computers with internet access for classroom assignments, research, and mock employment interviews.

### Common Areas

CIAT provides space for students to relax and study, as well as eat and drink. Vending machines are conveniently located for purchasing snacks and refreshments. All students are asked to treat common areas as they would their place of employment and keep the areas clean.

### Food Services

CIAT provides coffee, tea, and filtered water service to its students. A refrigerator, toaster-oven and microwave oven are available for student use in the student lounge. Vending machines providing a variety of food and drink items are also available in the student lounge. A deli is conveniently available in the building complex across the street and is open Monday through Friday for breakfast and lunch. Information on additional dining choices in the neighborhood will be provided during student orientation.

### Library and Librarian Services

CIAT has a resource center on-site, and an online library is available to the student for a modest fee. The City of San Diego provides library services at multiple locations throughout the San Diego area, all available free of charge for all CIAT students. Our Student Services also serves as the Librarian for CIAT and is available to assist all students in locating research and reference materials both online and physically.

### Housing Facilities

CIAT does not provide dormitory facilities but will assist students in finding accommodation for the duration of the course. Hotel accommodation is widely available locally with an average cost of \$100 to \$125 per night depending on the season.

### Loaner Laptop

Every student is required to have a personal computer to successfully complete their coursework. To support your career-readiness, the hardware and software requirements are designed to mimic equipment that you are likely to use in the workforce. Successful completion of coursework, virtual labs, certification exams, and coding assignments require a personal computer that meets the minimum hardware and software requirements outlined.

The CIAT loaner laptop rental program helps you get started with your degree or certificate program, removing barriers to your success. If you are undergoing a significant financial hardship, students may apply for the financial hardship waiver. CIAT has a limited number of loaner laptops available per term.

If you do not have access to a personal computer of your own, you have three options to pursue prior to the start of your program:

- Purchase a personal computer (many retailers will provide student discounts with proof of enrollment).
- Enroll in CIAT Loaner Laptop Rental program for \$50 per month.
- Apply for a Financial Hardship Waiver to receive financial assistance with a loaner laptop.

To apply, please visit, <https://www.ciat.edu/student-resources/loaner-laptop>

## Medical Services

No medical services are provided by CIAT.

## Parking

CIAT does not charge for parking on our campuses. No parking passes are needed to utilize this parking. However, overnight parking is not permitted, and vehicles left overnight may be towed without notice. There are several marked "Reserved" parking spaces in the front lots. Please do not park in these spaces. Since we share the parking with other complex tenants, the lot may occasionally be full. In that case, parking along the street is available. Do not park in the parking lot for the vacant restaurant east of the school.

## Visitors

CIAT welcomes visitors. All students are encouraged to invite parents, friends, and relatives to the school to visit at any time. All visitors must check in at the front desk. Staff will make themselves available to answer questions as they arise.

## Services for Students with Disabilities

### The Rehabilitation Act

Title V. of The Rehabilitation Act of 1973 is generally regarded as the first civil rights legislation on the national level for people with disabilities. Section 504 of The Rehabilitation Act is a program access statute. It prohibits discrimination on the basis of disability in any program or activity offered by an entity or institution receiving federal funds.

#### Section 504 states (as amended):

"No otherwise qualified person with a disability in the United States... shall, solely on the basis of disability, be denied access to, or the benefits of, or be subjected to discrimination under any program or activity provided by any institution receiving federal financial assistance." The Americans with Disabilities Act (ADA) is a federal civil rights statute that prohibits discrimination against people with disabilities. There are four sections of the law: employment, government, public accommodations, and telecommunications. The ADA provides additional protection for persons with disabilities in conjunction with the Rehabilitation Act of 1973. The ADA is designed to remove barriers, which prevent qualified individuals with disabilities from enjoying the same opportunities that are available to individuals without disabilities. In relation to Section 504 of The Rehabilitation Act, the ADA states: "Institutions that receive federal funds are covered under Section 504. The ADA does not supplant Section 504, but in those situations where the ADA provides greater protection

the ADA standards apply. Therefore, postsecondary institutions must adhere to both the Rehabilitation Act and The Americans with Disabilities Act."

### Disability Services Policy Statement

CIAT recognizes and accepts its obligations under The Americans with Disabilities Act of 1990 and The Rehabilitation Act of 1973 prohibiting discrimination on the basis of a disability and requiring that reasonable accommodations be provided to qualified disabled students in all programs and activities within the control of the institution, provided such accommodation would not impose an unreasonable burden on the school or other students. A student is eligible for consideration for accommodations and/or auxiliary aids and services if the student has a disability and the Director of Student Services has met with the student, consulted with the Vice President of Compliance, and determined that the functional limitations of the disability require such accommodation, auxiliary aids and/or services.

CIAT is committed to providing reasonable accommodations including auxiliary aids, language assistance and/or services to qualified individuals with a disability, unless providing such accommodations would result in undue burden or fundamentally alter the nature of the relevant program, benefit or service provided by CIAT. To request language assistance, auxiliary aids, or services, please contact the Director of Student Services at the campus. Students should submit requests with supporting documentation at least six weeks prior to the beginning of the first day of classes or as soon as practical.

The Vice President of Compliance and the Director of Student Services manage determination of reasonable accommodations and compliance with the ADA and Rehabilitation Act for students jointly. No student shall be retaliated against for seeking accommodation under this policy or for participating in good faith and in a reasonable manner in any review procedures concerning CIAT for its alleged noncompliance with The Americans with Disabilities Act of 1990 or the Rehabilitation Act of 1973.

Individuals with visual impairments must be provided with the "Equal Opportunity is the Law" notice and the "Complaint & Incident Report Policy" notice in alternative formats (e.g., by being read aloud and then provided in audio format to be retained by the employee and applicant). A record that such notice has been given to the employee and applicant in an alternative format shall be included as a part of the employee's and applicant's file.

### Definition of Disability

According to Section 3 of the Americans with Disabilities Act of 1990 (ADA), the term "disability" means, with respect to an individual,

1. Having a physical or mental impairment that substantially limits one or more of the major life activities of such individual;
2. Having a record of such an impairment; or
3. Being regarded as having such impairment.



### Otherwise Qualified Applicant

A student who provides CIAT with sufficient evidence of a disability meeting the standards established by the ADA or Section 504 is eligible for appropriate accommodations and services, provided the student is an otherwise qualified applicant. In order to be considered an otherwise qualified applicant, a student with a disability must be capable, either with or without accommodations, of fulfilling the essential requirements of a program of instruction.

### Determining Appropriate Accommodations

Students with disabilities who are seeking accommodations at CIAT should schedule an individual meeting with the Student Services Manager. Once appropriate documentation has been submitted, reasonable and appropriate accommodations will be implemented based on the student's specific disability and the functional impact of the disability on the student's daily activities and academic obligations.

### Disability Grievance Procedure

If a student believes any CIAT employee has discriminated against him or her because of a disability, he or she has the right to seek a review of such concerns. Students have the option of pursuing a formal grievance. When filing a formal grievance, the student should first present his or her concern in writing to the Student Services Manager. Upon receipt of this notice of grievance from the student, the Director of Student Services will undertake a review of the unresolved complaint during which time the Director of Student Services may request additional documentation of the student's disability. Once all the information has been received and reviewed, the Director of Student Services will present the results of this review in writing to the student.

If the Director of Student Services is unable to produce a resolution to the student's satisfaction, the student may submit a formal written appeal to the Vice President of Compliance of CIAT. This written appeal should include a brief description of the disputed decision and/or perceived discrimination, reasons why the student believes the decision was in error and a short description of a proposed resolution to the disputed decision. Once all information has been reviewed, the Vice President of Compliance will provide a written response regarding the determination to the student. This response will state the final determination regarding the requested accommodation and/or discrimination and the specific reasons supporting the decision. Every effort will be made to produce this final determination in a prompt manner.

### Complaint Procedures

If a student believes that CIAT is not in compliance, she or he may file a written complaint with the Office of Civil Rights and/or the New Mexico Higher Education Department:

#### U.S. Department of Education Office for Civil Rights

Lyndon Baines Johnson Dept. of Education Bldg.  
400 Maryland Avenue, SW  
Washington, D.C. 20202-1100  
Telephone: 800-421-3481  
Fax: 202-453-6012; TDD: 800-735-2922

Email: [OCR@ed.gov](mailto:OCR@ed.gov)

To file a complaint online: <https://ocrcas.ed.gov/>

## COMPLAINTS AND GRIEVANCES

### CIAT Grievance Policy

CIAT maintains an open-door policy. If a student has a concern of any kind, it should first be discussed with the instructor. If the student is not satisfied with the result of that conversation the concern should be presented to the appropriate Director or Manager. If the concern is still not resolved the student is encouraged to request a meeting with the CIAT President.

If you have a complaint, we want to hear about it. Please address all concerns or complaints in writing to:

#### CIAT

##### ATTN: Student Services

401 Mile of Cars Way Suite 100,  
National City, CA 91950

#### OR

#### CIAT

##### ATTN: Student Services

1717 Louisiana Blvd NE Ste 208,  
Albuquerque, NM, 87110

Phone: 1-877-559-3621

FAX: 1-858-505-9650

Email: [info@ciat.edu](mailto:info@ciat.edu)

#### Include:

- Full name
- Address
- Phone number
- Date of request
- Signature
- Reason for complaint or grievance

### ACCET Grievance Policy

CIAT is recognized by the Accrediting Council for Continuing Education & Training (ACCET) as meeting and maintaining certain standards of quality. It is the mutual goal of ACCET and the institution to ensure that educational training programs of quality are provided. When problems arise, students should make every attempt to find a fair and reasonable solution through the institution's internal complaint procedure, which is required of ACCET accredited institutions. And frequently requires the submission of a written complaint. Refer to the institution's written complaint procedure which is published in the catalog. Note that ACCET will process complaints which involve ACCET standards and policies and, therefore are within the scope of the accrediting agency.

In the event that a student has exercised the channels available within the institution to resolve the problem(s) by way of the institution's formal student complaint procedure, and the problem(s) have not been resolved, the student has the right and is encouraged to take the following steps:

1. Complaints should be submitted in writing and mailed or emailed to the ACCET office. Complaints received by phone will be documented, and the complainant will be requested to submit the complaint in writing.
2. The letter of complaint must contain the following:

- a. Name and location of the ACCET institution;
  - b. A detailed description of the alleged problem(s);
  - c. The approximate date(s) that the problem(s) occurred;
  - d. The name, and title/position of all individual(s) involved in the problem(s), including faculty, staff, and/or other students;
  - e. What was previously done to resolve the complaint along with evidence demonstrating that the institution's complaint procedure was followed prior to contacting ACCET;
  - f. The name, email address, telephone number and mailing address of the complainant. If the complaint specifically requests that anonymity be maintained, ACCET will not reveal his or her name to the institution involved.
  - g. The status of the complainant with the institution (e.g. current student, former student etc.)
3. In addition to the letter of complaint, copies of any relevant supporting documentation should be forwarded to ACCET (e.g., the student's enrollment agreement, the syllabus or course outline, correspondence between the student and the institution).
  4. SEND TO: ACCET

**CHAIR, COMPLAINT REVIEW COMMITTEE**

1722 N Street, NW Washington, DC 20036

Telephone: (202) 955-1113 Fax: (202) 955-1118 or (202) 955-5306

Email: [complaints@accet.org](mailto:complaints@accet.org)

Website: [www.accet.org](http://www.accet.org)

**Note: Complaints will receive an acknowledgement of receipt within 15 days.**

## State Agency Grievance Policy

CIAT must provide its students or prospective students with contact information for filing complaints with its State approval or licensing entity. Any questions a student may have regarding this catalog that have not been satisfactorily answered by the institution may be directed to the following:

### California

Bureau For Private Post-Secondary Education

1747 N. Market Blvd., Ste 225

Sacramento, CA 95833

[www.bppe.ca.gov/](http://www.bppe.ca.gov/)

Phone: 888-370-7589

Fax: 916-263-1897

[Complaint Resources](#)

### New Mexico

New Mexico Higher Education Department

2044 Galisteo Street Ste 4

Santa Fe, NM 87505

[www.hed.mn.gov/](http://www.hed.mn.gov/)

Phone: 505-476-8400

Email: [HigherED.Info@hed.mn.gov](mailto:HigherED.Info@hed.mn.gov)

[Complaint Resources](#)

## ACADEMIC STANDARDS

### Attendance Policy

Class attendance is an essential part of the educational process at California Institute of Arts and Technology, and students are expected to attend all classes for which they are registered in order to facilitate their academic success. In general, academic performance is impacted by the number of classes you attend or don't attend.

All classes consist of online work and assessments completed by all students and classroom sessions for those that are available to attend. Classroom assignments will be completed during these sessions that provide hands-on experience for the student. Students with approved excused absences may be given an option to complete make-up assignments at the discretion of the instructor.

### Attendance Rules

1. Absence – Students are highly encouraged to not miss more than 2 sessions a term. Students will receive an attendance warning if the cumulative attendance percentage is below 80% upon the semester evaluation period.
2. Tardiness – Hybrid Students will be considered tardy anytime they arrive 15 minutes late during the scheduled in-class session during the 5<sup>th</sup> week of the term. Those who arrive after 15 minutes will not be allowed to participate in class and will be marked as absent unless make up hours are approved by the instructor. Online students submitting discussion threads within one working day (24 hours) of the deadline date will be marked tardy. Submitting discussion threads 24 hours after the deadline will be considered absent unless make up hours are approved by the instructor.
3. Interruption for Unsatisfactory Attendance – Students must maintain a cumulative attendance rate of 80% measured at the end of each semester. A student with less than 80% attendance will receive an attendance warning for the next semester. Failure to raise the cumulative attendance rate for two subsequent semesters in a row will require an academic appeal prior to continuing. Students who do not meet the attendance requirements for three consecutive semesters may be subject to administrative withdrawal.
4. Make-Up Work – Make-up hour needs to be comparable to the content, time, and delivery of the classes missed. Hours of makeup work cannot be accepted as hours of class attendance. It requires an interaction from the instructor.
5. Leave of Absence - Under certain conditions a Leave of Absence (LOA) may be granted but limited to 180 calendar days in any 12-month period or one-half the published program length, whichever is shorter. Such conditions may include military deployment, medical leave, and employment orders. Please review Leave of Absence policy in page 33.

## Minimum Standards of Attendance

This policy requires 80% cumulative attendance for graduation. When evaluating whether you attend a course, whether resident or online, the following constitutes attendance/academic engagement:

1. Attendance at an academically relevant event (includes physically attending class).
2. Submitting an interactive discussion threads in Canvas by the deadline (IDL learning).
  - a. Attendance check-in points for discussion threads:  
Weeks 1 -4: Tuesday (1st post), Thursday (1st reply), Saturday (2nd reply)  
Week 5: Tuesday (1st post), Wednesday (1st reply), Thursday (2nd reply)
3. Completing an instructor approved prearranged make-up assignments.
4. Simply logging into an online course, without engaging in one or more of the activities, does not qualify as academic engagement.

## Tracking Attendance

Attendance is reported on a regular basis by the instructor. CIAT has a Student Portal where you can log in and check attendance and other items. It will be your responsibility to monitor your attendance to ensure you are meeting the 80% standard. When available, you may be able to make up a missed session. See your Instructor or Student Services to request this.

If you do not agree with any of the attendance data you must submit a written appeal to the Director of Student Services as soon as possible, but no later than 30 days after the date where the attendance was recorded incorrectly.

## Make Up Hours

Make up hours must be prearranged with the instructor and must be completed outside of normally scheduled class hours but within the class term.

## Consecutive Absences

A student who is absent for fourteen consecutive calendar days without an approved leave of absence will be dismissed from school.

## Leave of Absence

CIAT understands that life events may require a student to modify class enrollment and schedules. Under limited conditions a Leave of Absence (LOA) may be granted for up to 50% of their program length, but no more than 180 days in any 12-month period, whichever is least. A student on an approved LOA will be considered enrolled at CIAT. It is important for students to understand that Federal Student Assistance (FSA) may be negatively impacted if they fail to apply for a LOA or if the application is denied.

Students who would like to request a LOA must submit a LOA request form two weeks prior to start of following term. Students requesting a LOA after the deadline may be charged with an administrative fee in the amount of \$50.00 to the student account. Students must request a LOA with formal documentation to [studentserviceteam@ciat.edu](mailto:studentserviceteam@ciat.edu) that justifies the request such as:

- Medical Documentation,
- Certified Military Orders, or
- Job Orders

Military Reservists and National Guard Members who are called to active duty for less than 50% of the program length will be granted a LOA equal to their period of active duty. If the period of active duty exceeds the 50% of the program length maximum, then the student will be dropped without prejudice and will automatically be accepted for readmission upon return from active duty.

Students who request a LOA without supporting documentation will be granted on a case-by-case basis. If there is no extenuating circumstance, CIAT may approve the student LOA one term at a time. If there is a need to extend the LOA beyond the original time approved, students must request for an extension by submitting a new LOA form, and the extension is subject to approval by Student Services. Qualified LOAs that may be granted on a term by term basis are as follows:

- Personal
- Programmatic/ Schedule conflict

Students will be administratively dropped from the program for failure to return by the return date and/or exceeding the maximum allowable length of time. Once dropped, students will be required to file an application for readmission to the program and to verify that he/she will be able to complete the program without interruption to be accepted for readmission.

Leave of Absence (LOA) inquiries can be submitted by visiting [www.ciat.edu](http://www.ciat.edu) under Student Services -> Student Forms (<https://www.ciat.edu/student-forms/>).

## Grading and Evaluation Criteria

An average of each course grade is calculated to determine your GPA for a program. Please refer to your course syllabus for information regarding the grading criteria for each course. The minimum passing grade to earn course completion credit and progress to the next course is D-. However, students must maintain a cumulative GPA of 2.0 or higher each semester period to maintain eligibility for graduation (see: Satisfactory Academic Progress Policy).

Audit (AU) –Audit students will receive a designation of “AU” on their permanent record which will not carry any academic credit because there is no measurement of the student’s performance.



**Incomplete (I)** – A grade of “I” may only be issued when a student has attended and completed at least 45% of the course sessions and is unable to complete the requirements due to uncontrollable and unforeseen circumstances. If a student doesn’t complete the class, an Incomplete will become a permanent F.

**Withdrawal (W)** – Approved withdrawal from a course during the second through the fourth weeks of the term is recorded as a “W” grade and the date of the withdrawal is noted. The withdrawal is a permanent mark with no grade points assigned. A student may receive a maximum of one “W” per course.

**Pass and No Pass (P and NP)** – Upon completion of a Boot Camp course, students will receive a grade of Pass or No Pass. Boot Camp courses are NOT applicable toward a degree or certificate programs.

Percentage %	Letter Grade	GPA
94-100	A	4.0
90-93.9	A-	3.7
88-89.9	B+	3.3
84-87.9	B	3.0
80-83.9	B-	2.7
78-79.9	C+	2.3
74-77.9	C	2.0
70-73.9	C-	1.7
68-69.9	D+	1.3
64-67.9	D	1.0
60-63.9	D-	0.7
Below 60	F	0
Audit	AU	No Credit
Authorized Incomplete	I	No Credit
Withdrawal	W	No Credit
Pass	P	No Credit
No Pass	NP	No Credit

## Satisfactory Academic Progress (SAP) Policy

### Time to Complete

California Institute of Arts and Technology’s Applied Bachelor’s Degrees are 130 semester hours which the student should complete within 175 academic weeks. Associate of Applied Science degrees are 64 semester hours which the student should complete within 85 academic weeks. Our Certificate in Computer Information Systems (CCIS) program is 32 Credit hours that the student should complete within 40 academic weeks (80 academic weeks for part-time students). The actual calendar weeks will be more, depending on the number of break weeks (Thanksgiving and Christmas/New Year) that occur during the students Program. Other sub-sets of our basic Certificate Program are offered with varying amounts of clock hours for the student to complete, again within a maximum of five weeks for each full-time course taken (10 weeks for each part-time course). And a maximum 5 days are allowed for grading of assignments in a distance education course.

## Measuring Satisfactory Academic Progress

All students enrolled in CIAT Certificate and Degree programs are required to make quantitative and qualitative progress toward their program completion.

- **Quantitative Progress** is measured by the pace of successful credits completed each semester. All students must complete their program within 150% of the program length. Depending on the program, the 150% will be calculated.
  - **BACIS/BASD:** To be making satisfactory academic progress, a student must attend 7.3 credit hours on a cumulative basis during each evaluation period.
  - **AASCIS/ASD/AASBDA:** To be making satisfactory academic progress, a student must attend 7.6 credit hours on a cumulative basis during each evaluation period.
  - **CCNP-ENT/CCIS/CCA/CNT/CCT:** To be making satisfactory academic progress, a student must attend 8 credit hours on a cumulative basis during each evaluation period.
  - **CCNA:** To be making satisfactory academic progress, a student must attend 150 clock hours on a cumulative basis during the evaluation period.
- **Qualitative Progress** is measured by the cumulative GPA earned each semester. All students must maintain a 2.0 GPA or higher on a 4.0 scale to maintain eligibility to graduate from their program.

A schedule for the student is established at the beginning of any program. There are three (3) five-week terms in a semester evaluation period. At the conclusion of each semester period, a student’s grades and progress are evaluated. If a student fails to meet the quantitative or qualitative progress requirements listed above, the student will be assigned one of the following three SAP statuses:

### Stage 1: Warning

If a student fails to meet the requirements for Satisfactory Academic Progress (SAP), the student is placed on a **Warning** status for the next semester. A Warning status does not impact a student’s academic standing, future course registration, or tuition funding. Rather, it is utilized to remind students about CIAT’s academic requirements. A registration hold will NOT be placed on the student record. The student will be advised to reserve an academic counseling session to receive extra help and support throughout the next semester.

### Stage 2: Probation

At the completion of the second subsequent semester, if a student fails to meet the requirements for Satisfactory Academic Progress (SAP), the student will be placed on **Academic Probation**. A student must attend an academic counseling session, a financial consultation, and submit a written appeal to continue with the program. A registration hold will be placed on the student record until these support measures have been completed. At this stage, the student is at risk of losing access to federal tuition funding, including government grants, loans, and/or military benefits, if their SAP status at the end of the next semester does not improve.

### Stage 3: Financial Hold

At the completion of the third subsequent semester, if a student fails to meet the requirements for Satisfactory Academic Progress (SAP), the student will be placed on a **Financial Hold** and will be unable to continue their program utilizing federal funding, including government grants, loans, or veteran benefits. A registration hold will be placed on the student record until a secondary funding source has been arranged. If a student successfully meets the requirements for Satisfactory Academic Progress at the end of the fourth subsequent semester, the financial hold will be lifted, and the student will be eligible to regain federal funding.

Incomplete grades are not given, and students must repeat any classes in which they earn less than a 60% (below D-) average. Students may repeat any classes in which they earned less than 70% (C-). If a course is repeated within the same program of study and earns a passing grade, the lowest grade will be excluded from the student's GPA calculations. Repeated courses may adversely affect a student's satisfactory academic progress in terms of the maximum time frame. Students who withdraw from the program will receive a grade of 0% in each class interrupted by the withdrawal. All interrupted classes must be repeated upon readmission to the institution.

**Students receiving VA educational benefits will be discontinued when the veteran or eligible person ceases to make satisfactory progress at the end of Academic Probation.**

### Appeal Process

A student placed on academic probation must submit a written appeal to continue with the program. This step in the academic support process is designed for CIAT to evaluate your readiness and commitment to continuing with your education and identify areas where our Student Success team can help you get back on track.

Your appeal letter will be reviewed by our Student Services Director. If approved, you'll be required to improve your academic performance by the end of the following semester evaluation period. If you do not meet the minimum academic requirements by the end of your next semester evaluation period, you may be at risk of academic suspension and/or loss of access to federal funding (Title IV grants, loans, military benefits, etc.). The student will be sent the written decision within ten days of the Institute's receipt of the appeal.

Students reinstated upon appeal are on probationary status for the next evaluation period, during which time they must meet the terms and conditions set out in the academic advising sessions. At the end of the evaluation period, and at the end of every evaluation period thereafter, the student's academic status will be reviewed. The student may continue on probation as long as they meet the terms of the academic plan approved at the time the student's appeal was granted, until such time as satisfactory academic progress status is regained. If the student does not regain satisfactory progress status by the subsequent semester, the student will be unable to continue their program utilizing federal funding.

### Returning Students

Students who withdrew from a CIAT Certificate or Degree program (by will or by academic withdrawal) and who are applying for Re-Admissions into the same program will be assigned the same SAP Stage (Stage 1 – 3) upon their entry previously documented on their student record. If a student was placed on SAP Stage 3 (Financial Hold) and lost access to Federal Financial Aid, they may submit a written appeal to regain Financial Aid eligibility upon re-entry. CIAT extraordinary circumstances will be considered, including but not limited to the death of an immediate relative, a serious illness or accident requiring medical intervention, significant, unexpected family obligations, catastrophic loss (e.g., flood, fire, etc.), or extreme personal crisis.

Students who are applying for Re-Admissions into a different program will have no SAP status designated. See Transfer Credit policy for more details.

### Maximum Time Frame

All program requirements must be completed within a maximum time frame of 1.5 times the normal program length, as measured in calendar time. The Bachelor's Degree program, 175 academic weeks (3.5 calendar years) in length, must be completed within 262 academic weeks (5.2 calendar years) of the student First Term Date. The Associate Degree programs, 85 academic weeks (1.6 calendar years) in length, must be completed within 127 academic weeks (2.5 calendar years) of the student's First Term Date. The Certificate programs, 40 academic weeks (8 months) in length, must be completed within 60 academic weeks (1.2 calendar years) of the student's First Term Date. This maximum time permitted includes any time spent on an authorized Leave of Absence but does not include scheduled school break periods.

### Failure to Complete a Program

A failure to complete a program is defined as a student who does not satisfactorily complete their program within the maximum time frame, as delineated in the above paragraph, allowed for the program. Students who fail to complete a program will be dropped and may reapply to complete their program. Upon approval by the Academic Review Board, they will be readmitted and will be required to pay an amount equal to the tuition for the remaining/additional courses they desire to take, or the full amount of any refund received upon their being dropped, whichever is greater.

### Transfer and Readmitted Students

Transfer students from outside the institution will be evaluated qualitatively only on the work completed while at the Institute.

The maximum time frame is reduced for transfer or readmitted students, based upon the remaining length of the program in which they enroll. If the student transfers in 90 hours towards a 450-hour program and therefore must complete 360 hours at the Institute, then  $(360/450 \text{ hours} = 80\%)$ , the maximum time frame is 48 weeks  $(60 \text{ weeks} \times 80\%, \text{ rounded up}) \times 150\%$  or 72 weeks.

### Scheduling

CIAT's Programs are designed to provide the student with the skills and knowledge that is in demand by employers. The programs are intended to sequence the student through the basics and then into more advanced

topics that build upon the previous courses taken. For more information on scheduling, please see page 13, under Sequence of Classes.

Students are expected to make satisfactory academic progress (SAP). Satisfactory Academic Progress is defined as satisfactorily completing courses and programs within the agreed upon schedule.

Students must maintain a minimum of 2.0 GPA overall in the program to be considered for graduation. Instructors will monitor students online and/or classroom activity to ensure optimum scores are obtained and provide direction for improvement. Courses may be extended at the discretion of the Instructor and President.

### Course Repeat Policy

Students may repeat a CIAT course for the following reasons:

1. Withdrawal from or Failure of a course.
2. Receipt of a D+ or below, if the grade results in an unsatisfactory GPA for graduation from the program.
3. Audit, Refresher or "Personal Enrichment" training after completion of a Program. No credit will be given for the course.
4. Professional Development Bootcamp courses may be repeated as desired with no limitations other than full tuition and all fees must be paid for each enrollment.

The following rules apply to repeating courses:

1. Standard tuition and fees apply to each course repeat attempt.
2. Upon failure of a course, a student will be registered in the same course, if available, the subsequent term to provide the opportunity for GPA improvement. The student must acknowledge the request to repeat the course by signing a Course Repeat form with each attempt.
3. If the repeat course is unavailable the subsequent term, the student will be registered for an alternate course that meets the program requirements.
4. If a student fails the same course after three attempts, they will be placed on a required one term leave of absence and may be subject to administrative withdraw from the program.
5. A student may submit a written appeal for a fourth and final attempt. The written appeal must address the mitigating circumstances behind the repeat course failures and what steps the student will take to regain positive academic standing. The Student Services Director will review and approve or deny the appeal request.
6. Withdrawals (W) do not count towards the total eligible attempts.
7. A maximum of four attempts is allowed for each course within a program.
8. If a student reaches 150% of their program length, they will be administratively withdrawn from the program.

### Extension Policy

A student may find the need to request an extension if unable to complete a course within the course schedule. Extensions will be given only for justifiable reasons. Under no circumstances will an extension be granted that extends the students' program length beyond 150% of the allowed length for the program.

### Failure to Complete a Program

A failure to complete a program is defined as a student who does not satisfactorily complete their program within 150% of the allowed length for the program. Students who fail to complete a program will be dropped and may reapply to complete their program after six months. Upon approval by the Academic Review Board, they will be readmitted and will be required to pay an amount equal to the tuition for the remaining/additional courses they desire to take, or the full amount of any refund received upon their being dropped, whichever is greater. The tuition is subject to change.

### Graduation Requirements

After completion of all required classes, the overall required GPA must meet minimum 2.0 on a 4.0 scale when letter grades are assigned and 80% cumulative attendance in order to graduate from the program.

Students will be registered into the Future Graduate Module in Canvas during the last course in the program for a smooth transition from active student status to graduate. The simple 4-step petition to graduate process will allow students to ensure he or she is cleared in all requirements to effectively exit the school. Students wishing to earn an AAS or Certificate from CIAT need to complete the module in Canvas which allows the student to review financials, verify employment (if applicable), schedule any Career Services assistance, share feedback, and update contact information. CIAT highly encourages all students to complete this step.

When students have completed all the requirements for completion of your degree or certificate program (see the Degree and Certificate Program sections of this catalog for graduation/completion requirements for your program) he or she will receive the Diploma or Certificate of Completion upon verification of student's completion by the Registrar. This will normally take six weeks. You can request your certificate via email as a printable PDF document as an optional. This will normally take one week. The diploma/certificate will be ready for pick-up or delivery by mail within 90 days of verification.

CIAT will provide only one copy as a printed document, but the student may request an additional email copy at any time. Please allow one week for us to respond to email requests for additional email copies.

**Students receiving Federal Student Aid to fund programs must either attend an exit interview with Financial Aid Administrator in person or if unable to attend the exit documents will be mailed within 30 days of graduation date via email or certified mail.**

## STUDENT CONDUCT

### Dismissal or Probation

#### Standard Code of Conduct

The following conduct shall constitute good cause for discipline, including but not limited to removal from class, written warning, probation, suspension, or termination of enrollment:

1. Cheating, plagiarism, or false representation of another's work as one's own.
2. Forgery, alteration or counterfeiting of documents.
3. Use of false identification.
4. Falsifying information/records.
5. Unauthorized use or misuse of CIAT equipment.
6. Unauthorized access, use or alteration of computer hardware, software, or data.
7. Obstruction or disruption of the educational process.
8. Engaging in, inciting, or arming someone for a public disturbance involving an assemblage of three or more persons.
9. Disturbance of the peace on CIAT premises or within the building complex that CIAT shares, including the parking lots and adjacent lawn areas.
10. Unwanted personal contact (whether physical, verbal, written, face-to-face, telephonic, electronic, or by other means that:
  - a. A student knows or should know is unwanted;
  - b. Is communicated directly to one or more specific student(s), Student Group(s), faculty, or staff;
  - c. Constitutes severe and/or pervasive, and objectively offensive, conduct, and
  - d. Does not constitute speech protected by the First Amendment to the U.S. Constitution (e.g., speech in a public forum on a matter of public concern).
11. Assault, battery, or any threat of force or violence, physical or verbal, upon a CIAT student, staff member or visitor.
12. Theft of, or damage to, or threat of damage to, property of CIAT or a CIAT student, staff member or visitor.
13. Unauthorized entry into CIAT premises.
14. Unlawful use, possession, sale, or distribution of a controlled substance on CIAT property including attendance at CIAT or a CIAT function while under the influence of a controlled substance.
15. Unlawful use, possession, sale, or distribution of alcoholic beverages on CIAT property including attendance at CIAT or a CIAT function while under the influence of alcohol.
16. Disorderly conduct on CIAT premises, including, but not limited to, inappropriate, disrespectful, insulting, and/or obscene language, lewd, indecent, or obscene conduct.
17. Possession of any type of object that can reasonably be assumed to be a weapon or explosive device on CIAT premises.
18. Violation of any CIAT policies listed in this catalog.

Additionally, the following occurrences shall also be grounds for discipline, up to and including, termination of enrollment:

1. Non-payment of tuition
2. Expired enrollment period (if applicable)
3. Failure to complete a program
4. Lack of attendance
5. Missed Assignments

#### Consequences for Violations

Whenever it has been determined that good cause exists for student discipline, CIAT shall notify the student in writing and start the investigation within 14 days. The student must attend a disciplinary hearing to ensure due process rights. This hearing shall be conducted by the Campus Security Officer who shall have the right to dismiss the charge(s) of misconduct or recommend appropriate disciplinary action. The President shall review the recommended disciplinary action and then either affirm, modify or dismiss the disciplinary action within 30 days from the date of the hearing.

#### Disciplinary Actions

Disciplinary Actions may include:

1. Verbal warning
2. Written warning
3. Written reprimand
4. Removal by the instructor – Suspension from the class for good cause, for the remainder of the day's class and at the instructor's choice the next class meeting also. The instructor's decision is final and may not be appealed
5. Probation for a specified period of time
6. Suspension for a specified period of time
7. Termination of enrollment (expulsion) at CIAT, with or without the possibility of readmission.
8. Criminal prosecution – CIAT will refer to the local authorities for prosecution any criminal activity that occurs on CIAT premises. This is in addition to any other disciplinary action taken.

#### Cell Phone Use Policy

CIAT is aware that students need to carry cell phones to stay in contact with family and employers. At the same time, cell phones are a distraction in a learning environment to other students in the classroom as well as the instructor. To avoid any unnecessary disruption at school, all devices must be muted and placed out of sight in all academic settings, including classrooms, and laboratories. Students may check and return messages during scheduled breaks. These devices should not be used near classroom doors or hallways while classes are in session.

This policy is intended to provide and maintain a classroom environment that is conducive to learning and respectful of others. On the unusual occasion of an emergency or anticipated emergency that requires immediate attention, the school can be notified, and we will pass along the message immediately. Disruption of class by any electronic device may result in an instructor's dismissal of the student for the remainder of the class period. Excessive disruptions will result in disciplinary action.

## Intellectual Property Rights Policy

CIAT is committed to providing an environment that supports the learning, teaching, scholarship, and creative activity of its faculty, students and staff. Within this context, the Intellectual Property Rights Policy is intended to:

1. Encourage excellence and innovation in teaching, scholarship and creative activities by identifying and protecting the intellectual property rights of faculty, staff, students and CIAT,
2. Encourage the notion that creative and scholarly works produced at CIAT should advance the state of knowledge and contribute to the public good,
3. Acknowledge and preserve the traditional property rights of scholars with respect to products of their intellectual endeavors (e.g., books, articles, manuscripts, and writings),
4. Guide policy and process for commercial uses of intellectual property other than the traditional products of scholarly work.

This policy covers all types of intellectual property, including works protected by copyright, patent and trade secret laws. Students and individuals who do not comply with copyright, patent and trade secret laws are subject to the full extent of the law including fines, punishment and imprisonment.

Should you have any questions, please contact your Admissions Representative or email us at: [info@ciat.edu](mailto:info@ciat.edu).

## Computer Network and Internet Acceptable Use Policy for Students

This policy shall constitute the California Institute of Arts and Technology (CIAT) Computer Network and Internet Acceptable Use Policy for students ("Policy") and applies to all students who use or access the Network. A copy of this Policy shall be provided to students. Any use of your account that violates these policies may result in your access being withdrawn and/or additional disciplinary action. Violations of these policies are considered violations of the Student Academic Honesty and Integrity policy and may result in disciplinary action up to and including suspension, expulsion, and/or referral to law enforcement. CIAT reserves the right to seek reimbursement of expenses or damages arising from student violations of these policies.

1. Reporting Misuse of the Network: In addition to following the terms of this Policy, you should report any misuse of the Network to an instructor or to an administrator at CIAT. Misuse means any violation of this policy, such as commercial use of these resources, criminal activity, inappropriate content of e-mail sent to you by someone, or any other use that is not included in this policy but has the intent or effect of harming another or another's property.
2. Term of Permitted Use: Access to the Network is a privilege, not a right, and as such it may be suspended or revoked by CIAT at any time for any reason. CIAT may also limit access depending

on student and staff schedules, equipment availability, or other constraints.

3. Uses or activities that are unrelated to legitimate CIAT purposes: Users may not, during the school day, access the Internet for purposes of personal shopping, buying or selling items, connecting with a personal web site or weblog that is not part of a class project, receiving or posting messages to web sites or blogs not part of a class project, participating in any type of gaming activity, engaging in social or hobby activities during class time, engaging in or supporting any kind of business or other profit-making activity, or for general recreational web browsing unless it is during non-class time. (Examples: Amazon, eBay, Expedia, Facebook, Drudge Report, dating services, chat rooms, poker web sites, CNN, ESPN, Halo.)
4. Netiquette: All users must abide by the rules of Network etiquette. Among the uses and activities that violate Network etiquette and constitute a violation of this Policy are the following:
  - a. Using inappropriate language, including swearing, vulgarities or other language that is suggestive, obscene, profane, abusive, belligerent, harassing, defamatory or threatening.
  - b. Using the Network to make, distribute or redistribute jokes, stories or other material that would violate this Policy or the District's harassment or discrimination policies, including material that is based upon slurs or stereotypes relating to race, gender, ethnicity, nationality, religion, sexual orientation or other protected characteristics.
  - c. Forwarding or redistributing the private message of an e-mail sender to third parties or giving the sender's e-mail address to third parties without the permission of the sender.
  - d. Creating technical difficulties for others, such as sending e-mail attachments that are too large to be accommodated by the recipient's system.
  - e. Attempting to reach Internet sites blocked by the software on school computers or to "hack" into other accounts or restricted information.
  - f. Using the Network in a manner inconsistent with the expectations of CIAT conduct of students. When using the Network, students should remember that they are representing themselves and their school to others.
  - g. Students are expected to act in a responsible, ethical and legal manner in accordance with CIAT policy, accepted rules of network etiquette, and federal and state laws.
5. Unacceptable uses: Among the uses and activities that are known to be unacceptable and constitute a violation of this Policy are the following:
  - a. Uses or activities that violate the law or CIAT policy or that encourage others to violate the law or CIAT policy. Among such uses or activities are the following:



- b. Offering for sale or use or soliciting the purchase or provision of any substance the possession of or use of is prohibited by law.
  - c. Creating, copying, viewing, transmitting, downloading, uploading or seeking sexually explicit, obscene or pornographic materials.
  - d. Creating, copying, viewing, transmitting, downloading, or uploading any materials that include the design or information for the purposes of creating an explosive device, materials in furtherance of criminal activities or terrorist acts, threatening materials or any other materials that violate or encourage others to violate the law or CIAT policy.
  - e. Unauthorized copying, modifying, intruding, or attempts to copy, modify or intrude, into the folders, files, data, work, Networks, passwords or computers of others, or intercepting communications intended for others.
  - f. Copying, downloading, uploading or transmitting student information, other confidential information or trade secrets.
  - g. Downloading and saving music or images, unless given permission by an instructor.
  - h. Engaging in harassment, stalking, or other repetitive unwanted communication, or using the Internet in support of such activities
  - i. Engaging in or supporting any kind of business or other profit-making activity.
6. Uses or activities that cause damage to property: Among such uses or activities are the following:
- a. Uploading, downloading, creating or transmitting a computer virus, worm, Trojan horse, "hacking" software or other harmful component or corrupted data, or vandalizing the property of another. Vandalism includes any attempt to hack, alter, harm, destroy or interfere with the normal operation of software, hardware, and data of another user, other CIAT resources, or the use of the CIAT Network to do any of the same acts on the Internet or outside Networks.
  - b. Uploading, downloading, copying, redistributing or republishing copyrighted materials without permission from the owner of the copyright. Even if materials on the Network are not marked with the copyright symbol, you should assume that they are protected under copyright laws unless there is explicit permission on the materials to use them.
  - c. Commercial uses. At no time may the Network or the Internet be accessed (including sending e-mail) for purposes of engaging in or supporting any kind of business or other profit-making activity. You may not sell or buy anything over the Internet, and you may not solicit or advertise the sale of any goods or

services (whether to one recipient or many, such as "junk e-mail").

## Copyright Policy and Procedures

Legally, copyright is a form of protection provided by the laws of the United States (title 17, U.S. Code) to the authors of "original works of authorship," including literary, dramatic, musical, artistic, and certain other intellectual works. This protection is available to both published and unpublished works. Section 106 of the 1976 Copyright Act generally gives the owner of copyright the exclusive right to do and to authorize others to do the following:

1. To reproduce the work in copies or recordings;
2. To prepare derivative works based upon the work;
3. To distribute copies or recordings of the work to the public by sale or other transfer of ownership, or by rental, lease, or lending;
4. To perform the work publicly, in the case of literary, musical, dramatic, and choreographic works, pantomimes, and motion pictures and other audiovisual works;
5. To display the copyrighted work publicly, in the case of literary, musical, dramatic, and choreographic works, pantomimes, and pictorial, graphic, or sculptural works, including the individual images of a motion picture or other audiovisual work; and
6. In the case of sound recordings, to perform the work publicly by means of a digital audio transmission.

It is illegal for anyone to violate any of the rights provided by the copyright law to the owner of the copyright. These rights, however, are not unlimited in scope. Sections 107 through 121 of the 1976 Copyright Act establish limitations on these rights. In some cases, these limitations are specified exemptions from copyright liability. One major limitation is the doctrine of "fair use," which is given a statutory basis in section 107 of the 1976 Copyright Act. In other instances, the limitation takes the form of a "compulsory license" under which certain limited uses of copyrighted works are permitted upon payment of specified royalties and compliance with statutory conditions. From: US Copyright Office. [Copyright Basics](#). Washington: Government Printing Office, 1999 (Circular 1). For further information about copyright, write to the [Copyright Office](#) at 101 Independence Avenue S.E., Washington, D.C. 20559-6000

## Drug and Alcohol Abuse Prevention Program

The Drug and Alcohol Abuse Prevention Program policy applies to all students and to all employees. The unlawful possession, use, or distribution of illicit drugs, controlled substances and alcohol are strictly prohibited at CIAT. Students or employees not complying with this standard will be subject to sanctions. Sanctions may include the immediate termination/probation from employment or in the case of a student, termination/probation from school.

The school will notify the student or employee in writing if the school becomes aware of any violation of this policy. The student and or employee may request a formal hearing after receiving said notice. Three members from the faculty and staff will comprise the hearing board. If the

student or employee fails to request a hearing within three business days, then immediate termination will take place.

If a hearing is requested, the board will notify the student or employee of the date the hearing will take place. The student or employee has the right to be represented by legal counsel for this purpose. The hearing board will take testimony from all individuals involved in the case.

The school's administration will be notified of the board's decision. In all cases the board's decision will be final. The school's administration will notify the student or employee of the board's decision.

### Drug Advising

Throughout California, drug prevention is a major concern. As a point of information, the school maintains a drug prevention program by referring those students' needing assistance to:

- Vista Hill Foundation  
Parent Care Family Recovery Center  
4125 Alpha Street, San Diego, CA 92113  
Phone (619) 266-0166

### Eating & Drinking in Classrooms

CIAT strives to keep its computers and laboratory equipment in top working condition to facilitate an environment that is conducive to learning and working. No food is permitted in any classroom or laboratory. Drinks with spill proof lids are allowed in classrooms only. Drinks with open or spillable lids are not permitted.

To prevent damage to the computer equipment and allow everyone to work in a clean environment, eating and drinking (without lids) in the classrooms and labs is strictly prohibited. Those found eating or drinking (without lids) in a classroom or lab will be asked to leave. These policies, while perhaps inconvenient at times, are designed to maintain the kind of environment where students can enjoy their experience in the classroom and labs.

### Non-Discrimination, Harassment & Sexual Misconduct

CIAT is an equal opportunity institution providing educational and employment opportunities, programs, and services, and therefore prohibits discrimination, harassment, and retaliation. CIAT complies with all requirements of the regulations implementing Title VI, Title IX, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination in Employment Act of 1975. This policy applies equally to all members of the CIAT community: students, faculty, administrators, staff, contract employees and visitors.

CIAT does **NOT** discriminate on the basis of race, color, religious beliefs, national origin, sex, sexual orientation, gender identity, gender expression, pregnancy, parental status, marital status, age, disability,

citizenship, veteran status or any other characteristic protected by federal, state or local law.

Individuals who experience discrimination or harassment may respond to the experience in many different ways, including feeling confused, vulnerable, out of control, embarrassed, angry, or depressed. CIAT has information available in the Student Services Office on various resources to assist individuals who have experienced discrimination or harassment, to address the effects of the incident, and to help them determine whether and how to make a formal complaint about the incident.

CIAT is committed to fostering and maintaining an educational environment which is safe, secure, and free from all forms of sexual misconduct. Any act involving sexual harassment, violence, coercion, and intimidation will not be tolerated. Specifically, CIAT strictly prohibits the offenses of domestic violence, sexual harassment, bias-related harassment, discrimination, dating violence, sexual assault, and stalking. Retaliating against an individual who has reported or filed a complaint alleging discrimination, harassment, and sexual misconduct or participated as a witness in such an investigation is strictly prohibited. Retaliation is a separate cause for complaint and individuals are encouraged to report such conduct in a timely manner. Individuals with supervisory duties, who disregard, fail to investigate adequately, or delay investigation of discrimination claims also violates this policy.

All reports of discrimination, harassment, sexual misconduct and/or retaliation shall be promptly made to the Title IX Coordinator. The Director of Student Services serves as the Title IX/ADA/504 Coordinator, Campus Security Authority and oversees implementation of the institutions Policy on Discrimination, Harassment, and Sexual Misconduct.

#### Taban Bustani, Director of Student Services

401 Mile of Cars Way Suite 100, National City CA 91950  
1717 Louisiana Blvd NE Ste 208, Albuquerque, NM, 87110  
(619) 419-0137  
email: tbustani@ciat.edu

#### Professional Counseling /Advising Services

CIAT does not employ professional counselors on staff; however, in the event that a student demonstrates behaviors/thoughts consistent with issues related to an emotional or psychological issue, physical or sexual abuse, or substance abuse, the student will be referred to Student Services to further explore options for local counseling and/or abuse programs. If a student believes they have been the victim of a sexual assault outside of school hours, he/she is advised to call 911.

#### Institutional Response to Reports of Sexual Misconduct

It is the policy of CIAT that, upon learning that an act of sexual misconduct has taken place, immediate action will be taken to address the situation. CIAT encourages the reporting of sexual misconduct that is prompt and accurate. This allows the institution to quickly respond to allegations and offer immediate support to the victim. When an incident of sexual misconduct, domestic violence, dating violence, sexual assault or stalking

is reported, CIAT will provide victims with written notice of available options, resources, remedies and services available such as counseling, health, mental health, victim advocacy, legal assistance, visa and immigration assistance, and other services available in the community to victims of domestic violence, dating violence, sexual assault, and stalking. The standard of evidence used in informal or formal investigations and institutional disciplinary hearings will be the preponderance of the evidence. After an incident of sexual assault, dating violence, domestic violence, and/or stalking the victim should consider seeking medical attention and/or law enforcement assistance as soon as possible. Although CIAT strongly encourages all members of its community to report violations of this policy to law enforcement, it is the victim's choice whether or not to make such a report.

### Procedures for Disciplinary Action

The institutional disciplinary procedures will provide a fair, prompt, and impartial process from investigation to final result. The investigation and any hearing will be conducted by those who receive annual training on issues related to sexual misconduct, VAWA crimes, how to conduct an investigation, and a hearing process that protects victim safety and promotes accountability.

### Academic Accommodations

CIAT is committed to ensuring the safety and well-being of the victim. A student who has been a victim of sexual misconduct may request an academic accommodation after a report of sexual misconduct. Any individual who makes a request will receive an appropriate and reasonable accommodation. Possible requests include the ability to change academic schedules or work schedules, withdraw from or retake a class without penalty and access to academic support such as tutoring services. Pursuant to Title IX, in most cases of sexual violence or sex discrimination, CIAT will endeavor, to the extent practicable, to change the schedule of the accused student prior to changing the schedule of the victim.

### Retaliation

No member of the CIAT community shall retaliate, intimidate, threaten, coerce, or otherwise discriminate against a person who files a Title IX complaint, serves as a witness, or assists or participates in a Title IX proceeding in any manner. Participants who experience retaliation should report the incident to the Director of Student Services who is also the Title IX Coordinator. CIAT prohibits any form of retaliation against any individual for reporting, providing information, exercising one's rights or responsibilities under this policy, or otherwise being involved in the process of responding to, investigating, or addressing allegations of sexual assault, dating violence, domestic violence, or stalking.

### Sanctions

Following a final determination of an institutional disciplinary procedure for cases discrimination, harassment or sexual misconduct including rape, acquaintance rape, dating violence, domestic violence, sexual assault or stalking, sanctions or protective measures may be imposed including SUSPENSION and/or EXPULSION from the school. Employees who violate this policy will be subject to discipline according to the applicable school

policies and procedures in the Employee Handbook, up to and including TERMINATION OF EMPLOYMENT.

## Smoke & Tobacco Free Campus Policy

CIAT is an entirely tobacco and smoke free environment, including all inside spaces and external grounds within 25 feet of CIAT entrance. Any form of tobacco product or surrogate tobacco product, such as cigarettes, personal vaporizers, electronic nicotine delivery systems, or smokeless tobacco is strictly prohibited.

The use of smoking products of any sort is also prohibited on all school-owned and operated campus grounds both indoors and outdoors within 25 feet of CIAT entrance. This tobacco ban does not apply to public rights-of way (sidewalks, streets) on the perimeter of the campus.

Littering campus with remains of smoking products is prohibited. This policy applies to all employees, students, visitors, contractors, and externally affiliated individuals. All CIAT students, faculty, staff, contractors, and visitors must comply with this policy. Individuals observed smoking on the campus will be informed of the policy.

Violators may be provided education, offered a referral for smoking cessation and, if a student or employee of CIAT, may be subject to disciplinary action as indicated below. Persons engaging in smoking and/or the use of Smoking Products in violation of this policy may be subject to the following:

1. Students will be referred to the appropriate student conduct office. Violation of this policy is a violation of the Student Code of Conduct.
2. Employees will be referred to their supervisor and/or appointing authority for appropriate action.
3. Contractors will be referred to their respective employers for appropriate action.

Visitors will be required to leave the campus if they fail to conform to the policy when advised. No person who makes a complaint of a violation of this policy or who furnishes information concerning a violation of this policy shall be retaliated against in any manner.

## Video / Audio Taping

CIAT routinely records classes using audio and video methods. By attending a CIAT class you are consenting to being in a recorded classroom environment which may include footage with students in it. These recordings may be used for any purpose CIAT deems appropriate including but not limited to broadcasting of classes for student use, marketing/advertising, employee training or other usages.

As a student, because of the interactive nature of training at CIAT, video or audio taping of any activities, classroom or otherwise, is prohibited without written authorization of all students present at the time and CIAT management and the presenting instructor.

## CIAT PROGRAMS

### APPLIED BACHELOR'S DEGREE PROGRAM

#### Program Length

Since courses are offered as hybrid or 100% online, the length of time it takes to complete an Applied Bachelor's Degree programs length is 175 weeks (35 classes x 5 weeks). Please check the Program Length section of each program to determine the actual allocated time to complete each program.

#### Tuition and Fees

Tuition is charged at the rate of \$610.00 per semester hour (unit) for technical courses, plus certification exams, which are optional but highly recommended. There are associated lab fees and for detail see under Technology Fees, Page 15. The tuition for General Education courses is also \$610.00 per unit. The full tuition can be up to \$79,300.00 for the Applied Bachelor's Degree Program, if all courses, including GE are taken at CIAT. General Education courses may be taken concurrently with technical courses. This could increase the cost per year but will also shorten the time required to obtain your degree.

**CIAT does not financially obligate a student for more than twelve (12) months (10 Terms) in any current and active enrollment period. A student may not have more than one enrollment active at any time.**

#### Examination

Each course may have a final examination in order to receive a final letter grade, however, there is no cumulative program examination.

#### Externship

This program does not participate in the externship.

#### Flexible Start Times

CIAT's classroom, guided self-study and online programs offer flexible start opportunities. Classes begin every five weeks.

Upon enrollment, an Admissions Advisor will work with you to create a schedule that honors your work and family commitments while still achieving your educational objectives in the shortest practical timeframe. If your circumstances change for any reason, your schedule can be revised to meet your needs.

#### Delivery Methodology

Full Time students are expected to complete each course within a five week period (Term). Students in hybrid format will spend 4.5 hours at least two days per week in the classroom attending lectures and getting hands-on instruction. Students in 100% Online format can expect to receive synchronous and asynchronous time in face-to-face interaction with your online instructor. Additional time will be spent each week on homework, discussion questions, projects, quizzes, exams, labs and other types of lectures.

Online learning is different from classroom-delivered instruction and there are advantages and disadvantages to each. The advantages of IDL

are rapidly gaining as technology enables students learning at a distance to feel more connected than ever before.

Students must be self-motivated, have an up-to-date computer, a high-speed Internet connection, and a distraction-free place to study. Faculty and student interaction will be available by online video conference, LMS discussion boards, email, phone, and chat.

CIAT classes use a combination of all or some of the following to provide quality distance learning:

- Online Video Lessons
- Online Quizzes/Exams
- Certification preparation software
- Live instructor available for conferences and personal sessions
- Online Labs
- Discussion questions

In our distance learning classes, all interaction with our instructors is via electronic means, primarily the internet, but your instructor will also exchange communications with you via email, texting and telephone. All emails, texts and voice messages will be answered no later than the next business day. Since all quizzes, tests, projects and labs are completed online, you will know your results immediately upon completion. Final course grades are posted within one week of the course completion and may be viewed on the school's Student Portal database. Students may check their progress at any time using the Student Portal. For those classes where written projects are required, such as essays for the General Education English courses, they are also submitted electronically and will be graded and returned electronically within 5 business days of submission.

#### CIAT's Philosophy for General Education

General education is designed to introduce students to the variety of means through which people comprehend the modern world. General education introduces the content and methodology of the major areas of knowledge. All degree programs include general education requirements. General Education courses may be taken at any time during the student's attendance at CIAT.

The general education program provides the opportunity for students to develop:

1. Intellectual skills
2. Information Technology
3. Affective and creative capabilities
4. Critical thinking
5. Positive social attitudes
6. Appreciation for cultural diversity that present effective learners and good citizens

#### Credential Awarded Upon Completion

- Applied Bachelor's Degree in Computer Information Systems (BACIS)
- Applied Bachelor's Degree in Software Development (BASD)

## Applied Bachelor's Degree in Computer Information Systems (BACIS)

130 Semester Hours (750 Lab Hours; 1575 Lecture Hours)

Length: 175 Weeks; SOC Code: 11-3021

Tuition: \$79,300.00 Technology Fees: \$1,250.00

### Description

The Applied Bachelor's Degree in Computer Information Systems (BACIS) provides foundational skills required to install, configure, troubleshoot, and maintain network systems in business environments. Major topics covered include hardware technologies, operating systems, networking, routing, security, and cloud management. This program prepares students for careers in a variety of positions including Information Security Technician, Cyber Security Analysts, Network Administrator, Computer Information Systems Managers and Database Administrator.

As an Applied Bachelor's Degree, approximately 75% of the program is dedicated to technical classes with only about 25% focusing on General Education. With a more concentrated focus on these subjects, the student is more likely to succeed in a career in Information Technology when compared to Bachelor of Science degree which may require up to 50%, or more, to be dedicated to General Education.

### Economic Outlook and Growth of the Industry

According to the U.S. Department of Labor statistics, employment of Computer Information Systems Manager is expected to grow by 11 percent from 2018 to 2028, which is faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov in 2020, the median annual wage for Computer Information Systems Manager was \$151,150.00\*.

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Computer and Information Systems Managers, at <https://www.bls.gov/ooh/management/computer-and-information-systems-managers.htm> (visited January 21, 2022).

### Program Objectives

Upon completion of the Applied Bachelor's Degree in Computer Information Systems program, the graduate will be able to:

- Organize the usage of proper security planning, concerns, issues, and risk assessment using NIST, ISO, modern security policies, and best practices.
- Develop security solutions using available technology to prevent or discover vulnerabilities and exploits within enterprise systems.
- Successfully critique existing security measures for weaknesses in design and implementation using current and new unfolding security threats.
- Evaluate Cloud Computing, Cloud economics and the value proposition of utilizing Cloud technologies.

- Design and Construct Cloud infrastructures.
- Construct a secure Cloud-based environment.
- Create new network solutions and/or design improvements on existing networks.
- Evaluate network performance through procedures, utilities, best practices, and effective troubleshooting methods.
- Install, configure, and support network equipment.
- Apply public speaking, critical thinking, problem solving, technical writing, and working knowledge of IT security and organizational ethics to facilitate a career in the IT field.
- Evaluate the historical definitions of technology with their strengths and limitations, and gain understanding in the contemporary perspectives on technology that blur the boundaries of machine and human elements, while applying and analyzing job market awareness, job search, resume writing, and job interviewing for demand positions in the IT field.
- Develop logical reasoning and mathematical analysis skills needed to create algorithms for general Information Technology applications like simulation, mapping, programming, science, and research.

There are many ways that the student can obtain the needed General Education units. Among them are:

- Successfully completing the course(s) at CIAT.
- Transferring units from any of the local community colleges in the San Diego area. Please see the Transfer of Credits section under Admissions of this catalog for further information.
- CLEP testing. The College-Level Examination Program® (CLEP) offers you the opportunity to earn qualifying scores on any of the 33 college subject examinations they offer. Check it out at <https://clep.collegeboard.org/> and then ask your Admissions Representative how CIAT can assist you in obtaining CLEP credits toward your CIAT Degree.
- ACE credits from your military training. Available to our veteran students, even if you are not using the GI Bill®, bring us your JST and we will evaluate it for you.
- Transfer credits from any accredited institution of higher learning in the United States. Bring us your official transcripts and we will evaluate them for available transferrable credits.

At no charge, we will assist you in completing a credit transfer plan which will identify potential credit transfer paths to complete your general education and other requirements. To request this, contact your Admissions Representative or send an email to [studentserviceteam@ciat.edu](mailto:studentserviceteam@ciat.edu).

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Applied Bachelor's Degree in Computer Information System, the student must successfully:

1. Complete the 12 core lower division technical courses (48 credit hours) with an overall average GPA of minimum 2.0.
2. Complete 6 core upper division technical courses (24 credit hours) with an overall average GPA of minimum 2.0.



3. Complete 7 upper division technical elective courses (28 credit hours) with an overall average GPA of minimum 2.0.
4. Complete a minimum of 30 semester hours of approved General Education courses with an overall average GPA of minimum 2.0.
5. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of 36 semester hours must be completed in this manner.
  - b. Transferring credit from an accredited institution of higher learning. A maximum 94 semester hours may be completed in this manner.
  - c. Challenge Exam of up to eight courses (32 semester hours). Each successfully challenged course will be subtracted from the allowed transfer credits.

### Degree Course Plan

This page details the courses needed to complete CIAT's Applied Bachelor's Degree in Computer Information Systems Program.

#### 12 Lower Division Core Courses Required

##### 48 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
CIS 100	IT Fundamentals	3	1	4
CIS 101A	Computer Hardware Fundamentals	3	1	4
CIS 101B	Computer Operating Systems	3	1	4
CIS 102A	Networking Fundamentals, Part 1	3	1	4
CIS 102B	Networking Fundamentals, Part 2	3	1	4
CIS 120A	Network Security, Part 1	3	1	4
CIS 120B	Network Security, Part 2	3	1	4
CIS 154	Windows & Microsoft 365	3	1	4
CIS 130	Azure Cloud Fundamentals	3	1	4
CIS 131	Azure Cloud Administration	3	1	4
CIS 132	AWS Certified Cloud Practitioner	3	1	4
CIS 133	Solutions Architect Associate	3	1	4

#### 6 Upper Division Core Courses Required

##### 24 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
CIS 230A	Installation and Configuration of Linux, Part 1	3	1	4
CIS 230B	Installation and Configuration of Linux, Part 2	3	1	4
CIS 270A	Cisco Configuration, ICND 1	3	1	4
CIS 270B	Cisco Configuration, ICND 2	3	1	4
CIS 280A	Cisco DevNet, Part 1	3	1	4
CIS 280B	Cisco DevNet, Part 2	3	1	4

#### 7 Upper Division Elective Courses Required

##### 28 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
CLD 330	AWS SysOps Administrator Associate	3	1	4
CLD 331	AWS Developer Associate	3	1	4
CLD 332	Google Cloud Engineer	3	1	4
CLD 333	AWS Database Specialty	3	1	4
CLD 334	AWS Security Specialty	3	1	4
CLD 335	Microsoft Azure Security Technologies	3	1	4
CLD 400	Cloud Administrator Senior Project	3	1	4
NET 381A	Implementing and Operating Cisco Enterprise Core Technologies (ENCOR), Part 1	3	1	4
NET 381B	Implementing and Operating Cisco Enterprise Core Technologies (ENCOR), Part 2	3	1	4
NET 382A	Implementing Cisco SD-WAN Solutions, Part 1	3	1	4
NET 382B	Implementing Cisco SD-WAN Solutions, Part 2	3	1	4
NET 383A	Implementing Cisco Enterprise Routing and Services, Part 1	3	1	4
NET 383B	Implementing Cisco Enterprise Routing and Services, Part 2	3	1	4
NET 400	Networking Senior Project	3	1	4
SEC 340A	Certified Ethical Hacker, Part 1	3	1	4
SEC 340B	Certified Ethical Hacker, Part 2	3	1	4
SEC 350A	Advanced Network Security CISSP, Part 1	3	1	4
SEC 350B	Advanced Network Security CISSP, Part 2	3	1	4
SEC 400	Cyber Security Senior Project	3	1	4
CIS 130	Azure Cloud Fundamentals	3	1	4
CIS 131	Azure Cloud Administration	3	1	4
CIS 132	AWS Certified Cloud Practitioner	3	1	4
CIS 133	Solutions Architect Associate	3	1	4

**General Education****Minimum 30 Semester Credits Required**

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
<b>English Language, Communication and Critical Thinking</b>				
<i>6 Semester Credits minimum required</i>				
ENG 200	Technical Writing	3	0	3
ENG 201	Literature and the Art of the Narrative	3	0	3
ENG 210	Public Speaking	3	0	3
<b>Mathematical Concepts and Quantitative Reasoning</b>				
<i>7 Semester Hours minimum required</i>				
MTH 105	College Algebra	3	0	3
MTH 140	Statistics	4	0	4
MTH 201	Pre-Calculus	4	0	4
MTH 205	Calculus 1	4	0	4
MTH 210	Calculus 2	4	0	4
<b>Arts and Humanities</b>				
<i>6 Semester Hours minimum required</i>				
AHS 305	Technology, Society, and Culture	3	0	3
AHS 310	Professional Practice in Ethics	3	0	3
<b>Social and Behavioral Sciences</b>				
<i>3 Semester Hours minimum required</i>				
SBS 110	Introduction to Psychology	3	0	3
SBS 120	Sociology	3	0	3
SBS 201	Economics	3	0	3
<b>Personal and Professional Development</b>				
<i>5 Semester Hours minimum required</i>				
PPD 300	Critical Thinking and Problem Solving	3	0	3
PPD 305	Career and Technology	2	0	2
<b>Natural Physical Sciences</b>				
<i>3 Semester Hours minimum required</i>				
SCI 120	General Biology	3	0	3
SCI 130	Principles of Chemistry	3	0	3
SCI 140	General Physics	3	0	3



## Applied Bachelor's Degree in Software Development (BASD)

130 Semester Hours (750 Lab Hours; 1575 Lecture Hours)

Length: 175 Weeks; SOC Code: 15-1132, 15-1133

Tuition: \$79,300.00 Technology Fees: \$1,250.00

### Description

The Applied Bachelor's in Software Development Degree provides technical skills required in front-end and back-end programming, including designing, implementing, and maintaining web applications, mobile applications, and database systems. Students will learn the modern high-level programming languages (Python, C#, PHP, JavaScript, SQL, Kotlin, Swift, React Native, and more). In addition, the students will learn software design, software methodologies, procedural programming, and object-oriented design.

This program prepares students for various positions, including Software Developer, Database Administrator, Android Engineer, iOS Engineer, Quality Assurance Engineer, Information Technology Analyst, and Data Analyst.

### Economic Outlook and Growth of the Industry

The Bureau of Labor Statistics shows that software developers are projected to grow 22 percent from 2020-2030, much faster than the average for all occupations. Employment of applications developers is projected to grow 23 percent, and employment of systems developers is projected to grow 20 percent. The pay range for this field is noted to be 66,730 – 152,799 annually. Median pay is common at 100,977 and is normally 22% higher than the national average. According to bls.gov in 2020, the median annual wage for Software Developer was \$110,140.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Software Developers, Quality Assurance Analysts, and Testers, at <https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm> (visited February 05, 2022).

### Program Objectives

Upon completion of the Applied Bachelor's Degree in Software Development program, the graduate will be able to:

1. Evaluate software development needs from gathering requirements to selecting technologies appropriate to implement for business needs.
2. Design, debug, build, test, and deploy applications for web and mobile application platforms using modern development environments.
3. Apply best practices for implementing secure software applications.
4. Apply software engineering lifecycles to successfully create basic to complex software solutions that dynamically communicate with databases.
5. Work individually and collaborate with team members to develop quality software products.
6. Utilize common data structures to leverage their efficiency to obtain desired software products.
7. Design and construct relational databases.

8. Analyze business web development needs and develop mobile solutions for those needs.
9. Demonstrate technical knowledge of one or more significant application domains.
10. Understand software project management, life cycles, and work-based schedules, deadlines, and budgets associated with software implementation projects.
11. Evaluate the project's cost, schedule, and performance to ensure feasibility with industry requirements related to the software implantation.
12. Apply public speaking, critical thinking, problem solving, technical writing, and working knowledge of IT security and organizational ethics to facilitate a career in the IT field.
13. Evaluate the historical definitions of technology with their strengths and limitations, and gain understanding in the contemporary perspectives on technology that blur the boundaries of machine and human elements, while applying and analyzing job market awareness, job search, resume writing, and job interviewing for demand positions in the IT field.
14. Ability to construct advanced solutions to everyday problems that positively affect people's lives to create a better, more accessible online environment.
15. Develop logical reasoning and mathematical analysis skills needed to create algorithms for general Information Technology applications like simulation, programming, science, and research.
16. Stay up to date with the software terminology and trends needed in the emerging technology field and evolving software applications.

There are many ways that the student can obtain the needed General Education units. Among them are:

1. Successfully completing the course(s) at CIAT.
2. Transferring units from any of the local community colleges in the San Diego area. Please see the Transfer of Credits section under Admissions of this catalog for further information.
3. CLEP testing. The College-Level Examination Program® (CLEP) offers you the opportunity to earn qualifying scores on any of the 33 college subject examinations they offer. Check it out at <https://clep.collegeboard.org/> and then ask your Admissions Representative how CIAT can assist you in obtaining CLEP credits toward your CIAT Degree.
4. ACE credits from your military training. Available to our veteran students, even if you are not using the GI Bill®, bring us your JST and we will evaluate it for you.
5. Transfer credits from any accredited institution of higher learning in the United States. Bring us your official transcripts and we will evaluate them for available transferrable credits.

At no charge, we will assist you in completing a credit transfer plan which will identify potential credit transfer paths to complete your general education and other requirements. To request this, contact your Admissions Representative or send an email to [studentserviceteam@ciat.edu](mailto:studentserviceteam@ciat.edu).

## Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Applied Bachelor's Degree in Software Development, the student must successfully:

1. Complete the 12 core lower division technical courses (48 credit hours) with an overall average GPA of minimum 2.0.
2. Complete 6 core upper division technical courses (24 credit hours) with an overall average GPA of minimum 2.0.
3. Complete 7 upper division technical elective courses (28 credit hours) with an overall average GPA of minimum 2.0.
4. Complete a minimum of 30 semester hours of approved General Education courses with an overall average GPA of minimum 2.0.
5. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of 36 semester hours must be completed in this manner.
  - b. Transferring credit from an accredited institution of higher learning. A maximum of 94 semester hours may be completed in this manner.
  - c. Challenge Exam of up to eight courses (32 semester hours). Each successfully challenged course will be subtracted from the allowed transfer credits.

## Degree Course Plan

This page details the courses needed to complete CIAT's Applied Bachelor's Degree in Computer Information Systems Program.

### 12 Lower Division Core Courses Required

#### 48 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
ASD 101A	Python Fundamentals, Part 1	3	1	4
ASD 101B	Python Fundamentals, Part 2	3	1	4
ASD 102A	Web Development with HTML, CSS, JavaScript, Part 1	3	1	4
ASD 102B	Web Development with JavaScript, jQuery, Part 2	3	1	4
ASD 103A	Object-Oriented Data Structures using Python, Part 1	3	1	4
ASD 103B	Object-Oriented Data Structures using Python, Part 2	3	1	4
ASD 104A	Web Applications with PHP and MySQL, Part 1	3	1	4
ASD 104B	Web Applications with PHP and MySQL, Part 2	3	1	4
ASD 105	Linux Administration and Shell Scripting	3	1	4
ASD 106	Windows PowerShell	3	1	4
ASD 107A	Foundations of Software Engineering, Part 1	3	1	4
ASD 107B	Foundations of Software Engineering, Part 2	3	1	4

### 6 Upper Division Core Courses Required

#### 24 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
ASD 261	Application Security	3	1	4
ASD 262	Emerging Applications and Languages with React Native	3	1	4
ASD 263	MEAN Stack Development	3	1	4
ASD 264	Cloud Applications and Computing	3	1	4
CIS 280A	DevNet, Part 1	3	1	4
CIS 280B	DevNet, Part 2	3	1	4

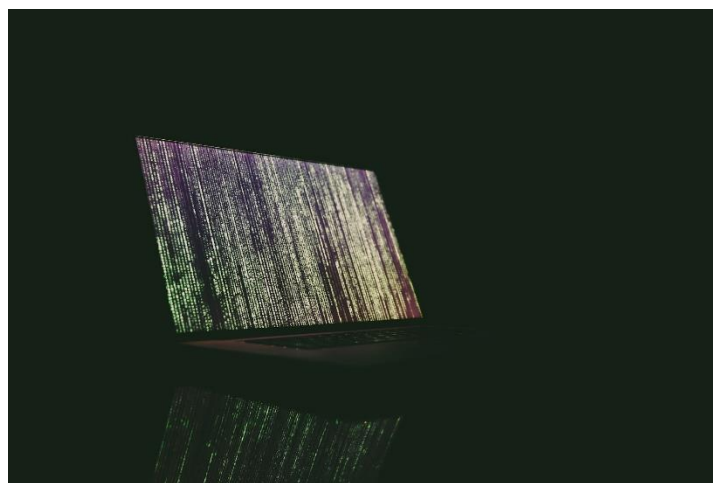
### 7 Upper Division Elective Courses Required

#### 28 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
MAP 300A	Android App Development with Kotlin, Part 1	3	1	4
MAP 300B	Android App Development with Kotlin, Part 2	3	1	4
MAP 301A	iOS Swift Programming, Part 1	3	1	4
MAP 301B	iOS Swift Programming, Part 2	3	1	4
MAP 302A	Mobile App Testing, Part 1	3	1	4
MAP 302B	Mobile App Testing, Part 2	3	1	4
MAP 400	Mobile App Development Senior Project	3	1	4
BDA 300A	C# Business Programming, Part 1	3	1	4
BDA 300B	C# Business Programming, Part 2	3	1	4
BDA 301A	Application Development with ASP.NET Core, Part 1	3	1	4
BDA 301B	Application Development with ASP.NET Core, Part 2	3	1	4
BDA 302A	Software Design, Part 1	3	1	4
BDA 302B	Software Design, Part 2	3	1	4
BDA 400	Web Programming Senior Project	3	1	4
DAP 300A	SQL Programming Part 1	3	1	4
DAP 300B	SQL Programming Part 2	3	1	4
DAP 301A	Power BI Part 1	3	1	4
DAP 301B	Power BI Part 2	3	1	4
DAP 302A	Tableau Desktop Part 1	3	1	4
DAP 302B	Tableau Desktop Part 2	3	1	4
DAP 400	Data Analytics Senior Project	3	1	4
MAP 300A	Android App Development with Kotlin, Part 1	3	1	4
MAP 300B	Android App Development with Kotlin, Part 2	3	1	4

**General Education****Minimum 30 Semester Credits Required**

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
<b>English Language, Communication and Critical Thinking</b>				
<i>6 Semester Credits minimum required</i>				
ENG 200	Technical Writing	3	0	3
ENG 201	Literature and the Art of the Narrative	3	0	3
ENG 210	Public Speaking	3	0	3
<b>Mathematical Concepts and Quantitative Reasoning</b>				
<i>7 Semester Hours minimum required</i>				
MTH 105	College Algebra	3	0	3
MTH 140	Statistics	4	0	4
MTH 201	Pre-Calculus	4	0	4
MTH 205	Calculus 1	4	0	4
MTH 210	Calculus 2	4	0	4
<b>Arts and Humanities</b>				
<i>6 Semester Hours minimum required</i>				
AHS 305	Technology, Society, and Culture	3	0	3
AHS 310	Professional Practice in Ethics	3	0	3
<b>Social and Behavioral Sciences</b>				
<i>3 Semester Hours minimum required</i>				
SBS 110	Introduction to Psychology	3	0	3
SBS 120	Sociology	3	0	3
SBS 201	Economics	3	0	3
<b>Personal and Professional Development</b>				
<i>5 Semester Hours minimum required</i>				
PPD 300	Critical Thinking and Problem Solving	3	0	3
PPD 305	Career and Technology	2	0	2
<b>Natural Physical Sciences</b>				
<i>3 Semester Hours minimum required</i>				
SCI 120	General Biology	3	0	3
SCI 130	Principles of Chemistry	3	0	3
SCI 140	General Physics	3	0	3





## ASSOCIATE OF APPLIED SCIENCE PROGRAMS

### Program Length

Since courses are offered as hybrid or 100% online, the length of time it takes to complete an Associate Degree Program length is 85 weeks. Please check the Program Length section of each program to determine the actual allocated time to complete each program.

### Tuition and Fees

Tuition is charged at the rate of \$610.00 per semester hour (unit) for technical courses, plus certification exams, which are optional but highly recommended. There are associated lab fees and for detail see under Technology Fees, Page 15. The tuition for General Education courses is also \$610.00 per unit. The full tuition can be up to \$45,750.00 for the Degree Program, if all courses, including GE are taken at CIAT. General Education courses may be taken concurrently with technical courses. This could increase the cost per year but will also shorten the time required to obtain your degree.

**CIAT does not financially obligate a student for more than twelve (12) months (10 Terms) in any current and active enrollment period. A student may not have more than one enrollment active at any time.**

### Examination

Each course may have a final examination in order to receive a final letter grade, however, there is no cumulative program examination.

### CIAT's Philosophy for General Education

General education is designed to introduce students to the variety of means through which people comprehend the modern world. General education introduces the content and methodology of the major areas of knowledge. All degree programs include general education requirements. General Education courses may be taken at any time during the student's attendance at CIAT. Up to two General Education courses may be taken concurrent with technical courses.

The general education program provides the opportunity for students to develop:

- Intellectual skills
- Information Technology
- Affective and creative capabilities
- Critical thinking
- Positive social attitudes
- Appreciation for cultural diversity that present effective learners and good citizens

### Major

- Associates of Applied Science Degree in Information Systems – Networking Concentration (AASCIS)
- Associates of Applied Science in Software Development (ASD)
- Associate of Applied Science in Business Data Analytics (AASBDA)



## Associate of Applied Science Degree in Computer Information Systems – Networking Concentration (AASCIS)

64 Semester Hours (360 Lab Hours; 780 Lecture Hours)

Length: 85 Weeks; SOC Code: 15-1142

Tuition: \$39,040.00 Technology Fees: \$600.00

### Description

The AASCIS Program provides foundational skills required to install, configure, troubleshoot, and maintain network systems in business environments. Major topics covered include hardware technologies, operating systems, networking, routing, security, and server management. This program prepares students for careers in a variety of positions including Information Security Technician, LAN Administrator, Junior Network Administrator, Technical Support Specialist, PC Technician and IT Support Team Lead.

As an Applied Science Degree, approximately 75% of the program is dedicated to technical classes with only about 25% focusing on General Education. With a more concentrated focus on these subjects, the student is more likely to succeed in a career in Information Technology when compared to Associate of Science Degree which may require up to 50%, or more, to be dedicated to General Education.

### Economic Outlook and Growth of the Industry

According to the U.S. Department of Labor statistics, employment of computer network support specialists is expected to grow by 17 percent from 2020 to 2030, which is faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov in 2020, the median annual wage for System Administrator was \$84,810.00.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Network and Computer Systems Administrators, at <https://www.bls.gov/ooh/computer-and-information-technology/network-and-computer-systems-administrators.htm> (visited January 21, 2022).

### Program Objectives

Upon completion of the Associate of Applied Science in Computer Information Systems - Networking Concentration Program, the graduate as a Security Technician, LAN Administrator, Junior Network Administrator, Technical Support Specialist, PC Technician and IT Support Team Lead will be able to:

1. Discuss computer operating systems and hardware fundamentals,
2. Perform essential steps in PC installation, configuration, troubleshooting and repair,
3. Install, configure and troubleshoot basic networking hardware, protocols and services,

4. Discuss network infrastructure, cryptography, assessments and audits within networks and networking environments,
5. Perform installation, configuration and troubleshooting of various operating systems and network operating systems,
6. Demonstrate speaking, listening, writing, reading and research skills to be able to document a project scope or create a user manual for a new database in the IT field,
7. Enhance and examine human thought processes and behaviors in diverse populations, cultures, and technical IT settings,
8. Develop analytical, critical thinking, quantitative and problem-solving skills for subnetting, and probability for estimating risks of downtime/uptime.

There are many ways that the student can obtain the needed General Education units. Among them are:

1. Successfully completing the course(s) at CIAT.
2. Transferring units from any of the local community colleges in the San Diego area. Please see the Transfer of Credits section under Admissions of this catalog for further information.
3. CLEP testing. The College-Level Examination Program® (CLEP) offers you the opportunity to earn qualifying scores on any of the 33 college subject examinations they offer. Check it out at <https://clep.collegeboard.org/> and then ask your Admissions Representative how CIAT can assist you in obtaining CLEP credits toward your CIAT Degree.
4. ACE credits from your military training. Available to our veteran students, even if you are not using the GI Bill®, bring us your JST and we will evaluate it for you.
5. Transfer credits from any accredited institution of higher learning in the United States. Bring us your official transcripts and we will evaluate them for available transferrable credits.

At no charge, we will assist you in completing a credit transfer plan which will identify potential credit transfer paths to complete your general education and other requirements. To request this, contact your Admissions Representative or send an email to [studentserviceteam@ciat.edu](mailto:studentserviceteam@ciat.edu).

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Associate of Applied Science Degree in Computer Information Systems – Network Concentration, the student must successfully:

1. Complete the 8 core technical courses (32 semester hours) with an overall average GPA of minimum 2.0.
2. Complete 7 technical elective courses (28 semester hours) with an overall average GPA of minimum 2.0.
3. Complete a minimum of 15 semester hours of approved General Education courses with an overall average GPA of minimum 2.0.
4. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of 24 semester hours must be completed in this manner

- b. Transferring credit from an accredited institution of higher learning. A maximum of 51 semester hours may be completed in this manner.
- c. Challenge Exam of up to four courses (16 semester hours). Each successfully challenged course will be subtracted from the allowed transfer credits.

### Degree Course Plan

This page details the courses needed to complete CIAT's Associate of Applied Sciences in Computer Information Systems Degree Program.

#### 12 Lower Division Core Courses Required

##### 48 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
CIS 100	IT Fundamentals	3	1	4
CIS 101A	Computer Hardware Fundamentals	3	1	4
CIS 101B	Computer Operating Systems	3	1	4
CIS 102A	Networking Fundamentals, Part 1	3	1	4
CIS 102B	Networking Fundamentals, Part 2	3	1	4
CIS 120A	Network Security, Part 1	3	1	4
CIS 120B	Network Security, Part 2	3	1	4
CIS 154	Windows & Microsoft 365	3	1	4
CIS 130	Azure Cloud Fundamentals	3	1	4
CIS 131	Azure Cloud Administration	3	1	4
CIS 132	AWS Certified Cloud Practitioner	3	1	4
CIS 133	Solutions Architect Associate	3	1	4

#### General Education

##### Minimum 16 Semester Credits Required

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
<b>English Language, Communication and Critical Thinking</b> <i>3 Semester Credits minimum required</i>				
ENG 200	Technical Writing	3	0	3
ENG 201	Literature and the Art of the Narrative	3	0	3
ENG 210	Public Speaking	3	0	3
<b>Mathematical Concepts and Quantitative Reasoning</b> <i>7 Semester Hours minimum required</i>				
MTH 105	College Algebra	3	0	3
MTH 140	Statistics	4	0	4
MTH 201	Pre-Calculus	4	0	4
MTH 205	Calculus 1	4	0	4
MTH 210	Calculus 2	4	0	4
<b>Social and Behavioral Sciences</b> <i>3 Semester Hours minimum required</i>				
SBS 110	Introduction to Psychology	3	0	3
SBS 120	Sociology	3	0	3
SBS 201	Economics	3	0	3
<b>Natural Physical Sciences</b> <i>3 Semester Hours minimum required</i>				
SCI 120	General Biology	3	0	3
SCI 130	Principles of Chemistry	3	0	3
SCI 140	General Physics	3	0	3



## Associate of Applied Science in Software Development (ASD)

64 Semester (360 Lab Hours; 780 Lecture Hours)

Length: 85 Weeks; SOC Code: 15-1132, 15-1133

Tuition: \$39,040.00 Technology Fees: \$600.00

### Description

The ASD program presents the fundamentals of software design and highlights the distinctions between historically significant programming paradigms. Topics covered include software design, layers of software architecture, programming languages, hardware and software, Internet architecture, app development, web development, systems development and administration, client/server architecture, data structures, data modeling, and databases.

The scope of material will range from the origins of the modern programming era, to long-standing technologies which continue to be a primary force in modern operations, through to newer technologies which are in high demand. Students will be empowered to understand the ever-expanding world of software engineering technologies, their place in that world, and how best to guide themselves to their individual goals upon completion.

Successful graduates will be fully prepared and qualified for positions as software developers and fluent in the use of various technologies and computer programming languages and protocols including (dependent on course selection):

C	Python	Swift
C++	C#	Linux Bash
SQL	.NET Framework	Mongo DB
HTML	T-SQL	Ember JS
CSS	ASP.NET MVC	Angular JS
JavaScript	Java	Node JS
HTTP	Objective-C	Ruby on Rails

Depending on course selection, students will also acquire practical, hands-on knowledge of many in-demand, industry standard technologies including:

Microsoft Azure	Oracle MySQL	Raspberry Pi
Visual Studio	SQLite	Git and GitHub
SQL Studio	Linux	Android
Microsoft PowerShell	Apache	Android Studio
Microsoft HoloLens	Nginx	Google VR
Unity 3D	Heroku	iOS

All premium software will be available at no charge to students through their school Microsoft Imagine account.

### Economic Outlook and Growth of the Industry

The Bureau of Labor Statistics shows that software developers are projected to grow 22 percent from 2020-2030, much faster than the

average for all occupations. Employment of applications developers is projected to grow 23 percent, and employment of systems developers is projected to grow 20 percent. The pay range for this field is noted to be 66,730 – 152,799 annually. Median pay is common at 100,977 and is normally 22% higher than the national average. According to bls.gov in 2020, the median annual wage for Software Developer was \$110,140.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Software Developers, Quality Assurance Analysts, and Testers, at <https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm> (visited February 05, 2022).

### Objectives

Upon completion of the degree in Software Development program, the graduate will be able to:

1. Analyze users' needs, then design, test, and develop software to meet those needs,
2. Recommend software upgrades for customers' existing programs and systems,
3. Design each piece of the application or system and plan how the pieces will work together,
4. Create flowcharts and other models that instruct programmers how to write the software's code,
5. Ensure that the software continues to function normally through software maintenance and testing,
6. Document every aspect of the application or system as a reference for future maintenance and upgrades,
7. Collaborate with other computer specialists to create optimum software,
8. Demonstrate speaking, listening, writing, reading and research skills to be able to document a project scope or create a user manual for a new database in the IT field,
9. Enhance and examine human thought processes and behaviors in diverse populations, cultures, and technical IT settings.
10. Develop analytical, critical thinking, quantitative and problem-solving skills for subnetting, and probability for estimating risks of downtime/uptime.

There are many ways that the student can obtain the needed General Education units. Among them are:

1. Successfully completing the course(s) at CIAT.
2. Transferring units from any of the local community colleges in the San Diego area. Please see the Transfer of Credits section under Admissions of this catalog for further information.
3. CLEP testing. The College-Level Examination Program® (CLEP) offers you the opportunity to earn qualifying scores on any of the 33 college subject examinations they offer. Check it out at <https://clep.collegeboard.org/> and then ask your Admissions Representative how CIAT can assist you in obtaining CLEP credits toward your CIAT Degree.
4. ACE credits from your military training. Available to our veteran students, even if you are not using the GI Bill®, bring us your JST and we will evaluate it for you.



- Transfer credits from any accredited institution of higher learning in the United States. Bring us your official transcripts and we will evaluate them for available transferrable credits.

At no charge, we will assist you in completing a credit transfer plan which will identify potential credit transfer paths to complete your general education and other requirements. To request this, contact your Admissions Representative or send an email to [studentservices@ciat.edu](mailto:studentservices@ciat.edu).

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Associate of Applied Science in Software Development, the student must successfully:

- Complete the 6 core technical courses (24 semester hours) with an overall average GPA of minimum 2.0.
- Complete 6 technical elective courses (24 semester hours) with an overall average GPA of minimum 2.0.
- Complete a minimum of 15 semester hours of approved General Education courses with an overall average GPA of minimum 2.0.
- These courses may be completed by:
  - Successfully completing the course at California Institute of Arts & Technology. A minimum of 23 semester hours must be completed in this manner.
  - Transferring credit from an accredited institution of higher learning. A maximum of 40 semester hours may be completed in this manner.
  - Challenge Exam of up to four courses (16 semester hours). Each successfully challenged course will be subtracted from the allowed transfer credits.

### Degree Course Plan

This page details the courses needed to complete CIAT's Associate of Applied Sciences in Computer Information Systems Degree Program.

#### 12 Lower Division Core Courses Required

##### 48 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
ASD 101A	Python Fundamentals, Part 1	3	1	4
ASD 101B	Python Fundamentals, Part 2	3	1	4
ASD 102A	Web Development with HTML, CSS, JavaScript, Part 1	3	1	4
ASD 102B	Web Development with HTML, CSS, JavaScript, Part 2	3	1	4
ASD 103A	Object-Oriented Data Structures using Python, Part 1	3	1	4
ASD 103B	Object-Oriented Data Structures using Python, Part 2	3	1	4
ASD 104A	Web Applications with PHP and MySQL, Part 1	3	1	4
ASD 104B	Web Applications with PHP and MySQL, Part 2	3	1	4
ASD 105	Linux Administration and Shell Scripting	3	1	4
ASD 106	Windows PowerShell	3	1	4
ASD 107A	Foundations of Software Engineering, Part 1	3	1	4
ASD 107B	Foundations of Software Engineering, Part 2	3	1	4

General Education				
Minimum 16 Semester Credits Required				
Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
<b>English Language, Communication and Critical Thinking</b>				
3 Semester Credits minimum required				
ENG 200	Technical Writing	3	0	3
ENG 201	Literature and the Art of the Narrative	3	0	3
ENG 210	Public Speaking	3	0	3
<b>Mathematical Concepts and Quantitative Reasoning</b>				
7 Semester Hours minimum required				
MTH 105	College Algebra	3	0	3
MTH 140	Statistics	4	0	4
MTH 201	Pre-Calculus	4	0	4
MTH 205	Calculus 1	4	0	4
MTH 210	Calculus 2	4	0	4
<b>Social and Behavioral Sciences</b>				
3 Semester Hours minimum required				
SBS 110	Introduction to Psychology	3	0	3
SBS 120	Sociology	3	0	3
SBS 201	Economics	3	0	3
<b>Natural Physical Sciences</b>				
3 Semester Hours minimum required				
SCI 120	General Biology	3	0	3
SCI 130	Principles of Chemistry	3	0	3
SCI 140	General Physics	3	0	3





## Associate of Applied Science in Business Data Analytics (AASBDA)

64 Semester (360 Lab Hours; 780 Lecture Hours)

Length: 85 Weeks; SOC Code: 15-1132, 15-1133

Tuition: \$39,040.00 Technology Fees: \$600.00

### Description

The Associates in Business Data Analytics provides foundational skills required to extract, load, and transform (ELT) data into common formats and communicating insight from unstructured data. Students will learn the foundation of data analytics using industry standard tools including Python, SQL, Tableau, and Power BI and managing data centric project lifecycles. This program prepares students for a variety of positions including Business Analyst, Data Analyst, Data Visualization Analyst, Insights Analyst, and Program Analyst.

### Economic Outlook and Growth of the Industry

The Bureau of Labor Statistics shows that management analysts are projected to grow 14 percent from 2020-2030, much faster than the average for all occupations. Employment of quality assurance analysts is projected to grow 22 percent. The pay range for this field is noted to be 93,000- 110,140 annually. According to bls.gov in 2022, the median annual wage for management analysts was \$93,000.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Management Analysts, at <https://www.bls.gov/ooh/business-and-financial/management-analysts.htm> (visited April 19, 2022).

### Objectives

Upon completion of the degree in Business Data Analytics program, the graduate will be able to:

- Understand the importance the role of data plays in the business landscape.
- Construct databases using common data programming languages and ingest unstructured data into a data warehouse setting.
- Successfully create basic to complex data visualizations using Tableau and Power BI to communicate insight from data sets.
- Collaborate with other data specialist to define and design a custom software application for use in processing simple to complex data lakes.
- Evaluate data structures and leverage tools and techniques for cleaning data in preparation for analysis.
- Design and construct relational databases.
- Understand data centric project management life cycles and work-based schedules associated with data analytics projects.
- Evaluate the cost, schedule, and performance of a project to ensure compliance with industry requirements related to the project.
- Apply public speaking, critical thinking, problem solving, technical writing, and working knowledge of IT security and organizational ethics to facilitate a career in the IT field.
- Evaluate the historical definitions of technology with their strengths and limitations, and gain understanding in the contemporary perspectives on technology that blur the

boundaries of machine and human elements, while applying and analyzing job market awareness, job search, resume writing, and job interviewing for demand positions in the IT field.

- Develop logical reasoning and mathematical analysis skills needed to create algorithms for general Information Technology applications like simulation, mapping, programming, science, and research.

There are many ways that the student can obtain the needed General Education units. Among them are:

- Successfully completing the course(s) at CIAT.
- Transferring units from any of the local community colleges in the San Diego area. Please see the Transfer of Credits section under Admissions of this catalog for further information.
- CLEP testing. The College-Level Examination Program® (CLEP) offers you the opportunity to earn qualifying scores on any of the 33 college subject examinations they offer. Check it out at <https://clep.collegeboard.org/> and then ask your Admissions Representative how CIAT can assist you in obtaining CLEP credits toward your CIAT Degree.
- ACE credits from your military training. Available to our veteran students, even if you are not using the GI Bill®, bring us your JST and we will evaluate it for you.
- Transfer credits from any accredited institution of higher learning in the United States. Bring us your official transcripts and we will evaluate them for available transferrable credits.

At no charge, we will assist you in completing a credit transfer plan which will identify potential credit transfer paths to complete your general education and other requirements. To request this, contact your Admissions Representative or send an email to [studentservices@ciat.edu](mailto:studentservices@ciat.edu).

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Associate of Applied Science Business Data Analytics, the student must successfully:

- Complete the 6 core technical courses (24 semester hours) with an overall average GPA of minimum 2.0.
- Complete 6 technical elective courses (24 semester hours) with an overall average GPA of minimum 2.0.
- Complete a minimum of 15 semester hours of approved General Education courses with an overall average GPA of minimum 2.0.
- These courses may be completed by:
  - d. Successfully completing the course at California Institute of Arts & Technology. A minimum of 23 semester hours must be completed in this manner.
  - e. Transferring credit from an accredited institution of higher learning. A maximum of 40 semester hours may be completed in this manner.
  - f. Challenge Exam of up to four courses (16 semester hours). Each successfully challenged course will be subtracted from the allowed transfer credits.

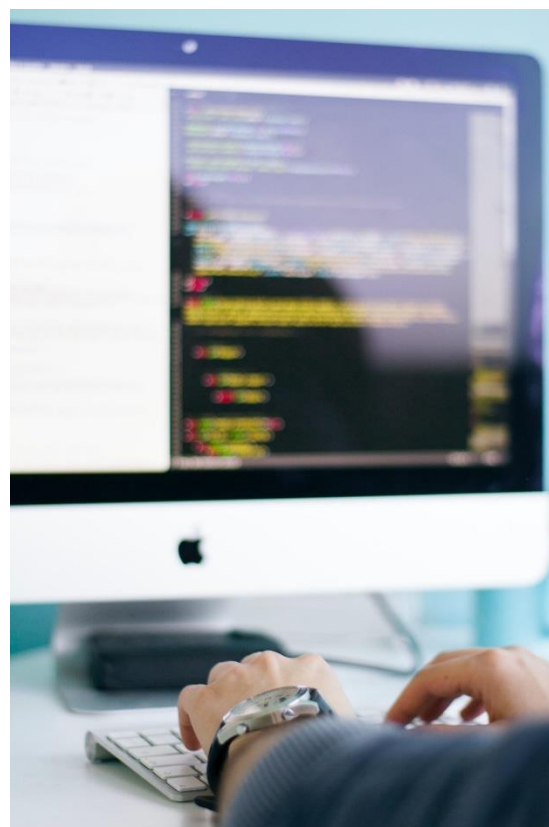
## Degree Course Plan

This page details the courses needed to complete CIAT's Associate of Applied Sciences in Computer Information Systems Degree Program.

### 12 Lower Division Core Courses Required

#### 48 Semester Credits

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
BDA 101A	Data Fundamentals Part 1	3	1	4
BDA 101B	Data Fundamentals Part 2	3	1	4
BDA 102A	Introduction to Databases Part 1	3	1	4
BDA 102B	Introduction to Databases Part 2	3	1	4
BDA 103A	Introduction to Data Visualization Part 1	3	1	4
BDA 103B	Introduction to Data Visualization Part 2	3	1	4
BDA 104	Introduction to Tableau	3	1	4
BDA 105	Introduction to Power BI	3	1	4
ASD 101A	Introduction to Python Part 1	3	1	4
ASD 101B	Introduction to Python Part 2	3	1	4
ABM 106A	Project Fundamentals Part 1	3	1	4
ABM 106B	Project Fundamentals Part 2	3	1	4



### General Education

#### Minimum 16 Semester Credits Required

Course Number	Course Name	Lecture Credits	Lab Credits	Total Credits
<b>English Language, Communication and Critical Thinking</b>				
<i>3 Semester Credits minimum required</i>				
ENG 200	Technical Writing	3	0	3
ENG 201	Literature and the Art of the Narrative	3	0	3
ENG 210	Public Speaking	3	0	3
<b>Mathematical Concepts and Quantitative Reasoning</b>				
<i>7 Semester Hours minimum required</i>				
MTH 105	College Algebra	3	0	3
MTH 140	Statistics	4	0	4
MTH 201	Pre-Calculus	4	0	4
MTH 205	Calculus 1	4	0	4
MTH 210	Calculus 2	4	0	4
<b>Social and Behavioral Sciences</b>				
<i>3 Semester Hours minimum required</i>				
SBS 110	Introduction to Psychology	3	0	3
SBS 120	Sociology	3	0	3
SBS 201	Economics	3	0	3
<b>Natural Physical Sciences</b>				
<i>3 Semester Hours minimum required</i>				
SCI 120	General Biology	3	0	3
SCI 130	Principles of Chemistry	3	0	3
SCI 140	General Physics	3	0	3



## CERTIFICATE PROGRAMS

### General Information on Certificate Programs

#### Program Length

The length of time it takes to complete any Certificate program can vary depending on the student's course load (It is based on 5 weeks per course). Please check the Program Length section of each Program to determine the actual allocated time to complete each program.

#### Tuition and Fees

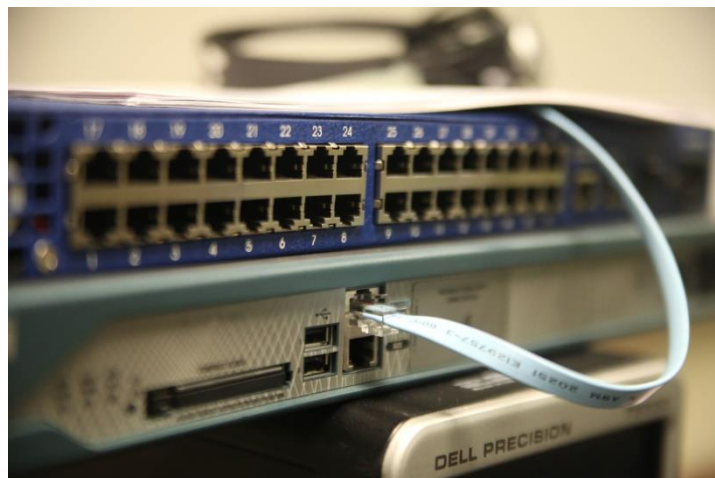
Tuition is charged at the rate of \$610.00 per 15 lecture clock hour unit or 30 lab clock hour units. For the Microsoft Office programs, tuition is charged at a flat rate of \$1995.00 per course.

#### Examination

Each course may have a final examination in order to receive a final letter grade, however, there is no cumulative program examination.

#### Certificate Programs

1. Certificate in Computer Information Systems (CCIS)
2. Certificate as Cisco Networking Professional, Enterprise (CCNP-ENT)
3. Certificate as Networking Technician (CNT)
4. Certificate as Cloud Administration (CCA)
5. Certificate as Computer Technician (CCT)
6. Certificate as Cisco Certified Network Associate (CCNA)
7. Certificate in Software Development (CSD)
8. Certificate in Microsoft Office Specialist (MOS)



*"Outstanding trade school!! CIAT is "second to none" when it comes to the care for their students. I highly recommend this school to everyone who is considering the technology field. The hospitality and customer service made you feel like family. They are very military friendly and that makes this school flexible for Active Duty as well as Veterans and Retirees. I've been attending for almost two years and my education plan set me up for success."*

- Simplicio G.



## Certificate in Computer Information Systems (CCIS)

36 Semester Hours (270 Lab Hours; 405 Lecture Hours)

Length: 45 Weeks; SOC Code: 15-1142

Tuition: \$21,960.00 Technology Fees: \$450.00

### Description

The Certificate in Computer Information Systems - Networking Concentration program provides the foundational skills required to install, configure, troubleshoot, and maintain network systems in business environments. Major topics covered include hardware technologies, operating systems, networking, routing, security, and server management. This program prepares students for careers in a variety of positions including Information Security Technician, LAN Administrator, Junior Network Administrator, Technical Support Specialist, and PC Technician.

### Economic Outlook and Growth of the Industry

According to the U.S. Department of Labor statistics, employment of computer systems is expected to grow by 9 percent from 2020 to 2030, which is much faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov Median annual wages of networking and PC administrative personnel systems were \$84,810 in 2020.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Network and Computer Systems Administrators, at <https://www.bls.gov/ooh/computer-and-information-technology/network-and-computer-systems-administrators.htm> (visited January 21, 2022).

### Program Objectives

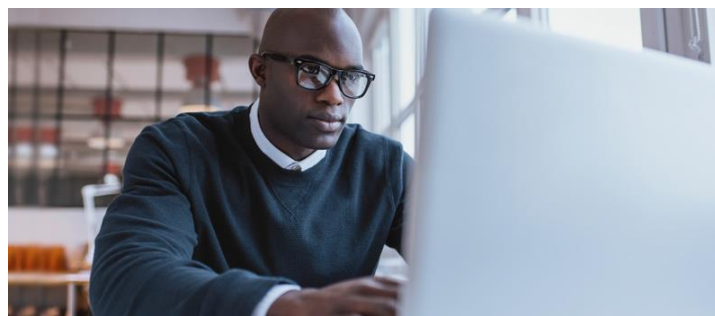
Upon completion of the Certificate in Computer Information Systems - Networking Concentration Program, the graduate as Information Security Technician, LAN Administrator, Junior Network Administrator, Technical Support Specialist, and PC Technician will be able to:

1. Discuss computer operating systems and hardware fundamentals,
2. Perform essential steps in PC installation, configuration, troubleshooting and repair,
3. Install, Configure, and troubleshoot basic networking hardware, protocols and services,
4. Discuss network infrastructure, cryptography, assessments and audits within networks and networking environments,
5. Perform installation, configuration and troubleshooting of various operating systems and network operating systems,

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate in Computer Information Systems – Network Concentration, the student must successfully:

- Complete the nine core courses (36 Credit hours) with an overall average GPA of minimum 2.0. These courses may be completed by:
  - Successfully completing the course at California Institute of Arts & Technology. A minimum of three courses must be completed in this manner.
  - Transferring credit, up to five courses (20 Semester Credit hours) from an accredited institution of higher learning
  - Challenge Exam of up to two courses. Each successfully challenged course will be subtracted from the allowed transfer credits.



### CCIS Course Plan

This table details the courses required for completion of CIAT's Certificate in Computer Information Systems –Networking Concentration Program:

9 Core Courses Required (36 Semester Credits)		
CIS 100A	Computer Fundamentals	4
CIS 100B	IT Fundamentals	4
CIS 101A	Computer Hardware Fundamentals	4
CIS 101B	Computer Operating Systems	4
CIS 102A	Networking Fundamentals, Part 1	4
CIS 102B	Networking Fundamentals. Part 2	4
CIS 120A	Network Security, Part 1	4
CIS 120B	Network Security, Part 2	4

## Certificate as Cisco Networking Professional – Enterprise (CCNP-ENT)

40 Semester Credit Hours (300 Lab Hours; 450 Lecture Hours)

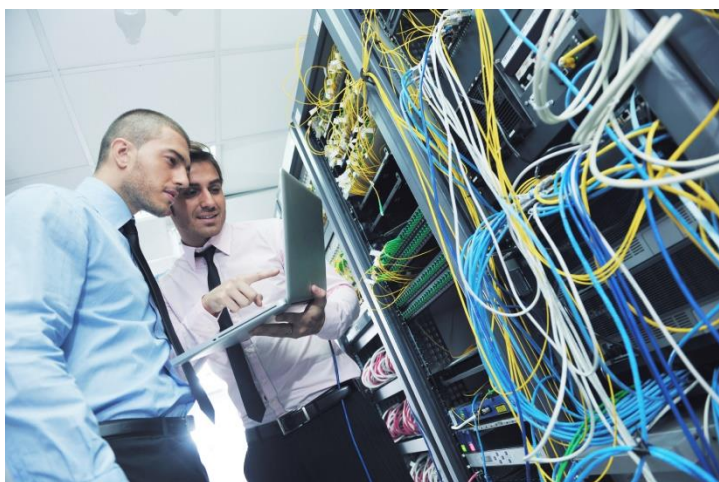
Length: 50 Weeks; SOC Code: 15-1142

Tuition: \$24,400.00 Technology Fees: \$500.00

### Description

Successful graduates will be fully prepared and qualified for positions as network security technicians and administrators for Cisco network systems. In addition to preparing the student for the vendor neutral Network+ certifications, this program prepares the student to achieve the Cisco Certified Network Professional (CCNP) certification by successfully passing the following Cisco certification exams:

1. Networking Fundamentals, Part 1
2. Networking Fundamentals, Part 2
3. Cisco Configuration, ICND1
4. Cisco Configuration, ICND2
5. Cisco DevNet
6. Implementing and Operating Cisco Enterprise Core Technologies (ENCOR)
7. Implementing Cisco Enterprise Routing and Services



### Economic Outlook and Growth of the Industry

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2020 edition, Computer Network Systems, Systems and Database Administrators employment expected to grow by 9 percent from 2020 to 2030, which is much faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov, the median annual wages of Information Security Analyst was \$103,590 in 2020.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Information Security Analysts, at <https://www.bls.gov/ooh/computer-and-information-technology/information-security-analysts.htm> (visited January 14, 2022).

### Program Objectives

Upon completion of the Certificate in Cisco Network Professional-Security Specialist program, the graduate will be able to:

1. Describe fundamentals and theory of computer networking systems and how they are applied in various business situations,
2. Provide network security for day-to-day business operations,
3. Implement and support Cisco firewalls,
4. Implement and support Cisco Intrusion Prevention Systems,
5. Manage and administer Virtual Private Networks using Cisco components.

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate as Cisco Networking Professional – Security Specialist, the student must successfully:

1. Complete the nine core courses (40 Semester credit hours) an overall average GPA of minimum 2.0. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of three courses must be completed in this manner.
  - b. Transferring credit, up to five courses (20 semester credit hours) from an accredited institution of higher learning.
  - c. Challenge Exam of up to two courses. Each successfully challenged course will be subtracted from the allowed transfer credits.

### CCNP-ENT Course Plan

This table details the courses required for completion of CIAT's Certificate as Cisco Networking Professional/Certificate as Cisco Certified Network Associate-Security Specialist Program:

10 Courses Required (40 Semester Credits)		
CIS 102A	Networking Fundamentals, Part 1	4
CIS 102B	Networking Fundamentals, Part 2	4
CIS 270A	CISCO Certified Network Associate, Part 1	4
CIS 270B	CISCO Certified Network Associate, Part 2	4
CIS 280A	Cisco DevNet, Part 1	4
CIS 280B	Cisco DevNet, Part 2	4
NET 381A	Implementing and Operating Cisco Enterprise Core Technologies (ENCOR), Part 1	4
NET 381B	Implementing and Operating Cisco Enterprise Core Technologies (ENCOR), Part 2	4
NET 383A	Implementing Cisco Enterprise Routing and Services, Part 1	4
NET 383B	Implementing Cisco Enterprise Routing and Services, Part 2	4



## Certificate as Networking Technician (CNT)

16 Semester Credit Hours (120 Lab Hours; 180 Lecture Hours)

Length: 20 Weeks; SOC Code: 15-1122

Tuition: \$9,760.00      Technology Fees: \$200.00

### Description

The Certificate as Networking Technician is designed for the Computer Network Technician who wants to expand their competence into the area of computer security. It provides the foundational skills required to install, configure, troubleshoot, and maintain network systems in business environments. Major topics covered include Cisco hardware technologies, operating systems, networking, routing, local area network (LAN) security, wireless network security, and authentication, encryption and authorization techniques. This program prepares students for a career in computer security as an Information Security Technician.



### Economic Outlook and Growth of the Industry

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2020 edition, Computer Network Systems, Systems and Database Administrators employment expected to grow by 9 percent from 2020 to 2030, which is much faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov, the median annual wages of Computer Support Specialist was \$55,510 in 2020.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Computer Support Specialists, at <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm> (visited January 18, 2022).

### Program Objectives

Upon completion of the Certificate as Networking Technician Program, the graduate as an Information Security Technician will be able to:

1. Discuss network infrastructure, cryptography, assessments and audits within networks and networking environments.
2. Perform installation, configuration and troubleshooting of various network security systems.
3. Conduct security audits and take action to correct weaknesses discovered.
4. Advise coworkers on Social Engineering threats and defenses.

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate as Networking Technician, the student must successfully:

Complete the four core courses (16 Semester Credit Hours) with an overall average GPA of minimum 2.0. These courses may be completed by:

- a. Successfully completing the course at California Institute of Arts & Technology. A minimum of two courses must be completed in this manner.
- b. Transferring credit, up to two courses (8 semester credit hours) from an accredited institution of higher learning.
- c. Challenge Exam of up to one course. Each successfully challenged course will be subtracted from the allowed transfer credits.

### CNT Course Plan

This table details the courses required for completion of CIAT's Certificate as Networking Technician Program:

4 Courses Required (16 Semester Credits)		
CIS 102A	Networking Fundamentals, Part 1	4
CIS 102B	Networking Fundamentals, Part 2	4
CIS 270A	CISCO Certified Network Associate, Part 1	4
CIS 270B	CISCO Certified Network Associate, Part 2	4

## Certificate in Cloud Administration (CCA)

16 Semester Credit Hours (120 Lab Hours; 180 Lecture Hours)

Length: 20 weeks; SOC Code: 15-1152

Tuition: \$9,760.00      Technology Fees: \$200.00

### Description

The Certificate in Cloud Administration is designed for the Computer Service Technician who wants to expand their competence into the area of computer networking on premise and in the cloud. It provides the foundational skills required to install, configure, troubleshoot, and maintain network server systems and cloud management in business environments. Major topics covered include hardware technologies, operating systems, networking, security, cloud models and cloud solutions management. This program prepares students for careers in a variety of positions including LAN Administrator, Junior Network Administrator and Technical Support Specialist.



### Economic Outlook and Growth of the Industry

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2020 edition, Computer Network Systems, Systems and Database Administrators employment expected to grow by 9 percent from 2020 to 2030, which is much faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov, the median annual wages of Information Security Analyst was \$103,590 in 2020.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Information Security Analysts, at <https://www.bls.gov/ooh/computer-and-information-technology/information-security-analysts.htm> (visited January 14, 2022).

### Program Objectives

Upon completion of the Certificate in Cloud Administration Program, the graduate will be able to:

1. Install, upgrade, and migrate Windows Server in host and compute environments on servers and workloads.
2. Install Windows Server features and roles; install and configure Windows Server Core; manage Windows Server Core installations using GUI and Windows PowerShell.
3. Create, direct, and manage Active Directory services.
4. Install and configure Hyper-V and Virtual Machines.
5. Migrate virtual servers to Microsoft Azure™ cloud.
6. Create, manage, and maintain cloud resources and services in major providers like Microsoft Azure™ and AWS™.
7. Budget expenditures for cloud products that provide solutions to today's modern businesses.

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate as Computer Technician, the student must successfully:

1. Complete the four core courses (16 Semester Credit Hours) with an overall average GPA of minimum 2.0. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of one course must be completed in this manner.
  - b. Transferring credit, up to two courses (8 semester credit hours) from an accredited institution of higher learning.
  - c. Challenge Exam of up to one course. Each successfully challenged course will be subtracted from the allowed transfer credits.

### CCA Course Plan

This table details the courses required for completion of CIAT's Certificate as Certificate in Cloud Administration Program:

4 Courses Required (16 Semester Credits)		
CIS 154	Windows and Microsoft 365	4
CIS 130	Azure Cloud Fundamentals	4
CIS 131	Azure Cloud Administration	4
CIS 132	AWS Certified Cloud Practitioner	4

## Certificate as Computer Technician (CCT)

16 Semester Credit Hours (120 Lab Hours; 180 Lecture Hours)

Length: 20 weeks; SOC Code: 15-1152

Tuition: \$9,760.00      Technology Fees: \$200.00

### Description

The Certificate as Computer Technician program provides the foundational skills required to install, configure, troubleshoot, and maintain computer systems in business environments. Major topics covered include hardware technologies, operating systems, networking and security. This program prepares students for entry level positions as a Technical Support Specialist, Help Desk Technician or PC Technician.

### Economic Outlook and Growth of the Industry

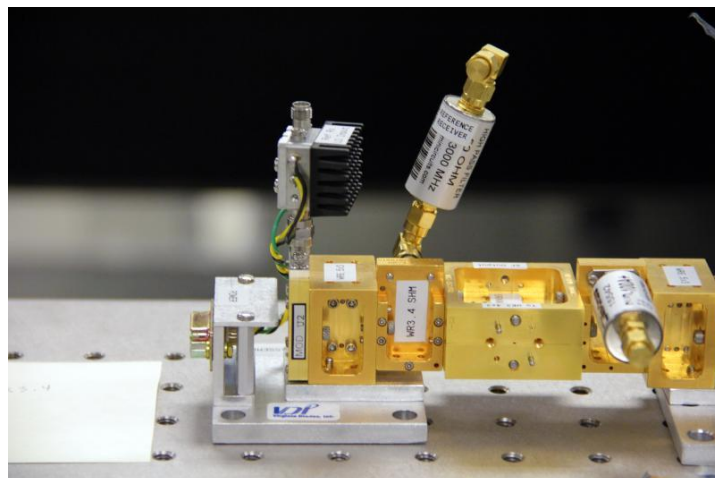
According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2020 edition, Computer Network Systems, Systems and Database Administrators employment expected to grow by 9 percent from 2020 to 2030, which is much faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov, the median annual wages of Computer Support Specialists was \$55,510 in 2020.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Computer Support Specialists, at <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm> (visited January 18, 2022).

### Program Objectives

Upon completion of the Certificate as Computer Technician Program, the graduate will be able to:

1. Discuss computer operating systems and hardware fundamentals
2. Perform essential steps in PC installation, configuration, troubleshooting and repair
3. Install, Configure and troubleshoot basic networking hardware, protocols and services
4. Discuss network infrastructure, cryptography, assessments and audits within networks and networking environments
5. Perform installation, configuration and troubleshooting of various operating systems and network operating systems



### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate as Computer Technician, the student must successfully:

- Complete the four core courses (16 Semester Credit Hours) with an overall average GPA of minimum 2.0. These courses may be completed by:
  - Successfully completing the course at California Institute of Arts & Technology. A minimum of one course must be completed in this manner.
  - Transferring credit, up to two courses (8 semester credit hours) from an accredited institution of higher learning.
  - Challenge Exam of up to one course. Each successfully challenged course will be subtracted from the allowed transfer credits.

### CCT Course Plan

This table details the courses required for completion of CIAT's Certificate as Computer Technician Program:

34 Courses Required (16 Semester Credits)		
CIS 100A	Computer Fundamentals	4
CIS 100B	IT Fundamentals	4
CIS 101A	Computer Hardware Fundamentals	4
CIS 101B	Computer Operating Systems	4

## Certificate as Cisco Certified Network Associate (CCNA)

150 Clock Hours (60 Lab Hours; 90 Lecture Hours)

Length: 10 Weeks; SOC Code: 15-1142

Tuition: \$4,880.00 Technology Fees: \$100.00

### Description

Successful graduates will be fully prepared and qualified for entry level positions as network administrators for Cisco network systems. In addition to preparing the student for the vendor neutral CompTIA Network+ certification, this program prepares the student to achieve the Cisco Certified Network Associate certification by successfully passing the following Cisco certification exams:

1. Cisco Configuration, ICND1
2. Cisco Configuration, ICND2

### Economic Outlook and Growth of the Industry

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2020 edition, Computer Network Systems, Systems and Database Administrators employment expected to grow by 9 percent from 2020 to 2030, which is much faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov, the median annual wages of Network and Computer Systems Administrator was \$84,810 in 2020.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Network and Computer Systems Administrators, at <https://www.bls.gov/ooh/computer-and-information-technology/network-and-computer-systems-administrators.htm> (visited January 21, 2022).

### Program Objectives

Upon completion of the Certificate in Cisco Network Professional-Security Specialist program, the graduate will be able to:

1. Describe fundamentals and theory of computer networking systems and how they are applied in various business situations,
2. Install medium-size Cisco routed and switched networks,
3. Configure medium-size Cisco routed and switched networks,
4. Operate medium-size Cisco routed and switched networks,
5. Troubleshoot medium-size Cisco routed and switched networks,
6. Implement and verify connections to remote sites in a WAN.



### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate as Cisco Certified Network Associate, the student must successfully:

1. Complete the two core courses (150 clock hours) with an overall average GPA of minimum 2.0. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of one course must be completed in this manner.
  - b. Transferring credit, up to one course (75 clock hours) from an accredited institution of higher learning.
  - c. Challenge Exam of up to one course. Each successfully challenged course will be subtracted from the allowed transfer credits.

### CCNA Course Plan

This table details the courses required for completion of CIAT's Certificate as Cisco Network Associate Program:

2 Courses Required (150 Clock Hours)		
CIS 270A	CISCO Certified Network Associate, Part 1	75
CIS 270B	CISCO Certified Network Associate, Part 2	75



## Certificate in Software Development (CSD)

24 Semester Credit Hours (180 Lab Hours; 270 Lecture Hours)

Length: 30 Weeks; SOC Code: 15-1132

Tuition: \$14,640.00      Technology Fees: \$300.00

### Description

Successful graduates will be prepared for entry-level employment as application developers and they will be certified as fluent in the use of:

1. C++
2. C#
3. Android
4. iOS Programming
5. Python

### Economic Outlook and Growth of the Industry

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2020 edition, employment in the Software Development field is expected to grow much faster than the average for all occupations and add 1,847,900 new jobs over the 2020-30 decade. According to bls.gov in 2020, the median annual wage for Software Developer was \$110,140.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Software Developers, Quality Assurance Analysts, and Testers, at <https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm> (visited February 05, 2022).

### Program Objective

Upon completion of the Certificate in Software Development program, the graduate will be able to:

1. Analyze users' needs, then design, test, and develop software to meet those needs,
2. Recommend software upgrades for customers' existing programs and systems,
3. Design each piece of the application or system and plan how the pieces will work together,
4. Create flowcharts and other models that instruct programmers how to write the software's code,
5. Ensure that the software continues to function normally through software maintenance and testing,
6. Document every aspect of the application or system as a reference for future maintenance and upgrades,
7. Collaborate with other computer specialists to create optimum software.

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate in Software Development, the student must successfully:

1. Complete the six core courses (24 Semester Credit Hours) with an overall average GPA of minimum 2.0. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of two courses must be completed in this manner.
  - b. Transferring credit, up to four courses (16 Semester Credit Hours) from an accredited institution of higher learning.
  - c. Challenge Exam of up to two courses. Each successfully challenged course will be subtracted from the allowed transfer credits.

### CSD Course Plan

This table details the courses required for completion of CIAT's Certificate as Software Development Program:

6 Courses Required (24 Semester Credits)		
ASD 101	Python Fundamentals	4
ASD 102	Object-Oriented Programming with C++	4
ASD 103	Relational Database Management Systems and SQL	4
ASD 210	Intermediate Python	4
ASD 170	Front-End Development with HTML and CSS	4
ASD 190	Internet Architecture with PHP and other OSS	4





## Certificate as Microsoft Office Specialist (MOS)

15 Semester Credit Hours (225 Lecture Hours)  
Length: 25 weeks; SOC Code: 43-4199, 43-9199  
Tuition: \$9,975.00

### Description

Successful graduates will be certified as proficient in the use of the following Microsoft Office component programs:

1. Microsoft Word
2. Microsoft Excel
3. Microsoft PowerPoint
4. Microsoft Outlook
5. Microsoft Access

### Economic Outlook and Growth of the Industry

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2020 edition, employment in the Administrative field is expected to grow about as fast as the average for all occupations, with a greater than average growth of Administrative Assistants needed in the Medical Office field and add 3,363,900 new jobs over the 2020-30 decade. Median annual wages of secretaries and administrative assistants were \$40,990 in 2020.\*

\*Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Secretaries and Administrative Assistants, at <https://www.bls.gov/ooh/office-and-administrative-support/secretaries-and-administrative-assistants.htm> (visited January 24, 2022).



### Program Objective

Upon completion of the Microsoft Office Specialist Certificate program, the graduate will be able to:

1. Create documents and correspondence utilizing Microsoft Word,
2. Create spreadsheets and graphs utilizing Microsoft Excel,
3. Create audio-visual presentations and “slideshows” utilizing Microsoft PowerPoint,
4. Manage emails, appointments and schedules utilizing Microsoft Outlook,
5. Create, maintain and query a relational database utilizing Microsoft Access.

### Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate as Microsoft Office Specialist, the student must successfully:

1. Complete the five core courses (15 Semester Credit Hours) with an overall average GPA of minimum 2.0. These courses may be completed by:
  - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of two courses must be completed in this manner.
  - b. Transferring credit, up to three courses (9 semester credit hours) from an accredited institution of higher learning.
  - c. Challenge Exam of up to one course. Each successfully challenged course will be subtracted from the allowed transfer credits.

### MOS Course Plan

This table details the courses required for completion of CIAT’s Certificate as Microsoft Office Specialist:

5 Courses Required (15 Semester Credits)		
BUS 101	Word Processing Fundamentals	3
BUS 102	Creating and Using Spreadsheets	3
BUS 103	Presentation Applications	3
BUS 104	Database Management	3
BUS 105	Business and Email Management	3



## INDIVIDUAL COURSE DESCRIPTIONS

### Networking

#### CIS 100

##### IT Fundamentals

4 Semester Credits

##### Course Description

CIS100 focuses on the essential IT skills and knowledge needed to perform tasks commonly performed by advanced end-users and entry-level IT professionals. CIS100 is designed to help students prepare for and complete the CompTIA FCO-U61 Exam.

##### Prerequisites:

There are no prerequisites for IT Fundamentals. However, before taking either course the student should be familiar with:

- Using a mouse and keyboard
- Installing and running programs
- Using basic productivity software including word processing applications
- Saving files created by common applications
- Browsing the internet

##### Certification:

FCO-U61 CompTIA IT Fundamentals (ITF+) is an introduction to basic IT knowledge and skills. This exam is intended for candidates who are advanced end users and/or are considering a career in IT. The exam is also a good fit for individuals interested in pursuing professional-level certifications, such as A+.

#### CIS 101A

##### Computer Hardware Fundamentals

4 Semester Credits

##### Course Description

This course represents the 1st half of a two-part class that focuses a step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software. This Computer Hardware Fundamentals course is mapped to the CompTIA A+ 220-1001 Certification Exam objectives. The primary goal of this course is to prepare students for the CompTIA A+ 220-1001 Certification exam. Register for this Computer Hardware Fundamentals online training course.

##### Prerequisites:

There are no prerequisites for Computer Hardware Fundamentals. Computer Hardware Fundamentals is a prerequisite for Computer Operating Systems. However, before taking either course the student should be familiar with:

1. Use of a mouse and keyboard
2. Installing and running programs
3. Using basic productivity software including processing applications
4. Saving files created by common applications
5. Browsing the internet

Students who have successfully passed the current CompTIA A+ Essentials certification exam within the last 36 months may proceed directly with Computer Operating Systems.

##### Certification:

Please see 101B Certification requirement.

#### CIS 101B

##### Computer Operating Systems

4 Semester Credits

##### Course Description

This course represents the 2nd half of a two-part course that focuses on a step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software. This course is mapped to the CompTIA A+ 220-1002 Certification Exam objectives. The primary goal of this course is to prepare students for the CompTIA A+ 220-1002 Certification exam. Learn everything you need to know in this Computer Operating Systems course.

##### Prerequisites:

There are no prerequisites for Computer Hardware Fundamentals. Computer Hardware Fundamentals is a prerequisite for Computer Operating Systems. However, before taking either course the student should be familiar with:

- Use of a mouse and keyboard
- Installing and running programs
- The use of basic productivity software including word processing applications
- Saving files created by common applications
- Browsing the internet

Students who have successfully passed the current CompTIA A+ Essentials certification exam within the last 36 months may proceed directly with Computer Operating Systems.

##### Certification:

These courses have recently been updated and now prepare the student to successfully attain CompTIA A+ Certification by passing the CompTIA A+ Essentials (220-1001) and CompTIA A+ Practical's (220-1002) certification exams. Taking these exams is optional and may involve extra cost to the student. Successful completion of these courses does not require the student to attempt and/or pass these certification exams.

#### CIS 102A

##### Networking Fundamentals, Part 1

4 Semester Credits

##### Course Description

This course provides an overview of networking. This is the first of two CIAT courses that help to prepare students to take the CompTIA Network+ Certification exam. Areas covered include design, implementation, configuration, management, and troubleshooting of common wired and wireless networks and network devices. Also included are emerging

technologies such as mobile, cloud, unified communications, and virtualization technologies. Topic areas include LANs, WANs, TCP/IP, cabling, network applications, and more.

**Prerequisites:**

Completion of Computer Hardware Fundamentals and Computer Operating Systems is strongly recommended. Students who have successfully completed the current CompTIA A+ Certification process within the last 12 months or, upon approval by CIAT admissions, those who have nine months or more experience or education in computer networking may precede directly with Networking Fundamentals.

**Certification:**

Please see 102B Certification requirement.

## CIS 102B

### Networking Fundamentals, Part 2

4 Semester Credits

**Course Description**

This course teaches advanced networking skills, network security, network hardening, network optimization and troubleshooting. Completion of this course provides in network technologies, tools and standards as well as it serves as the second course designed as preparation for the CompTIA Network+ professional certification Exam.

Topic areas include security, cloud computing and virtualization, wireless networking, emerging technologies such as unified communications, and more.

**Prerequisites:**

Computer Hardware Fundamentals is a prerequisite for Computer Operating Systems. Before taking either course, the student should be familiar with:

- Using a mouse and keyboard
- Installing and running programs
- Using basic productivity software including word processing applications
- Saving files created by common applications
- Browsing the internet

Students who have successfully passed the current CompTIA A+ Essentials certification exam within the last 36 months may proceed directly to Computer Operating Systems.

**Certification:**

This course prepares the student to successfully attain CompTIA Network+ Certification by passing the CompTIA Network+ (N10-007) certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this certification exam.

## CIS 120A

### Network Security, Part 1

4 Semester Credits

**Course Description**

This course teaches the knowledge needed to begin a career in the rapidly expanding and changing field of Information Technology Cyber Security. After completion of this course students will be able to identify the differences between cyber based threats, attacks, and vulnerabilities. Differentiate between the differing types of malware, compare and contrast the various types of social engineering, application/service and cryptographic attacks. This class will also teach students the technologies and tools associated with cyber security and use appropriate software tools to assess the security posture of an organization. Finally, this course will teach the different architecture and design concepts for network security, hardware/firmware security and operating system security.

**Prerequisites:**

Intermediate experience with the use of computers in general is required. Completion of CIS102B as some knowledge of group policies, networking, and the acronyms associated with those areas of study will be needed to understand network security.

**Certification:**

This course along with completion of 120B prepares the student to successfully attain CompTIA Security+ Certification by passing the CompTIA Security+ (SY0-501) certification exam.

## CIS 120B

### Network Security, Part 2

4 Semester Credits

**Course Description**

After completion of this course, students will have the knowledge needed to identify and access a management system, how to write and maintain different types of IT security documentation based on the importance of policies, plans and procedures as they relate to organizational security. Summarize business impact analysis concepts that deal with finance, single points of failure, and safety. Explain risk management processes and concepts that pertain to threat assessments, risk assessments, and change management.

How to prepare an incident response plan and the processes for incident response. Additionally, students will learn the basics concepts of forensics including order of volatility, chain of custody and data acquisition. Finally, students will learn about the many forms of cryptography and public key infrastructure as it relates to cyber security. Concepts that deal with symmetric algorithms, asymmetric algorithms, and cipher modes will be discussed, along with how to implement a PKI.

**Prerequisites:**

Completion of CIS120A – Network Security Part 1.

**Certification:**

This course along with completion of 120B prepares the student to successfully attain CompTIA Security+ Certification by passing the CompTIA Security+ (SY0-501) certification exam.

**CIS 130****Azure Cloud Fundamentals**

4 Semester Credits

**Course Description**

This course is designed to prepare the student for the Azure Cloud by introducing the fundamentals of the Azure cloud products, and their use in modern enterprise networks and data systems. An overview of the Windows Server Operating System in the cloud is also touched upon.

**Prerequisites:**

Operational knowledge of Windows 7 or 10 operating systems is required to successfully complete this course.

**Certification:**

The objectives for the AZ-900 Microsoft Azure Fundamentals are covered and will prepare a student to take this exam.

**CIS 131****Azure Cloud Administration**

4 Semester Credits

**Course Description**

This course is designed to introduce students to a very specific Azure Cloud job role called Azure Administrator Associate. Students will learn how to operate a Microsoft Azure-based cloud infrastructure, including implementing, monitoring and maintaining Microsoft Azure solutions. Learning activities involve becoming familiar with the details about the major services related to Compute, Storage, Network and Security.

**Prerequisites:**

Must have successfully completed CIS130 – Microsoft Server to Azure Fundamentals Concepts.

**Certification:**

Students who successfully complete the course will be prepared to take the AZ-104 “Azure Administrator Associate” exam.

**CIS 132****AWS Certified Cloud Practitioner**

4 Semester Credits

**Course Description**

This course covers all the topics related to the AWS Certified Cloud Practitioner (CLF-C01) Exam. Topics covered include the value of the AWS Cloud, security best practices, core AWS services and common use cases. AWS provides a free account for up to 1 year which will be used in the class for hands-on experience.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of the Net+ coursework/certification or the equivalent experience in networking.

**Certification:**

Every topic covered on the AWS Certified Cloud Practitioner Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn the AWS Certified Cloud Practitioner certification.

**CIS 133****Solutions Architect Associate**

4 Semester Credits

**Course Description**

This course covers all the topics related to the AWS Solutions Architect Associate Exam. Topics covered include the AWS Cloud architecture, storage and security, high performance and how to design cost-effective AWS solutions.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of the CIS132: AWS Cloud Practitioner or the equivalent experience in Cloud Computing.

**Certification:**

AWS provides a free account for up to 1 year which will be used in the class for hands-on experience. Every topic covered on the AWS Certified Solutions Architect Associate Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn the AWS Certified Solutions Architect Associate certification.

**CIS 154****Windows & Microsoft 365**

4 Semester Credits

**Course Description**

This course is divided into two sections. The first section focuses on the Windows 10 operating system. It covers such topics and skills such as Overview of Windows Operating System Windows 10, features, and editions, troubleshooting tools and tips, installation and upgrade process, editions, and settings. In addition, you will learn about various features of Windows 10: Edge, Cortana, managing applications, files, and folders, and manage devices. This course also discusses Windows 10 security, malware protection, & remote access and virtualization. The second part of this course covers the skills measured by the Microsoft MS-900 exam, with each of the four main areas covered in a separate chapter. Areas covered include understanding cloud concepts, core Microsoft 365 services and concepts, security, compliance and trust in Microsoft 365 and Microsoft 365 pricing and support. Each chapter is broken down into individual skill sections, which cover all the suggested topics for each skill.

**Prerequisites:**

Completion of Networking Fundamentals is strongly recommended. Students who have successfully completed the current CompTIA Network+ Certification process within the last 12 months or, upon approval by CIAT admissions, those who have 12 months or more of work

experience in IT networking, may proceed directly with Configuring Windows 7.

**Certification:**

The course prepares the student for the following certification: Microsoft 365 Certified Fundamentals, Exam MS-900.

## CIS 230A

### Installation and Configuration of Linux, Part 1

4 Semester Credits

**Course Description**

This course represents the 1st half in a two-part class for the CompTIA certification exams for Linux operating system: XK0-005. This course provides most of core objectives coverage and practical preparation for the first half of the Linux certification for industry professionals including but not limited to installation, configuration and maintenance of Linux, configuration of user interface and applications management, configuration and management of boot and shutdown of Linux, as well as Users and Group management.

**Prerequisites:**

It is highly recommended that the student has successfully completed both the CompTIA A+ and CompTIA Net+ certifications prior to attempting these courses.

**Certification**

230A and B prepare students to attain CompTIA Linux+ certification.

## CIS 230B

### Installation and Configuration of Linux, Part 2

4 Semester Credits

**Course Description**

This course represents the 2nd half in a two-part class for the CompTIA certification exams for Linux operating system: XK0-005. This course provides most of the core objectives coverage and practical preparation as the second half of the Linux certification for industry professionals including but not limited to storage devices, networking, firewalls, scripting, Git and security best practices.

**Certification**

230A and B prepare students to attain CompTIA Linux+ certification.

**Prerequisites:**

It is highly recommended that the student has successfully completed both the CompTIA A+ and CompTIA Net+ certifications prior to attempting these courses. Installation and Configuration of Linux, Part 1 is a prerequisite for Installation and Configuration of Linux, Part 2. Students who have successfully passed the current CompTIA Linux+ Part 1 (LX0-101) certification exam within the last 12 months may proceed directly with Installation and Configuration of Linux, Part 2.

## CIS 270A

### CISCO Certified Network Associate, Part 1

4 Semester Credits

**Course Description**

The Cisco certification validates the skills required for entry-level network support positions, the starting point for many successful careers in networking. Cisco Configuration Part 1 and the following Cisco Configuration Part 2 are part of Cisco Certified Network Associate (CCNA 200-301) certification. CCNA certified professionals have the knowledge and skill to install, operate, and troubleshoot a small enterprise branch network, including basic network security.

This course is the first part of the Cisco Certified Network Associate training.

**Prerequisites:**

Completion of CIS102B or CompTIA Network+ Certification is required.

**Certification:**

Please see certification requirements under 270B.

## CIS 270B

### CISCO Certified Network Associate, Part 2

4 Semester Credits

**Course Description**

This course represents the 2nd half in a two-part class for the Cisco Certified Network Associate certification (CCNA 200-301). Students will continue to gain the knowledge and skills in areas such as network Fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.

**Prerequisites:**

Completion of 270A: Cisco Certified Network Associate Course (CCNA Part 1) is required.

**Certification:**

This course prepares the student to attain the CCNA 200-301 certification.

## CIS 280A

### Cisco DevNet, Part 1

4 Semester Credits

**Course Description**

This course represents the 1st half in a two-part class for the Cisco DevNet Associate certification exams: 200-901. This course provides most of the core objectives coverage and practical preparation for the first half of the DevNet Associate certification for industry professionals including but not limited to data formats (XML, JSON, YAML), software development methods, version management with Git, exploring API's, Python language as used with CISCO, and constructing code to be used with CISCO devices.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of the CCNA courses, and the completion of the Net+ coursework/certification or the equivalent experience in networking.



**Certification:**

CISCO has resources available on their website which will be heavily used. Sandboxes and learning labs will be used in a simulated training that prepares students for the CISCO DEVASC 200-901 certification exam. This course does not include any of the above noted certifications, however, it does provide an adequate training and preparation for students to be able to take and obtain those certification exams. Out of class study time would reasonably be expected of the student to earn the CISCO Certified DevNet Associate.

**CIS 280B****Cisco DevNet, Part 2**

4 Semester Credits

**Course Description**

This course represents the 2nd half in a two-part class for the Cisco DevNet Associate certification exams: 200-901. This course provides most of the core objectives coverage and practical preparation for the second half of the DevNet Associate certification for industry professionals including but not limited to: Containers, Cloud computing, Jumpstart NetDevOps, Docker and Security, IoT, UCS Director, IOS-XR programmability, Edge computing, ACI Programmability, ACI CNI Plug-in for Kubernetes, Meraki Integrations, Networking, PyATS and VIRL, IOS-XR CLI, and Ansible.

**Prerequisites:**

Students must have skills and knowledge acquired from the first half of the DevNet A Certification objectives (same as DevNet A CIAT course). Some experience with the use of computers in general is recommended.

**Certification:**

CISCO has resources available on their website which will be heavily used. Sandboxes and learning labs will be used in a simulated training that prepares students for the CISCO DEVASC 200-901 certification exam. This course does not include any of the above noted certifications, however, it does provide an adequate training and preparation for students to be able to take and obtain those certification exams. Out of class study time would reasonably be expected of the student to earn the CISCO Certified DevNet Associate.

**CLD 330****AWS SysOps Administrator**

4 Semester Credits

**Course Description**

This course covers all of the topics related to the AWS Certified SysOps Administrator Associate Exam. Topics covered include the AWS monitoring, reporting, high availability and security.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of both the CIS132: AWS Cloud Practitioner and CIS 133: AWS Solutions Architect Associate or the equivalent experience in Cloud Computing.

**Certification:**

AWS provides a free account for up to 1 year which will be used in the class for hands-on experience. Every topic covered on the AWS Certified SysOps Administrator Associate Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn the AWS Certified SysOps Administrator Associate Certification.

**CLD 331****AWS Security Specialty**

4 Semester Credits

**Course Description**

This course covers all of the topics related to the AWS Certified Security – Specialty Exam. Topics covered include the AWS Identity Access Management, Logging and Monitoring, Infrastructure Security and Data Protection with VPCs.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of both the CIS132: AWS Cloud Practitioner and CIS 133: AWS Solutions Architect Associate or the equivalent experience in Cloud Computing.

**Certification:**

AWS provides a free account for up to 1 year which will be used in the class for hands-on experience. Every topic covered on the AWS Certified Security – Specialty Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn AWS Certified Security – Specialty Certification.

**CLD 332****Azure Security Technologies**

4 Semester Credits

**Course Description**

This course provides IT Security Professionals with the knowledge and skills needed to implement security controls, maintain an organization's security posture, and identify and remediate security vulnerabilities. This course includes security for identity and access, platform protection, data and applications, and security operations. Topics include Azure Active Directory, Azure AD Identity Protection, Azure AD Privileged Identity Management, Perimeter Security, Network Security, Host Security, Container Security, Key Vault, Application Security, Storage Security, Database Security, Azure Monitor, Azure Security Center, and Azure Sentinel.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of the CIS131: Azure Cloud Administration course or the equivalent experience in Cloud Computing.

**Certification:**

Every topic covered on the Microsoft Azure Security Technologies Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn Microsoft Azure Security Technologies Certification.

**CLD 333****AWS Database Specialty**

4 Semester Credits

**Course Description**

This course covers all the topics related to the AWS Certified Database - Specialty Exam. Topics covered include the AWS Database Design, Deployment and Migration, Management and Operations, Monitoring and Troubleshooting and Database Security.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of both the CIS132: AWS Cloud Practitioner and CIS 133: AWS Solutions Architect Associate or the equivalent experience in Cloud Computing.

**Certification:**

AWS provides a free account for up to 1 year which will be used in the class for hands-on experience. Every topic covered on the AWS Certified Database - Specialty Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn AWS Certified Database - Specialty Certification.

**CLD 334****AWS Developer Associate**

4 Semester Credits

**Course Description**

This course covers all the topics related to the AWS Certified Developer Associate Exam. Topics covered include the AWS Cloud API, Encryption on AWS, Deployment as Code and Serverless Compute.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of both the CIS132: AWS Cloud Practitioner and CIS133: AWS Solutions Architect Associate or the equivalent experience in Cloud Computing.

**Certification:**

AWS provides a free account for up to 1 year which will be used in the class for hands-on experience. Every topic covered on the AWS Certified Developer Associate Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn the AWS Developer Associate Certification.

**CLD 335****Google Cloud Engineer**

4 Semester Credits

**Course Description**

This course covers all the topics related to the Google Cloud Certified Associate Cloud Engineer Exam. Topics covered include the AWS Database Design, Deployment and Migration, Management and Operations, Monitoring and Troubleshooting and Database Security.

**Prerequisites:**

Some experience with the use of computers in general is recommended. Completion of the CIS132: AWS Cloud Practitioner course or the equivalent experience in Cloud Computing.

**Certification:**

Google Cloud provides a Free Tier account which will be used in the class for hands-on experience. Every topic covered on the Google Cloud Certified Associate Cloud Engineer Exam will be included in this course in order to best prepare students to successfully pass the certification exam. Out of class study time would reasonably be expected of the student to earn Google Cloud Certified Associate Cloud Engineer Certification.

**SEC 340A****Certified Ethical Hacker, Part 1**

4 Semester Credits

**Course Description**

This class will immerse the student into an interactive environment where they will be shown how to scan, test, hack and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be led into scanning and attacking their own networks. No real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system. Students will also learn about Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows and Virus Creation. This course prepares you for EC-Council Certified Ethical Hacker exam 312-50.

**Prerequisites:**

Completion of CIS120 - Network Security Part 1 and Part 2 is strongly recommended. Students who have successfully completed the current CompTIA Security+ Certification process within the last 12 months or at least 24 months of on the job experience in network security, may proceed directly with SEC320A - Certified Ethical Hacker.

**Certification:**

Upon successfully completing both 340A & 340B will prepare the student to successfully attain EC Council's Certified Ethical Hacker Certification by passing the EC Council 312-50 Certified Ethical Hacker certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this certification exam.

## SEC 340B

### Certified Ethical Hacker, Part 2

4 Semester Credits

#### Course Description

This course represents the 2nd half of a two-part course that will immerse the student into an interactive environment where they will be shown how to scan, test, hack and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be led into scanning and attacking their own networks. No real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system. Students will also learn about Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows and Virus Creation. This course prepares the student for EC-Council Certified Ethical Hacker exam 312-50.

#### Prerequisites:

Students must have the skills and knowledge required from SEC340A – Certified Ethical Hacker, Part 1.

#### Certification:

This course prepares the student to successfully attain EC Council's Certified Ethical Hacker Certification by passing the EC Council 312-50 Certified Ethical Hacker certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this certification exam.

## SEC 350A

### Advanced Network Security CISSP, Part 1

4 Semester Credits

#### Course Description

This course represents the 1st half of a two-part class that focuses on preparing for the CISSP Certification and career of IS/IT Cyber Security management professional. The CISSP Certification is administered by the International Information Systems Security Certification Consortium or (ISC). (ISC) promotes the CISSP exam as an aid to evaluating personnel performing information security functions. Candidates for this exam are typically network security professionals and system administrators with at least five years of direct work experience in two or more of the eight test domains. As the first ANSI ISO accredited credential in the field of information security, the Certified Information Systems Security Professional (CISSP) certification provides information security professionals with not only an objective measure of competence, but a globally recognized standard of achievement. Successfully completing SEC350A and SEC350B will help candidates to prepare for this exam.

#### Prerequisites:

Completion of CIS120 Network Security, Part 1 and Part 2 is strongly recommended. It is also recommended that the student have a minimum of 2 years of experience in IT administration including hands-on technical security experience before attempting the certification exam.

#### Certification:

Upon successfully completing both 350A & 350B will prepare the student to successfully attain the Certified Information Systems Security Professional (CISSP®) Certification by passing the Certified Information Systems Security Professional (CISSP®) certification exam. The student is required to have a minimum of 5 years' experience in Information Security to be eligible for this certification. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this certification exam.

## SEC 350B

### Advanced Network Security CISSP, Part 2

4 Semester Credits

#### Course Description

This course represents the 2nd half of a two-part course that focuses on preparing for the CISSP Certification and career of IS/IT Cyber Security management professional. The CISSP Certification is administered by the International Information Systems Security Certification Consortium or (ISC). (ISC) promotes the CISSP exam as an aid to evaluating personnel performing information security functions. Candidates for this exam are typically network security professionals and system administrators with at least five years of direct work experience in two or more of the eight test domains. As the first ANSI ISO accredited credential in the field of information security, the Certified Information Systems Security Professional (CISSP) certification provides information security professionals with not only an objective measure of competence, but a globally recognized standard of achievement. Successfully completing SEC350A and SEC350B will help candidates to prepare for this exam.

#### Prerequisites:

Students must have the skills and knowledge required from SEC350A – Advanced Network Security (CISSP), Part 1.

#### Certification:

This course prepares the student to successfully attain the Certified Information Systems Security Professional (CISSP®) Certification by passing the Certified Information Systems Security Professional (CISSP®) certification exam. The student is required to have a minimum of 5 years' experience in Information Security to be eligible for this certification. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this certification exam.

## NET 381A

### Implementing and Operating Cisco Enterprise Core Technologies (ENCOR), Part 1

4 Semester Credits

#### Course Description

This course represents the 1st half of a two-part class associated with the CCNP and CCIE Enterprise Certifications. The students will gain knowledge of Implementing Cisco Enterprise Network Core Technologies including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure,

network assurance, security and automation. This course helps students to prepare for the ENCOR 350-401 exam.

#### Prerequisites:

Students must have skills and knowledge required from CIS270A CCNA Part 1 and CIS270B CCNA Part 2 or equivalent.

#### Certification:

Implementing Cisco Enterprise Network Core Technologies v1.0 (ENCOR 350-401) is a 120-minute exam associated with the CCNP and CCIE Enterprise Certifications. This exam tests a candidate's knowledge of implementing core enterprise network technologies including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security, and automation. Upon successfully completing both 381A & 381B Implementing Cisco Enterprise Network Core Technologies, help candidates to prepare for this exam.

## NET 381B

### Implementing and Operating Cisco Enterprise Core Technologies (ENCOR), Part 2

4 Semester Credits

#### Course Description

This course represents the 2nd half of a two-part course associated with the CCNP and CCIE Enterprise Certifications. The students will gain knowledge of Implementing Cisco Enterprise Network Core Technologies including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security, and automation. This course helps students to prepare for the ENCOR 350-401 exam.

#### Prerequisites:

Students must have skills and knowledge required from NET381A Implementing and Operating Cisco Enterprise Core Technologies (Encore) Part 1.

#### Certification:

Implementing Cisco Enterprise Network Core Technologies v1.0 (ENCOR 350-401) is a 120-minute exam associated with the CCNP and CCIE Enterprise Certifications. This exam tests a candidate's knowledge of implementing core enterprise network technologies including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security, and automation. The course, Implementing Cisco Enterprise Network Core Technologies, helps candidates to prepare for this exam.

## NET 382A

### Implementing Cisco SD-WAN Solutions, Part 1

4 Semester Credits

#### Course Description

This course represents the 1st half of a two-part class for Implementing Cisco SD-WAN Solutions (SDWAN300). This course provides in depth training on how to design, deploy, configure, and manage your Cisco Software-Defined WAN (SD-WAN) solution in a large-scale live network,

including how to migrate from legacy WAN to SD-WAN. Students will learn best practices for configuring routing protocols in the data center and the branch, as well as how to implement advanced control, data, and application-aware policies.

#### Prerequisites:

Students must have the skills and knowledge required from NET381A – Implementing Operating Cisco Enterprise Core Technologies (Encore) Part 1 and Part 2 or equivalent. In addition, students should have the following knowledge and skills before attending this course:

- Strong understanding of enterprise wide area network design.
- Strong understanding of routing protocol operation, including both interior and exterior routing protocol operation.
- Familiarity with Transport Layer Security (TLS) and IP Security (IPSec).
- General understanding of network fundamentals.
- Completion of the Cisco SD-WAN Operation and Deployment (ENSDW) course or equivalent experience.
- Knowledge of Software-Defined Networking (SDN) concepts as applied to large-scale live network deployments.
- Students must have the skills and knowledge required from CCNP ENCORE and CCNP ENARSI.

#### Certification:

The Implementing Cisco SD-WAN Solutions v1.0 (ENSDWI 300-415) exam is a 90-minute exam associated with the CCNP Enterprise and Cisco Certified Specialist - Enterprise SD-WAN Implementation certifications. This exam certifies a candidate's knowledge of Cisco's SD-WAN solution including SD-WAN architecture, controller deployment, edge router deployment, policies, security, quality of service, multicast and management and operations. Upon successfully completing both 382A & 382B will help students to prepare for this exam.

## NET 382B

### Implementing Cisco SD-WAN Solutions, Part 2

4 Semester Credits

#### Course Description

This course represents the 2nd half of a two-part class for Implementing Cisco SD-WAN Solutions (SDWAN300). This course provides in-depth training on how to design, deploy, configure, and manage your Cisco Software-Defined WAN (SD-WAN) solution in a large-scale live network, including how to migrate from legacy WAN to SD-WAN. The course also covers SD-WAN deployment and migration options, placement of controllers, and how to deploy and replace edge devices, and how to configure Direct Internet Access (DIA) breakout.

#### Prerequisites:

Students must have the skills and knowledge required from NET382A – Implementing Cisco SD-WAN Solutions Part 1. In addition, students should have the following knowledge and skills before attending this course:

- Strong understanding of enterprise wide area network design.

- Strong understanding of routing protocol operation, including both interior and exterior routing protocol operation.
- Familiarity with Transport Layer Security (TLS) and IP Security (IPSec).
- General understanding of network fundamentals.
- Completion of the Cisco SD-WAN Operation and Deployment (ENSDW) course or equivalent experience.
- Knowledge of Software-Defined Networking (SDN) concepts as applied to large-scale live network deployments.
- Students must have the skills and knowledge required from CCNP ENCORE and CCNP ENARSI.

#### **Certification:**

The Implementing Cisco SD-WAN Solutions v1.0 (ENSDWI 300-415) exam is a 90-minute exam associated with the CCNP Enterprise and Cisco Certified Specialist - Enterprise SD-WAN Implementation certifications. This exam certifies a candidate's knowledge of Cisco's SD-WAN solution including SD-WAN architecture, controller deployment, edge router deployment, policies, security, quality of service, multicast and management and operations. The course, Implementing Cisco SD-WAN Solutions, helps candidates to prepare for this exam.

## **NET 383A**

### **Implementing Cisco Enterprise Routing & Services, Part 1**

4 Semester Credits

#### **Course Description**

This course represents the 1st half of a two-part class that will focus on the implementation and troubleshooting of advanced routing technologies and services including Layer 3, VPN services, infrastructure security, infrastructure services, and infrastructure automation. This course will help prepare students to take the CCNP Enterprise and Cisco Certified Specialist - Enterprise Advanced Infrastructure Implementation certifications.

#### **Prerequisites:**

Completion of NET381: Implementing Operating Cisco Enterprise Core Technologies (Encore) and a general understanding of network fundamentals, how to manage network devices, basic knowledge of how to implement LANs, how to secure network devices, and finally, basic knowledge of network automation.

#### **Certification:**

Implementing Cisco Enterprise Advanced Routing and Services v1.0 (ENARSI 300-410) is a 90-minute exam associated with the CCNP Enterprise Certification. This exam certifies a candidate's knowledge for implementation and troubleshooting of advanced routing technologies and services including Layer 3, VPN services, infrastructure security, infrastructure services, and infrastructure automation. Upon successfully completing both 383A & 383B will help students to prepare for this exam.

## **NET 383B**

### **Implementing Cisco Enterprise Routing & Services, Part 2**

4 Semester Credits

#### **Course Description**

This course represents the 2nd half in a two-part class for Implementing Cisco Enterprise Routing and Services, (ENARSI 300-410). This course will focus on the implementation and troubleshooting of advanced routing technologies and services including Layer 3, VPN services, infrastructure security, infrastructure services, and infrastructure automation. This course will help prepare students to take the CCNP Enterprise and Cisco Certified Specialist - Enterprise Advanced Infrastructure Implementation certifications.

#### **Prerequisites:**

Completion of NET383A: Implementing Cisco Enterprise Routing and Services and a general understanding of network fundamentals, how to manage network devices, and how to secure network devices. Also, a basic knowledge of how to implement LANs and network automation.

#### **Certification:**

Implementing Cisco Enterprise Advanced Routing and Services v1.0 (ENARSI 300-410) is a 90-minute exam associated with the CCNP Enterprise Certification. This exam certifies a candidate's knowledge for implementation and troubleshooting of advanced routing technologies and services including Layer 3, VPN services, infrastructure security, infrastructure services, and infrastructure automation. This course helps candidates to prepare for this exam.

## **CLD 400**

### **Senior Project – Cloud Track**

4 Semester Credits

#### **Course Description**

This course will culminate in the application of classroom knowledge and skills in computer-based technologies to solve real-world problems and to develop research and project management skills.

Students will be provided with a scenario that is based on the needs of a fictional company. This scenario may include one of the following situations:

- An organization that has only used on-premises solutions is considering migrating to a cloud-based solution.
- An organization that has only used on premises solutions is considering a hybrid solution which includes keeping some services on premises and migrating some services to a public cloud solution.
- An organization that already uses a hybrid solution is considering migrating fully to a public cloud solution.

Students will be required to research possible solutions for the fictional company, develop a Plan of Action (POA) and describe this POA both in writing and in a verbal report.



**Prerequisites:**

Completion of the following courses:

- CIS132 - AWS Cloud Practitioner
- CIS133 - AWS Solutions Architect Associate
- CIS233 - AWS SysOps Administrator Associate
- CIS234 - AWS Developer Associate
- CIS235 - Google Cloud Engineer
- CIS330 - AWS Security Specialty
- CIS331 - AWS Database Specialty
- CIS332 - Microsoft Azure Security Technologies

**NET 400****Senior Project – Networking Track**

4 Semester Credits

**Course Description**

This course will culminate in the application of classroom knowledge and skills in computer-based technologies to solve real-world problems and to develop research and project management skills. This course focuses on high behavior of networks planning, designing, implementing, and testing. It will cover network architectures, protocols, and performance. Students will work on software and hardware, using available network devices as part of a physical network or simulating the behavior of a network on a network simulator.

NET400 has several goals: To learn about network fundamentals; to work on network designing; to incorporate various topics such as IP connectivity, Network Security fundamental and learning the process of planning a project to completion.

The objective towards meeting these goals is requiring students to design and realize a modest local area network and or Wide area Network with High level of Redundancy, Availability, and Scalability.

This course encourages student enthusiasm, understanding of network operation (on the routing and switching level), student appreciation of the need for thorough testing, initiative in cooperatively troubleshooting the network, and student success in demonstrating functioning networks. The course will integrate many technical topics that students have previously studied. The project goal of designing a network is realistic and the project is modest in terms of necessary equipment and cost.

**Prerequisites:**

Completion of the following courses:

- NET381A Implementing and Operating Cisco Enterprise Core Technologies (ENCOR) 1
- NET381B Implementing and Operating Cisco Enterprise Core Technologies (ENCOR) 2
- NET382A Implementing Cisco SD-WAN Solutions 1
- NET382B Implementing Cisco SD-WAN Solutions 2
- NET383A Implementing Cisco Enterprise Routing and Services 1

- NET383B Implementing Cisco Enterprise Routing and Services 2

**SEC 400****Senior Project – Security Track**

4 Semester Credits

**Course Description**

This comprehensive 5-week course focuses on the essential principles and best practices of Business Continuity Planning (BCP) in the context of cybersecurity. Throughout the course, students will gain a thorough understanding of BCP components, such as risk assessment, business impact analysis, and recovery strategies. They will also explore the roles and responsibilities of various teams involved in BCP execution, including the Emergency Management Team, IT Recovery Team, and Communications Team. Through weekly case studies, discussions, and progress reports on a capstone project, students will develop the skills and knowledge necessary to create effective and resilient BCPs for organizations in today's complex cybersecurity landscape. By the end of the course, students will be well-prepared to manage and maintain BCPs, ensuring the continued success and security of an organization in the face of disruptions and cyber threats.

**Prerequisites:**

Completion of the following courses:

- CLD331: AWS Security Specialty
- CLD332: Microsoft Azure Security Technologies
- SEC320A: Certified Ethical Hacker, Part 1
- SEC320B: Certified Ethical Hacker, Part 2
- SEC340A: Advanced Network Security (CISSP), Part 1
- SEC340B: Advanced Network Security (CISSP), Part 2

**Software Development****ASD 101A****Python Fundamentals, Part 1**

4 Semester Credits

**Description**

This course introduces students to basic concepts in programming and common baseline computer science topics. The focus of the course will be primarily in Python using the IDLE development environment. Students establish a foundational knowledge base and aptitude required for pursuing more advanced computer science studies. Python language concepts like data types, variables, program control, functions, dictionaries, and modules will be presented. Additional topics introduced include text editors, IDEs, compilers, program development workflows and nested loops. Upon completion of the course students will be able to understand how to create, modify, and maintain basic Python programs to provide software-based solutions.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 101B****Python Fundamentals, Part 2**

4 Semester Credits

**Description**

This course introduces students to essential programming concepts applied to any programming language. From the previous section of this course, ASD101A students should be already familiar with Python language concepts like data types, variables, program control, and functions. This course will introduce the following topics: exceptions, lists, tuples, dictionaries, string operations, sets, classes, and Object-Oriented Programming. Upon completion of the course, students will be able to understand how to create, modify, and maintain Python programs to provide software-based solutions.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 102A****Web Development with HTML, CSS, JavaScript, Part 1**

4 Semester Credits

**Description**

This course provides an introduction to the fundamentals of two of the most widely adopted web-interface technologies in the world today: HTML and CSS. Topics explored include HTML structure, syntax, and usage, CSS styling and layout, and website design. Upon completion of the course students will be able to understand how modern websites are built, as well as be able to write their own, and add functionality as found throughout the Internet. Upon completing this course, the students will utilize simple web-styles with CSS, HTML syntax that every web developer should have.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 102B****Web Development with HTML, CSS, JavaScript and jQuery, Part 2**

4 Semester Credits

**Description**

This course covers client-side scripting, using JavaScript and jQuery, the classic JavaScript library. The students will learn jQuery skills, including creating slide shows, image swaps, carousels, accordions, and forms. The students will add to their JavaScript skills as they work with date and time objects, exceptions and regular expressions, browser objects, web storage, arrays, maps, and your own objects. In addition, the following concepts will be covered the module pattern of JavaScript, and ES modules, using Ajax with the Fetch API and Promise objects; and be able to get started with server-side scripting using JavaScript and Node.js.

Upon completing this course, the students will master the JavaScript and jQuery skills that every web developer should have.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Students must be familiar with HTML and CSS syntax in the web-applications.

**ASD 103A****Object-Orientated Data Structures Using Python, Part 1**

4 Semester Credits

**Description**

This course introduces students to intermediate concepts in programming and computer science topics. The focus of the course will be primarily Python programming using an IDE. Students build on previously solidified knowledge and gain leverage for better understanding of advanced computer science studies. Python concepts like classes, objects, constructors, inheritance, and polymorphism will be presented. Upon completion of the course students will be able to understand how to create, modify, and maintain Python programs to provide Object-Oriented Design with an emphasis on problem-solving, theory, and software engineering principles.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 103B****Object-Orientated Data Structures Using Python, Part 2**

4 Semester Credits

**Description**

This course introduces students to intermediate concepts in programming and computer science topics. Students build on previously solidified knowledge and gain leverage for better understanding of advanced computer science studies. Python concepts like queue, linked list, list, trees, graph, set and dictionary will be presented. Upon completion of the course students will be able to understand how to create, modify, and maintain Python programs to provide Object-Oriented Design with an emphasis on problem-solving, theory, and software engineering principles.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 104A****Web Application Development with PHP and MySQL, Part 1**

4 Semester Credits

**Description**

This course introduces students to web development and dynamic concepts in building custom applications that implement the MVC pattern. The primary focus is on PHP and MySQL, two of today's most popular open-source tools for server-side web programming. The student will learn to build and design relational databases and MySQL syntax. Upon completion of the course, students will be able to understand how to use PHP syntax and develop, modify, and maintain PHP applications to provide solutions and apply MVC patterns.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing. Prior basic HTML coding experience is highly preferred.

**ASD 104B****Web Application Development with PHP and MySQL, Part 2**

4 Semester Credits

**Description**

This course offers content on developing web pages using user-defined functions, cookies, sessions, arrays, and Object-Oriented Design with an emphasis on software engineering principles and how to build dynamic database-driven websites with PHP and MySQL and take software development skills to the professional level. Upon completing this course, the students will master the PHP and MySQL skills every web developer should have.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing. Prior basic HTML coding experience is highly preferred.

**ASD 105****Linux Operating System Administration and Shell Scripting**

4 Semester Credits

**Description**

This course focuses on the Linux operating system. It covers such topics and skills such as overview of Linux, features, troubleshooting tools and tips, installation, editions, and settings. In addition, the students will learn about Shell Scripting for common technical tasks.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 106****Windows Development Administration** 4 Semester Credits**Description**

This course focuses on the Windows operating system. It covers such topics and skills such as Overview of Windows, features and editions, troubleshooting tools and tips, installation and upgrade process, editions, and settings. In addition, the students will learn about PowerShell language for common technical tasks.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 107A****Foundation of Software Engineering, Part 1**

4 Semester Credits

**Description**

This course introduces the basics of Software Engineering and how to select the most appropriate development process model. This course content will cover choosing the most appropriate development methodology/model and understanding and applying the Unified Process Model. As well as learn about the human aspects of software engineering (e.g., team concerns/issues), gather software requirements, and create project documentation. Upon completing the course, the student will organize the basics of managing a project's development lifecycle application of UML. In addition, students will have an opportunity to work in a team to design and implement a software application while enhancing their software development skills. After this course, they will create a custom application for their portfolio. Upon completion of this course the student will be able to organize the basics of organizing a projects development lifecycle, application of UML.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

**ASD 107B****Foundation of Software Engineering, Part 2**

4 Semester Credits

**Description**

This course introduces the basics of Software Engineering related to project planning and estimation, requirements analysis, program design, construction, testing, maintenance and implementation, and software quality. Upon completion of the course the students will be able to enhance their software engineering and programming style, by applying

periodic reviews, documentation, thorough testing, and ease of maintenance. In addition, students will have an opportunity to work in a team to design and implement a software application while enhancing their software development skills and completion of this course student will be able to create a custom application for their portfolio.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

## ASD 150

### Operating System Concepts

4 Semester Credits

**Description**

This course provides a thorough guided exploration of both the theoretical and practical ideas involved in the production of modern operating systems. Operating system concepts like computer system organization and architecture, system calls, process management, threads, scheduling, file systems, system I/O, and distributed systems will be presented. Upon completion of the course students will be in a position to understand how the programs they write influence and likewise are influenced by the entirety of a modern computer system.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

## ASD 170

### Front-End Development with HTML and CSS

4 Semester Credits

**Description**

This course provides an introduction to the fundamentals of two of the most widely adopted technologies in the world today: HTML and CSS. Topics explored include HTML structure, syntax, and usage, CSS styling and layout, and website design. Upon completion of the course students will be able to understand how modern websites are built, as well as be able to write their own, and add functionality as found throughout the Internet.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

## ASD 190

### Internet Architecture with PHP and other OSS

4 Semester Credits

**Description**

This course covers core and advanced skills involved in using PHP and MySQL to design and support dynamic web sites according to established standards. The scope of this course supports today's business needs and

allows students to learn practical skills to create database-enabled web applications. Advanced PHP programming concepts enable web developers to implement and maintain dynamic databases and securely process web forms of various complexity using PHP programming and MySQL database environment. Moreover, the course introduces other popular Open Source Software (OSS) solutions.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Linux, and understand how to download and install programs found on the Internet.

## ASD 210

### Intermediate Python

4 Semester Credits

**Description**

This course introduces core programming basics—including data types, control structures, algorithm development, and program design with functions—via the Python programming language. The course discusses the fundamental principles of Object-Oriented Programming, as well as in-depth data and information processing techniques. Students will problem solve, explore real-world software development challenges, and create practical and contemporary applications using graphical user interfaces, graphics, and network communications.

**Prerequisites:**

Students must have completed ASD190 with a satisfactory grade. This prerequisite is waived for Certificate Program students.

## ASD 215

### C# Business Programming

4 Semester Credits

**Description**

This course introduces students to how to use Visual Studio IDE to develop Windows Forms applications, focusing on the skills for designing forms and entering code. The course covers a professional subset of the C# language, including all the skills for developing substantial applications. That includes working with numbers, strings, and dates; coding control structures, methods, and event handlers; and working with arrays and collections. It also comprises the best techniques for handling exceptions, validating data, and debugging applications. The students will obtain professional skills for creating and using classes, focusing on the classes and methods available from the .NET platform.

**Prerequisites:**

Students must have completed ASD190 with a satisfactory grade. This prerequisite is waived for Certificate Program students.

**ASD 220****Linux Administration and Shell Scripting**

4 Semester Credits

**Description**

This course introduces students to Linux shell scripting. Scripting in the Linux shell is used to automate various repetitive tasks and processes, that system administrators deal with on a daily basis. Often, performing simple tasks, such as file management, can be done more quickly from the command line than from a fancy graphical interface. Students learn basic shell scripting techniques and develop scripting skills needed for Unix/Linux System Administration courses, which also include how to analyze, design, write, test, and debug shell scripts.

**Prerequisites:**

Students must have completed ASD190 with a satisfactory grade.

**ASD 225****Windows Development and Administration**

4 Semester Credits

**Description**

This course introduces students' fundamentals of Windows PowerShell command line interface and scripting language—one step at a time. This is a practical, hands-on course with exercises, timesaving tips, and hands-on sample scripts for performing administrative tasks on both local and remote Windows systems.

**Prerequisites:**

Students must have completed ASD215 with a satisfactory grade.

**ASD 227****iOS Programming**

4 Semester Credits

**Description**

Objective-C and iOS Programming: A Simplified Approach to Developing Apps for the Apple iPhone and iPad provides a basic foundation in the exciting field of iOS app development. With the advent of smartphones, applications have shifted to the mobile platform, promising ease and practicality, and a huge potential for further growth. So, it makes sense for programmers to develop expertise in this area to increase their marketability. As the popularity of Apple devices continues to grow, professionals trained in iOS programming will be especially employable.

**Prerequisites:**

Students must have completed ASD210 with a satisfactory grade.

**ASD 230****Open Source Servers**

4 Semester Credits

**Description**

This course introduces students to open source server technology, setup, configuration scripting, and various customization tasks for server resources and services via administrative tools and scripting.

**Prerequisites:**

Students must have completed ASD220 with a satisfactory grade.

**ASD 235****SQL Server, T-SQL, and PL/SQL**

4 Semester Credits

**Description**

This course provides an in-depth treatment of Microsoft's relational database management system, SQL Server, as well as Microsoft's proprietary flavor of SQL technology, T-SQL and PL/SQL. The course material builds upon prior coursework with SQL, and explores topics including T-SQL queries, query tuning, multi-table queries, grouping, pivots, and recursive queries. Upon completion of the course students will be confident performing detailed and complex SQL and RDBMS operations in a Microsoft environment.

**Prerequisites:**

Students must have completed ASD225 with a satisfactory grade.

**ASD 247****Android App Development**

4 Semester Credits

**Description**

This course introduces students to concepts in Android programming including GUI design and layout, actions, views, and other concepts central to Android apps. Students build upon the foundations provided in previous courses, developing their understanding of Android specific technologies including fragments, toasts, the asset manager, and array adapters. Upon completion of the course students will be able to understand how to create and modify production-quality Android apps.

**Prerequisites:**

Students must have completed ASD190 with a satisfactory grade. This prerequisite is waived for Certificate Program students.

**ASD 255****Web Development with ASP.NET**

4 Semester Credits

**Description**

This course provides an introduction to Microsoft's web development technology, ASP.NET MVC. The course material focuses on MVC patterns, including models, views, and controllers, as well as navigation, URL routing, actions, and validation. Other topics include MVC website



management, administration, and security. A thorough understanding of C# and the .NET framework is foundational and required for the acquisition of these more applied concepts. Upon completion of the course students will be able to plan and construct an entire ASP.NET MVC website

**Prerequisites:**

Students must have completed ASD235 with a satisfactory grade.

## ASD 261

### Application Security

4 Semester Credits

**Description**

This class will teach students the concepts and techniques that enable modern web application security to maintain high performance and provide offensive and defensive security concepts that software engineers must know. Upon completing the course, students will be ready to develop mitigations for their web applications to protect against hackers and apply secure coding best practices into the application development lifecycle.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing, can write, and understand, applications that make use of both server-side and client-side code, and communicate between the two over HTTP. Students must be familiar with at least one popular database (MySQL).

## ASD 262

### Java Programming

4 Semester Credits

**Description**

Students will begin by mastering the fundamentals of Java programming, including coding, variables, control structures, and handling arithmetic operations. They'll then progress to advanced topics like coding methods, exception handling, testing, debugging, and working with classes, objects, arrays, and file input/output. The course culminates in an exploration of object-oriented programming, emphasizing inheritance and polymorphism, empowering students to design and create complex Java applications.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with the basics of JavaScript, CSS and HTML syntax.

## ASD 263

### SQL and Database Management

4 Semester Credits

**Description**

This course empowers students with essential SQL skills and the ability to design and manage relational databases. Beginning with an introduction to SQL and client/server systems, the course covers data retrieval, updates, and advanced SQL skills, including working with views, scripts, stored procedures, functions, and triggers. It equips students with the knowledge and practical skills needed for effective SQL database management and efficient database design.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Students must be familiar with the basics of JavaScript, and JQuery syntax.

## ASD 264

### Cloud Applications and Computing

4 Semester Credits

**Description**

This course covers amazon Web Services (AWS), the most popular and widely used cloud platform, which will help the solutions run at scale. Then, the students will gradually get acquainted with AWS's key concepts and the trade-offs and ideas behind efficient cloud applications. This course also covers cloud service models within highly scalable and secure applications on the AWS platform, S3 storage, RDS, and EC2, building real-time serverless environments. Upon completing this course, the students will be well-versed in the various services that AWS provides and will be able to leverage AWS infrastructure to accelerate the development process.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Students must be familiar with the basics of any programming language.

## ASD 265

### Cloud Computing with Microsoft Azure

4 Semester Credits

**Description**

This course introduces students to cloud hosting and services from the perspective of Microsoft Azure. This course is unique in that we step away from programming and focus on these technologies more from an IT perspective. Students will learn about configuration and management of Azure, web hosting, SQL in the cloud, and monitoring and diagnostics. Upon completion of the course students will be able to host and manage Microsoft Cloud Services.

**Prerequisites:**

Students must have completed ASD235 with a satisfactory grade.

**ASD 267****Virtual Reality**

4 Semester Credits

**Description**

This course introduces students to 2 technology platforms: Unity 3D and Google VR, developing previously established content concerning C# and Android apps. Students develop their understanding of VR topics including 3D space, assets, movement and animation, and interactivity, as well as VR-specific concepts including VR builds, gaze, VR rendering, and world space. Upon completion of the course students will be able to understand how to create and modify production-quality VR apps ready for deployment to online content distribution channels.

**Prerequisites:**

Students must have completed ASD227 with a satisfactory grade.

**ASD 277****Internet of Things**

4 Semester Credits

**Description**

This course introduces students to embedded computer systems and the Internet of Things. Upon completion of the course students will be able to understand how to create small-scale IoT-enabled hardware and software projects which make information available from remote locations.

**Prerequisites:**

Students must have completed ASD210 with a satisfactory grade.

**ASD 280****Django Framework**

4 Semester Credits

**Description**

This course introduces students to the popular Python web framework Django. Students build upon the foundations provided in previous courses, with special attention to Django topics including models, queries, views, forms, templates, tags, filters, testing, documentation, asynchronous programming, security, deployment, Platforms as a Service, continuous integration, and debugging. Upon completion of the course students will be able to understand how to implement full-stack, production-quality Django websites.

**Prerequisites:**

Students must have completed ASD215 with a satisfactory grade.

**ASD 290****Ruby on Rails Framework**

4 Semester Credits

**Description**

This course explores Ruby and Ruby's web development framework, Ruby on Rails. Topics covered include Ruby syntax, variables, control structures, methods, classes, blocks, and DSLs. Additionally, the course focuses on

Ruby on Rails topics, including static pages, layouts, models, authentication, CRUD patterns, accounts and passwords, and deployment. Upon completion of the course students will be able to design and build Ruby on Rails websites for use in production environments.

**Prerequisites:**

Students must have completed ASD230 with a satisfactory grade.

**ASD 295****Augmented Reality**

4 Semester Credits

**Description**

This course introduces students to the emergent world of Augmented Reality, using Microsoft's HoloLens. Students build upon all previous course content, specifically content involving C#, Windows development, and Unity, to develop their understanding of holographic computing topics including holographic objects, spatial mapping, spatial sound, gaze, gestures, and voice control. Upon completion of the course students will be able to understand how to create and modify Microsoft HoloLens augmented reality apps.

**Prerequisites:**

Students must have completed ASD277 OR ASD265 with a satisfactory grade.

**ADM 300A****Business Programing C#, Part 1**

4 Semester Credits

**Description**

This course introduces students to using Visual Studio IDE to develop Windows Forms applications, focusing on the skills for designing forms and entering code. The course covers a professional subset of the C# language, including all the skills for developing substantial applications. That includes working with numbers, strings, and dates; coding control structures, methods, and event handlers; and working with arrays and collections. It also comprises the best techniques for handling exceptions, validating data, and debugging applications. The students will obtain professional skills for creating and using classes, focusing on the classes and methods available from the .NET platform.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Having a prior coding experience with any programming language along with databases is required.

## ADM 300B

### Business Programing C#, Part 2

4 Semester Credits

#### Description

This course is a professional subset of the C# language, including all the skills for developing substantial applications. That includes working with LINQ, database programming, entity framework, ADO.NET, DataGridView control methods, and event handlers, and working with arrays and collections. Upon completing this course, the students will obtain professional skills for creating database-driven webpages from the .NET platform.

#### Prerequisites:

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Prerequisite ADM300A.

## ADM 301A

### Application Development with ASP.NET Core, Part 1

4 Semester Credits

#### Description

This course is focused on a professional subset of ASP.NET Core MVC, including the skills for developing database-driven web applications. That includes using MVC, endpoint routing, Razor views, model binding, and data transfer from controllers, sessions, and cookies. Upon completing this course, the students will use Visual Studio to design, code, and test multi-page ASP.NET Core apps, use the MVC pattern to work with a database, and use Bootstrap to make the apps look great on all screen sizes.

#### Prerequisites:

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with basic syntax of C# programming language, procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

## ADM 301B

### Application Development with ASP.NET Core, Part 2

4 Semester Credits

#### Description

This course is part two of the ASP.NET Core MVC framework content, focused on web skills for developing database-driven web applications. That includes model binding, data validation, dependency injection, Bootstrap for responsive design, EF Core to work with databases, xUnit and Moq for unit testing, and Identity for authentication. Upon completing this course, the students will obtain web development skills to the next level in the ASP.NET Core MVC.

#### Prerequisites:

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be

familiar with basic syntax of C# programming language, procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

## ADM 302A

### Software Design, Part 1

4 Semester Credits

#### Description

This course centers on software design techniques to advance complex software systems. The students will learn object-oriented analysis and design (OOA/D) through three iterations of two cohesive, start-to-finish case studies. Upon completing this course, the students will apply OOA/D through case studies demonstrating fundamental OO principles and patterns while using the UML in their web applications.

#### Prerequisites:

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Students must be familiar with Foundations of Software Engineering and creation of custom applications.

## ADM 302B

### Software Design, Part 2

4 Semester Credits

#### Description

The course will continue to discover how to design a layered architecture and relate the graphical user interface layer to the domain and technical services layers. Learning to apply design patterns, including the popular software development patterns, and using practices will accelerate your mastery of analysis and design. Upon completing this course, the students will understand software processes and concepts and design a solid solution using objects.

#### Prerequisites:

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Students must be familiar with Foundations of Software Engineering and creation of custom applications.

## Business Data Analytics

### BDA 101A

#### Data Fundamentals, Part 1

4 Semester Credits

#### Description

This course represents the 1st half in a two-part class for the CompTIA Data+ (Exam DA0-001) certification examination. Course materials will prepare the learner to pass the CompTIA Data+ (Exam DA0-001) certification examination and is a significant part of student preparation. The course prepares individuals with demonstrable skills. The information and activities in this course can help learners build a data skill set so they can confidently perform duties in any entry-level data analysis role.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**BDA 101B****Data Fundamentals, Part 2**

4 Semester Credits

**Description**

This course represents the 2nd half in a two-part class for the CompTIA Data+ (Exam DAO-001) certification examination. Course materials will prepare the learner to pass the CompTIA Data+ (Exam DAO-001) certification examination and is a significant part of student preparation. The course prepares individuals with demonstrable skills. The information and activities in this course can help learners build a data skill set so they can confidently perform duties in any entry-level data analysis role.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**BDA 102A****Introduction to Database, Part 1**

4 Semester Credits

**Description**

This course introduces students to relational databases and Structured Query Language (SQL). The focus of the course will be database design concepts. Students acquire foundational understanding of databases, how they are structured, and how transactions are performed on database. SQL language concepts concerning creating, reading, updating, and deleting data will be presented. Additional topics introduced include data types, tables, keys, relationships, functions, indexes, views, stored procedures, and optimization and replication. Upon completion of the course students will be able to understand how to create, modify, and maintain databases.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**BDA 102B****Introduction to Database, Part 2**

4 Semester Credits

**Description**

This course represents the 2nd half of introducing students to relational databases and Structured Query Language (SQL). The focus of the course will be primarily SQL using MySQL and MySQL Workbench. Students acquire foundational understanding of databases, how they are structured, and how transactions are performed on database. SQL language concepts concerning creating, reading, updating, and deleting data will be presented. Additional topics introduced include data types, tables, keys, relationships, functions, indexes, views, stored procedures, and optimization and replication. Upon completion of the course students

will be able to understand how to create, modify, and maintain SQL databases to provide in-depth software-based solutions.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**BDA 103A****Introduction to Data Visualization, Part 1**

4 Semester Credits

**Description**

This course represents the 1st half in a two-part class for the introduction data visualization techniques. Students will be exposed to different forms of analytics and how to select the appropriate tool and graphing technique to fit the data. The learner will practice reviewing a data set, identifying the overall message, and then selecting an appropriate Key Performance Indicator (KPI) to enable insight from the data.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**BDA 103B****Introduction to Data Visualization, Part 2**

4 Semester Credits

**Description**

This course continues from BDA 103A with a comprehensive introduction to the intriguing world of data visualization. The course primarily focuses on the concepts and techniques essential for transforming raw data into insightful visual narratives. Students will gain foundational understanding of the different types of data, how to choose the most appropriate charts and graphs to represent them, and the tools and techniques used to create these visualizations.

The exploration starts with the basics of analytics and data visualization, and then ventures into the principles of design and color theory that can enhance the clarity and impact of visual presentations. We delve into pre-attentive attributes, Gestalt principles, and decluttering techniques that make visualizations more effective and easier to interpret.

As we progress, we explore how to utilize color effectively to heighten visual impact and improve interpretability. We also delve into advanced techniques to visualize variability and uncertainty in data, drawing on statistical measures and specialized charts.

At the end of the course, students will not only be able to create striking and effective data visualizations but also appreciate the importance of design decisions in conveying clear, persuasive data stories. They will have the knowledge and skills to avoid common pitfalls in visualization design and to choose appropriate visualizations for various types of data and analytical goals.

**BDA 104****Introduction to Tableau**

4 Semester Credits

**Description**

This course teaches the skills necessary to prepare you for the Tableau Desktop certification. Students will develop the skills necessary to be a Jedi in Tableau collecting data from various sources and building charts using tabulated and geographic data. In this course, learners will collect data from different sources, extract, transform, and load (ETL) data, learn about data models, create dashboards and reports inside Tableau.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**BDA 105****Introduction to Power BI**

4 Semester Credits

**Description**

This course continues developing skills within PowerBI. This course will prepare the learner for the Exam PL-300: Microsoft Power BI Data Analyst certification, focusing on using Microsoft Power BI for data analysis. In this course, learners will collect data from different sources, extract, transform, and load (ETL) data, learn about data models, create dashboards and reports inside of Microsoft Power BI.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing. Prior basic HTML coding experience is highly preferred.

**BDA 106A****Project Fundamentals, Part 1**

4 Semester Credits

**Description**

This is the 1st part of a two-part course. Students will learn and prepare for general IT project management and prepare for the CompTIA Project+ which is ideal for IT professionals who need to manage smaller, less complex projects as part of their other job duties but still have foundational project management skills. Project+ is versatile because it covers essential project management concepts beyond the scope of just one methodology or framework. Lessons will focus on project management of IT projects with a focus on data building challenges.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**BDA 106B****Project Fundamentals, Part 2**

4 Semester Credits

**Description**

This is the 2nd part of a two-part course. Students will learn and prepare for general IT project management and prepare for the CompTIA Project+ which is ideal for IT professionals who need to manage smaller, less complex projects as part of their other job duties but still have foundational project management skills. Project+ is versatile because it covers essential project management concepts beyond the scope of just one methodology or framework. Lessons will focus on project management of IT projects with a focus on data building challenges.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet.

**MAP 300A****Mobile Android Kotlin, Part 1**

4 Semester Credits

**Description**

In this course, the students will learn the syntax of Kotlin programming language, and the best practices needed to start building Android apps. The student will be introduced to Kotlin's modern approach to object-oriented programming (OOP) and get ready to implement Android apps. Upon completing the course, students can understand functions, variables, and class implementation and its application mechanisms in Kotlin.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

**MAP 300B****Mobile Android Kotlin, Part 2**

4 Semester Credits

**Description**

In this course, the students will continue learning the advanced techniques of building Android apps with the Kotlin programming language. The study also covers GUI design and layout, actions, views, and other concepts central to Android. The students will create and use activities and fragments in Android and understand their lifecycles, use views to create your app's user interface (UI) following Material Design guidelines. Students build upon the foundations in the previous Kotlin course, developing their understanding of Android-specific technologies, including view, fragments, toasts, the asset manager, and mapping data. Upon completion of the course, the students will be able to implement Android apps.



**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

**MAP 302A****Mobile App Testing and Quality Assurance, Part 1**

4 Semester Credits

**Description**

This course covers mobile app testing and quality assurance. Students will learn about portable test planning to automation, as well as testing while ensuring comprehensive coverage. Upon completing this course, the students will create tests that reflect future customers' needs and business models.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

**MAP 302B****Mobile App Testing and Quality Assurance, Part 2**

4 Semester Credits

**Description**

This course will continue with mobile application techniques. The student will also develop a custom app and select and implement the best testing tools. Discover both functional and nonfunctional approaches to testing. Address mobile's rapid release cycles. Upon completing this course, the students can create a custom app and apply testing strategies learned in this course.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

**MAP 303A****iOS Programming, Part 1**

4 Semester Credits

**Description**

This course centers on mobile applications and software design techniques for the Apple iPhone and iPad. It provides a foundation in the exciting field of iOS app development. With the advent of smartphones, applications have shifted to the mobile platform, with good ease and practicality and tremendous potential for further growth. The students

will learn the best practices for maintaining iOS apps after course completion.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

**MAP 303B****iOS Programming, Part 2**

4 Semester Credits

**Description**

The course will continue to discover how to design mobile apps for the Apple iPhone and iPad. With the advent of smartphones, applications have shifted to the mobile platform, with good ease and practicality and vast potential for further growth. The students will develop mobile app expertise upon completing this course to increase their marketability.

**Prerequisites:**

Students must have experience using a keyboard and mouse in a GUI-based OS such as Microsoft Windows or Macintosh and understand how to download and install programs found on the Internet. Student must be familiar with principles of procedural programming, software development and debugging techniques, control structures, data types, functions, arrays, and file processing.

**ADM 400****Senior Project**

4 Semester Credits

**Description**

This course will culminate in applying classroom knowledge and skills in computer-based technologies to solve real-world problems and develop research and project management skills. Students will be provided with a scenario based on a company's needs, create a Plan of Action (POA) and describe this POA in writing and a report.

**Prerequisites:**

Successful completion of the following courses:

- ADM300A – Business Programming C# Part 1
- ADM300B – Business Programming C# Part 2
- ADM301A – Application Development with ASP.Net Core Part 1
- ADM301B – Application Development with ASP.Net Core Part 2
- ADM302A – Software Design Part 1
- ADM302B – Software Design Part 2

## Office Productivity

### BUS 101

#### Word Processing Fundamentals

3 Semester Credits

##### Course Description

This course shows you how to create documents using templates; customize your document using themes, page layouts, and tables; add images and multimedia to your document; work with document revisions; and protect and finalize your document. Covered topics include:

- Navigate Basic Microsoft Office
- Create Documents
- Use the Clipboard
- Modify Fonts
- Format Paragraphs
- Format Pages
- Edit Documents
- Insert Illustrations
- Create and Format Tables
- Use Themes, Styles, and Templates
- Manage References
- Manage Headers, Footers, and Sections
- Use Office Collaboration Feature
- Use Macros

##### Prerequisites:

There are no required prerequisites for this course.

##### Certification:

This course prepares the student to successfully attain the Microsoft Office Specialist, Word certification by successfully passing the Microsoft Word certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this licensing exam.

### BUS 102

#### Spreadsheets Fundamentals

3 Semester Credits

##### Course Description

In this course you will gain a fundamental understanding of the Excel environment and the ability to complete tasks independently. You will learn the correct application of the principal features of Excel. You will learn to create and edit a workbook with multiple sheets for a variety of purposes and situations. Examples include professional-looking budgets, team performance charts, sales invoices, and exercise logs. Covered topics include:

- Get Started with Office
- Custom Views and Options
- Introduction to Excel
- Create and Manage Workbooks
- Organize and Enter Data
- Change Properties and Print Worksheets

- Format Cells
- Enter Simple Formulas
- Use Advanced Functions
- Display Data in Charts
- Organize Data in Tables
- Summarize Complex Data

##### Prerequisites:

There are no required prerequisites for this course.

##### Certification:

This course prepares the student to successfully attain the Microsoft Office Specialist, Excel certification by successfully passing the Microsoft Excel certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this licensing exam.

### BUS 103

#### Presentation Applications

3 Semester Credits

##### Course Description

This course guides students through typical PowerPoint use and shows them how to get the most out of PowerPoint features to work effectively and efficiently with templates, themes, and styles. Covered topics include:

1. Get started with Office
2. Work with objects
3. Be introduced to PowerPoint
4. Create and manage presentations
5. Format textual content
6. Design slides
7. Use the Slide Master
8. Format SmartArt and shapes
9. Format tables and charts
10. Format pictures and other media
11. Apply animations and transitions
12. Deliver presentations

##### Prerequisites:

There are no required prerequisites for this course.

##### Certification:

This course prepares the student to successfully attain the Microsoft Office Specialist, Power Point certification by successfully passing the Microsoft Power Point certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this licensing exam.

**BUS 104****Database Management**

3 Semester Credits

**Description**

This course guides students through two scenarios for creating databases. Initially you will create a very simple, standardized database from a template and then go on to create a customized database. Upon completion of the course, you will understand tables, relationships, queries, forms, and reports. Covered topics include:

1. Discuss Computer Hardware
2. Describe System Software
3. Demonstrate knowledge of how MS Office basics
4. Discuss and understand features of MS Access
5. Define Databases management
6. Discuss and apply File Management
7. Design and Create Tables
8. Discuss Application Software
9. Use Simple Queriers
10. Understand and implement Networking and User Accounts
11. Create and apply Forms
12. Work with Databases
13. Create and apply Reports
14. Discuss and apply Computer Programming concepts and features
15. Understand Information Systems
16. Discuss Advanced Access Features

**Prerequisites:**

There are no required prerequisites for this course.

**Certification:**

This course prepares the student to successfully attain the Microsoft Office Specialist, Access certification by successfully passing the Microsoft Access certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this licensing exam.

**BUS 105****Business and Email Management**

3 Semester Credits

**Description**

This course shows you how to customize the Outlook user interface, send and respond to emails and meeting requests, manage the calendar, schedule meetings and appointments, organize contacts, create and modify tasks, and use notes. Covered topics include:

- Computer Systems and the Internet
- The Windows Operating System
- File Management
- Networking and System Updates
- Computer Hardware

- Printing from Office Applications
- Getting Started with Office
- Introduction to Outlook
- Sending and Receiving Messages
- Managing Messages
- Working with the Calendar
- Managing Contacts and Group

**Prerequisites:**

There are no required prerequisites for this course.

**Certification:**

This course prepares the student to successfully attain the Microsoft Office Specialist, Outlook certification by successfully passing the Microsoft Outlook certification exam. Taking this exam is optional and may involve extra cost to the student. Successful completion of the course does not require the student to attempt and/or pass this licensing exam.

**General Education Courses****ENG 200****Technical Writing**

3 Semester Credits

**Course Description:**

Provides guided practice in the technological communication process through use of channels, tools, and team projects. Develops and understands strategies for multicultural and ethical workplace communications. Expands knowledge of the implementation of technological tools and on social media's impact on technology.

**Prerequisites:**

There are no prerequisites for this course.

**ENG 201****Literature and the Art of the Narrative**

3 Semester Credits

**Course Description:**

This course explores the ways in which writers use different media to tell stories and relate cultural and universal experiences to readers. Media represented in this course include a short story, a graphic novel, a television series, a film, a video game, and a novel. The course provides guided practice in analyzing and discussing narrative techniques through collaborative authorship, peer review, blogging, and out-of-class written projects.

**Prerequisites:**

There are no prerequisites for this course.

**ENG 210****Public Speaking**

3 Semester Credits

**Course Description:**

Provides guided practice in public speaking and metacognitive skills development. Develops capabilities in speech resource material organization, outlining, presenting, and using tools effectively to reach the audience. Gains experience in public speaking.

**Prerequisites:**

ENG200 or equivalent transferred course.

**MTH 105****College Algebra**

3 Semester Credits

**Course Description:**

Mathematics is based on rules and logic and this course will help students achieve their goal of higher education by improving their algebraic skills and critical thinking. Topics include basic concepts of Algebra, polynomials, linear equations, quadratic equations, and functions.

Activities will include solving problems and using appropriate technological tools.

**MTH 140****Statistics**

60 hours; 4 Semester Credits

**Course Description:** This course will include, but is not limited to, the following concepts:

1. Histograms
2. Average and Standard Deviation
3. Normal Approximation for Data
4. Correlation
5. Regression

Activities will include solving problems and using appropriate technological tools.

**Prerequisites:**

MTH105 or equivalent prior course.

**MTH 201****Pre-Calculus**

60 hours; 4 Semester Credits

**Course Description:** This course prepares you to take advanced courses in Calculus. Topics include concepts of Euclidean Geometry involving points, lines, circles, and quadrilaterals. This course will also focus on the study of angles, trigonometry of angles and the practical applications of the laws of sines and cosines.

**Prerequisites:**

MTH105 or equivalent prior course.

**MTH 205****Calculus 1**

60 hours; 4 Semester Credits

**Course Description:** The design of this course is to develop the subject of differential calculus. Topics include functions, limits, derivatives, and differentiation rules.

**Prerequisites:**

MTH105: College Algebra, MTH201: Pre-calculus or equivalent prior course.

**MTH 210****Calculus 2**

60 hours; 4 Semester Credits

**Course Description:** Calculus-2 is a continuation of Calculus-1, covering applications of derivatives. Topics will also include antiderivatives and definite integrals.

**Prerequisites:**

MTH205 or equivalent prior course.

**AHS 305****Technology, Society, and Culture**

3 Semester Credits

**Course Description:**

Provides guided practice in examining concepts of the history of technology, science, and technology studies (STS) and development of technology with its impacts on gender, community, society, globalization, and interpersonal communication. Develops awareness of design, innovation, and labor in technical contexts. Concepts and theories in technology are brought to life.

**AHS 310****Professional Practice in Ethics**

3 Semester Credits

**Course Description:**

Information Technology ethics overview including users, workers, organizations, and society. The impacts of social media, Internet lawsuits, and security on Information Technology organizations and society.

**SCI 110****Physics**

3 Semester Credits

**Course Description:**

This course introduces the student to classical and modern principles of Physics, from Mechanics and Thermodynamics to Sound, Electricity, Magnetism, Optics and Atomic physics. The students will gain a deeper understanding of the physical concepts of the world around them and are motivated and encouraged to learn of current and emerging practical applications based on the theories introduced in this course.

**SCI 120****General Biology**

3 Semester Credits

**Course Description:**

An introduction to the major concepts of biology with emphasis on its relevance to current problems in the world. The course stresses the scientific process, genetics, heredity, cellular structure, cellular chemistry, evolution, reproduction, ecology, behavior, and diversity of plants and animals.

**SCI 130****Principles of Chemistry**

3 Semester Credits

**Course Description:**

This course is designed for general education purposes and for students in programs that require a chemistry background. Topics include metric and English conversions, atomic theory, solution preparation and their properties, chemical reactions, inorganic chemical nomenclature, bonding, periodic table, mass relationships and acid/base theory.

**SBS 110****Introduction to Psychology**

3 Semester Credits

**Course Description:**

This course provides an overview of psychology, including the origins of psychology, research methods, lifespan development, sensation and perception, learning and memory, cognition, personality, social processes, and mental illness.

**SBS 120****Sociology**

3 Semester Credits

**Course Description:**

Provides an introduction to the scientific study of human social behavior. Presents the latest data and insights on behaviors, beliefs, issues, and trends on national and global levels from a sociological perspective. Themes covered include diversity, the application of sociology to everyday life, the impact of media, the importance of a global perspective, and social and global change.

**SBS 201****Economics**

3 Semester Credits

**Course Description:**

Provides an overview of economic concepts and an introduction to basic economic analysis, along with its applications and implications. Topics explored include how markets work, market efficiency and market failure, firm and consumer behavior, and policy issues such as taxation and international trade.

**PPD 300****Critical Thinking and Problem Solving**

3 Semester Credits

**Course Description:**

Provides guided practice in the conventions of reasoning, critical thinking, and interpersonal communication. Develops essential skills in understanding of the conceptual framework for arguments and gains awareness of how perspectives are used with the culture, values, and value systems in argumentation. Uses the nature and types of evidence in the processes of collaboration and review used in communication. Expands upon the skills of ethics and responsibility in communication.

**PPD 305****Career and Technology**

2 Semester Credits

**Course Description:**

Provides guided practice in use of technology to develop a social presence, how to gain interviews, and how to establish resumes online. Provides information to acquire current skills in resume and cover letter writing. Develops knowledge of language that demonstrates self-awareness for interview and resume. Strengthens awareness of current job market and organizations hiring for Information Technology.



## ACADEMIC AND ADMINISTRATIVE LISTING

### MANAGEMENT LISTING

#### PRESIDENT

##### Doyle, Jamie – President / CEO

- Certificate – Music Performance, Musicians Institute
- Pilots licenses – PPL, SEL
- Advanced Ground Instructor
- FAA Airframe & Power Plant License-A&P
- FAA Inspection Authorization
- FCC General Radiotelephone Operators License

#### VICE PRESIDENT

##### Barrera, Kirsten – Vice President, Strategy and Analytics

- M.S.Ed. in Learning Design and Technology – Purdue University
- B.A. in Communication, Information Technology in Santa Clara University

##### Park, Claire – Vice President, Compliance

- M.Ed. in College Counseling and Student Development– Point Loma Nazarene University
- B.A. in Human Development and Education Studies – University of California, San Diego
- VA Certifying Official
- Member of Accrediting Council for Continuing Education and Training (ACCET) on-site team evaluator

#### DIRECTORS

##### Bustani, Taban – Director of Student Services

- M.A. in Business Administration – Independence University
- M.A. in Education – National University
- B.A. in Liberal Studies – San Diego State University

##### De Oliveira, Flavio – Director of Human Resource

- B.S. in Psychology – Alliant International University
- Professional in Human Resources (PHR) – HR Certification Institute

##### Jocosing, Sherwin – Director of Admissions

- M.A. in Education – University of Phoenix
- B.A. in Psychology – University of California, Riverside

##### Kingston, Melissa – Dean of Education

- M.Ed. with a concentration in Teaching Learning, and Evaluation – University of Ottawa
- B.A. in Business Administration – Carleton University

##### Lackey, Jill – Director of Career Services

- M.S. in Educational Counseling, Emphasis in Student Affairs - California State University, Bakersfield
- B.A. in Mass Communication, Emphasis in Public Relations - California State University, Bakersfield

##### Qopi, Bashar – Director of IT

- B.S. in Computer Engineering – University of Baghdad
- Certifications: CCNA, CCNP, CCSI, and CWNA

##### Tadeo, Rosa (Ysela) – Director of Financial Aid

- A.A. in Digital Arts – The Art Institute of CA

#### MANAGERS

Knight, Amy – Marketing Manager

Loerop, Jacquelyn – Admissions Manager

Mestler, Vicki – Admissions Manager

Summers, Stephanie – Admissions Manager

### ADMINISTRATION LISTING

#### ACCOUNTING

Castro, Angelica- Accounts Receivable/Payable Clerk

Frye, Brandy - Accounts Receivable/Payable Clerk

Madrigal, Kikey – Junior Accountant

Pick, Madison - Accounts Receivable/Payable Clerk

Roman, Veronica - Accounts Receivable/Payable Clerk

#### ADMISSION

Aguilar, Janet – Admissions Advisor

Allred, Melissa – Admissions Advisor

Ancheta, Rhea – Admissions Advisor

Arjilo, Vianka – Admissions Advisor

Bolanos, Valerie – Admissions Advisor

Daniels, Sammetra – Admissions Advisor

Doan, Vu – Admissions Advisor

Ellis, Krystal – Admissions Advisor

Finney, Brooke – Admissions Advisor

Gomez, Marcelo – Admissions Advisor

Hancock, Joseph – Admissions Advisor

Handy, Mark – Admissions Advisor

Harris, Sasha – Admissions Advisor

Herrera, Monica – Admissions Advisor

King, Jordan – Admissions Advisor

Larson, Ryan – Admissions Advisor

Jerma, Katherine – Admissions Advisor

Matheson, Ian – Admissions Advisor

Ochoa, Leslie – Admissions Advisor

Ortiz, Makayla – Admissions Advisor

Powell, Jerrell – Admissions Advisor

Ritter, Brittan – Admissions Advisor

Rojas, Ana – Admissions Advisor

Rojo, Edmundo – Admissions Advisor

Sippet, Logan – Admissions Advisor

Stephens, Shelsey – Admissions Advisor

Sturdevant, Noah – Admissions Advisor

Tauanuu, Norah – Admissions Advisor

Taylor, Terrance – Admissions Advisor

Thiel, Rachel – Admissions Advisor

Thomason, Becca – Admissions Advisor

Torres, Michael – Admissions Advisor

Vasquez, Elizabeth – Admissions Advisor

Yager, Susan – Admissions Advisor

#### CAREER SERVICES

Camarena, David – Career Services Advisor

Jose, Josie – Career Services Advisor

Servin, Arturo – Career Services Advisor

Young, Sydney – Career Services Advisor

#### COMPLIANCE

Essex-Clark, Shanna – Compliance Coordinator

#### FINANCIAL AID

Ahmed, Mirane – Financial Enrollment Coordinator

Butler, Aerial – Financial Aid Advisor

Faie, Bibi – Financial Aid Advisor

Garcia, Melanie – Financial Aid Advisor

Hadjiconstantis, Stefenia – Financial Aid Advisor

Hancock, Bryana – Financial Aid Advisor

Kaleopa, Arlene – Financial Aid Advisor

Layug, Loving – VA/Financial Aid Coordinator / SCO

Lullian, Jennifer – Sr. Financial Aid Coordinator / SCO

Pak, Katie – Sr. Financial Aid Advisor

Riggert, Bridget – Financial Aid Coordinator / SCO

Rodler, Trina – Financial Aid Coordinator / SCO

Roman, Tony – Financial Aid Coordinator / SCO

#### IT

Doyle, Brennan – IT Support Analyst

Harper, James – Jr. Systems Administrator

Muheim, Jean-Pierre – Systems Administrator

Parker, Quincy – Help Desk Support

Hudgins, Theresa – Data Entry Specialist

#### MARKETING

Doyle, Rylee – Marketing Coordinator

Evans, Kaylee – Marketing Coordinator

Gehan, Ahmed – Business Analyst

Mui, Jason – Content Design Coordinator

Olivas, Gabrielle – Learning & Development Coordinator

Surdevant, Kara – Academic Partnerships Liaison

Voss, Emma – Marketing Coordinator

#### RECORDS

Brancheau, Ed – Registrar

Mikesell, Richard – Education Specialist

#### STUDENT SERVICES

Alexander, Erin - Student Success Advisor

Arce, Candace - Student Success Advisor

Bolton, Cassandra - Records Evaluator

Brancheau, Ed – Registrar

Dunklin, Alayna - Enrollment Coordinator

Eberhart, Donald - Enrollment Coordinator

Galligan, Patrick - Student Success Advisor

Gibson, Amy - Student Success Advisor

Gillis, Kori - Student Success Advisor

Hulbert, Jenny - Student Services Coordinator

Lorin, Christiana - Records Evaluator

Mikesell, Richard - Records Specialist

**Quient, Allison - Records Evaluator**

**Ramirez, Heather - Student Success Advisor**

**Ramirez-Higuera, Marisol - Senior Records Evaluator**

**Solis, Kristen - Student Services Coordinator**

## FULL-TIME FACULTY

**Behboodi, Ashgar – Cisco Instructor / SME**

1. M.S. in Software Engineering – National University
2. B.S. in Business Marketing with minor in Electronics – Northeastern University
3. Certifications: CompTIA A+, CCNA

**Del Rosario, Rick – CompTIA Instructor / SME**

1. M.Ed. – Northcentral University
2. M.S. in IT – Coleman University
3. B.S. in Electronics Engineering – ITT Technical Institute

**Luallin, Brent – Curriculum Developer / Server Instructor/ SME**

- M.S. in Information Systems Management – Coleman College
- B.S. in Computer Electronics Technology – Coleman College
- Certifications: MCSA, MCP and CompTIA Security+

**Reyes, Francis – CompTIA Instructor**

4. M.S. in E-Commerce – National University
5. Certifications: CompTIA Network+

**Rothwell, William “Bo” – Associate Dean of Education**

6. B.S. in Computer Science – El Dorado College
7. Certifications: CompTIA A+, Network+, Linux+, AWS Solutions Architect Associate, AWS SysOps Administrator Associate

**Sanjiv, Rema – General Education Instructor**

8. M.S. in Computer Engineering – San Jose State University
9. B.S. in Electronics and Communication – Kerala, India
10. Teaching Credential in Mathematics – National University

**Toth, Carolyn – General Education / SME**

11. M.S. in Psychology with Specialization in Counseling – Capella University
12. B.S. in Human Services Management – University of Phoenix

## ADJUNCT FACULTY

**Algarin, Antonio - Cybersecurity Adjunct**

- a. Master of Business Administration: University of Maryland Global Campus
- b. Master of Science, Cyber Security: University of Maryland University College
- c. Certifications: CompTIA Security+

**Allison-Aipa, Timothy- Data Analytics Adjunct**

- a. Ph.D. in Organizational Psychology in Organizational Psychology Alliant International University - Los Angeles, CA
- b. Masters in organizational psychology, Alliant International University - Los Angeles, CA

- c. Bachelors in psychology, California State University - Fullerton, CA

**Amaro, Jose– CompTIA Adjunct**

1. M.S in Information Technology (Cybersecurity) - California Lutheran University
2. M.B.A.– California State University, Channel Islands
3. B.A. in, Business Administration - California State University Northridge
4. Certifications: CompTIA ITF+

**Anderson, Natasha – Associate Dean of Education – Software Development**

2. M.S. in Database and Web Programming – Cal State Fullerton

**Ang, Robert - CompTIA Adjunct**

3. B.A. in Business Economics with a Minor in Computer Programming UCLA, Los Angeles, CA
4. Certifications: CompTIA Network+, CompTIA Security+

**Arca, Rommel – CompTIA Adjunct**

3. M.S. in Human Resource Development – Villanova University
4. B.A. in Political Science – MSU
5. AS. In Computer Information Systems-Networking Concentration – California Institute of Arts & Technology
6. Certifications: CompTIA Network+, Security+

**Bassili, John - CompTIA Adjunct**

- a. Bachelor of Science Cybersecurity and Information Assurance, Western Governor’s University, Salt Lake City, Utah
- b. Bachelor of Science Biology Cum Laude, California Polytechnic University, Pomona
- c. Certifications: CompTIA A+

**Brown, Edward – Cybersecurity Adjunct**

- b. M.S Cyber Security
- c. Certifications: CompTIA CASP+ and EC Council Certified Ethical Hacker

**Burnett, Eric – Cybersecurity Adjunct**

- c. M.S in Information Systems – University of Phoenix
- d. Certifications: EC-Council- Certified Ethical Hacker (CEH)

**Casillas, Omar - Cloud Computing Adjunct**

- B.S. in Molecular, Cell, and Developmental Biology - University of California, Los Angeles
- Certifications: Microsoft AZ104

**Castello, Brian – Cybersecurity Adjunct**

- M.S in Aerospace Engineering – California Polytechnic
- B.S. in Electrical Engineering – California Polytechnic
- Certifications: CompTIA Security+, CISSP

**Chapman, Bianca – General Education Adjunct**

- M.A in Creative Writing and Literature – San Diego State University
- M.A in Organizational Leadership – University of the Rockies
- B.A in Theatre Arts and Creative Writing – Dillard University

**Collins, Sean - Cloud Computing Adjunct**

- B.A. in Economics - University of California, Berkeley
- Certifications: AWS Certified Cloud Practitioner, AWS Certified Developer Associate, AWS Certified Solutions Architect Associate

**Copeland, Dane –CompTIA Linux Adjunct**

- B.A in Psychology – University of California, San Diego

**Cox, Bryson - CompTIA Adjunct**

- B.A. in communication - California State University, San Marcos
- Certifications: CompTIA A+, CompTIA Net+,

**Diangson, James - Programming Adjunct**

- B.S. in Business Administration - San Francisco State University

**Dobrin, Laona – General Education Adjunct**

- M.S. in Chemistry – Northern Arizona University
- B.S. in Chemistry – Northern Arizona University

**Duque, Ricardo - Cisco Adjunct**

- B.S. in Electronic Engineer – Universidad Nacional de Colombia
- Certifications: Cisco DevNet Professional, Cisco CCNA, Cisco CCNP

**Erakat, Nasser – CompTIA Adjunct**

- B.S. in Information Technology – University of Phoenix
- Certifications: CompTIA A+, Security+

**Ferrera, Michael - CompTIA Adjunct**

- M.S. in Management Information Systems - Colorado Technical University
- B.S. in Information Technology - Colorado Technical University
- Certifications: CompTIA Network+, CISSP, AWS Cloud Practitioner

**Fooks, Lambert – Cloud Computing Adjunct**

- Ph.D. in Education – Capella University
- M.S. in Instructional Technology (eLearning) – National University
- B.A. in Visual & Performing Arts (Multimedia/Audio/Video) – California State University
- Certifications: Microsoft Azure Administrator Associate

**Grissino, Evan – Programming Adjunct**

- B.S. in Mechanical Engineering - University of New Hampshire Durham, NH

**Hakim, Sadaf - Cloud Computing Adjunct**

- M.S. in Computer Science - Osmania University, Hyderabad/ India
- Certifications: AWS Solutions Architect Associate, AWS Cloud Practitioner, Microsoft Azure Administrator AZ-104, Microsoft Azure Fundamentals AZ-900

**Hamachi, Aaron – Cisco Adjunct**

- M.S Information Security and Assurance – Western Governors University
- B.S Information Technology – Network Design and Management – Western Governors University

- Certifications: Cisco Certified DevNet Associate (DEVNET Associate), Cisco Certified Network Associate (CCNA), Cisco Certified Specialist – Enterprise Core

**Harper, Steed – CompTIA Adjunct**

- M.S. in Information Systems – Coleman University
- B.S. in Digital Entertainment and Game Design – ITT Technical Institute

**Hayes, Jimmy - Cloud Computing Adjunct**

- B.S. in Business Administration – Information & Decision Systems - San Diego State University
- Certifications: AWS Certified Solutions Architect, AWS Certified DevOps Engineer, AWS Certified Security, AWS Certified Database, AWS Certified Data Analytics

**Henmani, Shekhar – Cloud Computing Adjunct**

- M.S. in Computer Science, Networking – University of Texas
- B.S. in Computer Science - Mumbai University
- Certifications: AWS Certified Solution Architect Associate, AWS Certified SysOps Associate, AWS Certified Developer Associate, AWS Certified Advanced Security Specialty, AWS Certified Advanced Network Specialty

**Iqbal, Javeria - Programming Adjunct**

- P.D. in Computer Science – International University of Malaysia

**Itoga, Daisuke - Cloud Computing Adjunct**

- M.B.A - University of California – Berkeley
- Certifications: Google Cloud

**Kelly, Jamarío – Cybersecurity Adjunct**

- M.S. in Computer Information Systems – Bellevue University
- B.S. in Software Development – Bellevue University
- Certifications: CompTIA Security+, CISSP

**Kennedy, Sean – CompTIA Adjunct**

- B.A. in Computer Information Technology – Point Loma Nazarene University
- Certifications: CompTIA A+, Network+, Security+

**Kilgore, Nathan – Programming Adjunct**

- Ph.D. in Information Technology – Capella University

**Lathrop, Joseph - Cloud Computing Adjunct**

- B.A. in Business Administration - University of LaVerne
- Certifications: AWS Database Specialty, AWS Solution Architect Associate, AWS Sysops Administrator Associate

**Lam, Thomas – CompTIA Adjunct**

- B.A.in English – University of California, Riverside
- Certifications: CompTIA A+, CompTIA Network+

**Lopez, Daniel – CompTIA Adjunct**

- M.S. in Management Information Systems – National University
- M.S. in Cybersecurity – National University
- M.B.A – California State University, San Bernardino
- B.S. in Information Technology – University of Phoenix
- Certifications: CompTIA Security+

**Mason, Steven – Cisco Adjunct**

- B.S. in Information Technology – ITT Technical Institute
- Certifications: Cisco CCNA, CompTIA Network+

**Marquez, Carl – CompTIA Adjunct**

- M.S. in Educational Technology – National University
- B.S. in Kinesiology – San Diego State University
- Certifications: CCNA

**Martin, Michael - Cloud Computing Adjunct**

- B.S. in Computer Engineering - University of Massachusetts, Dartmouth
- Certifications: CompTIA Security+ , Microsoft AZ900

**McGregor, Jaina - CompTIA Adjunct**

- M.S. in Leadership Concentration: Leading and Managing Technical Projects - Northeastern University, Boston, Massachusetts
- B.S. in Business Information Systems - Oregon State University, Corvallis, Oregon
- Certifications: CompTIA IT Fundamentals

**McGuire, Chris – Cybersecurity Adjunct**

- B.S. in Computer Science – University of California, San Diego
- Certifications: Certified Information Systems Security Professional (CISSP), EC Council- Certified Ethical Hacker (CEH), CompTIA Security+

**Miller, Natalie – CompTIA Adjunct**

- B.S. in Computer Science – California Polytechnic State University
- Certifications: CompTIA Security+

**Miller, Phil – Cloud Computing Adjunct**

- M.S. in Management Information Systems – National University
- B.S. in Computer Science – San Diego State University
- Certifications: AWS Certified Cloud Practitioner, AWS Solutions Architect- Associate, CompTIA Security+, Certified Information Systems Security Professional (CISSP)

**Miller, Quentin – Programming Adjunct**

- M.A. in Business Administration – University of Phoenix
- B.S. in Operations Management – Remington College
- A.S. in Computer Network Technologies – Remington College

**Morales, Sophia – General Education Adjunct**

- M.F.A. in Creative Writing, Fiction - California State University, Long Beach
- B.A. in English, Creative Writing – California State University, Long Beach

**Mueller, Lance - Cybersecurity Adjunct**

- M.S. in Cyber Security Operations & Leadership, University of San Diego (USD) – San Diego, CA
- B.S. in Cybersecurity & Information Assurance Western Governors University – Millcreek, UT
- Certifications: CompTIA Security+. CISSP

**Mukhopadhyay, Debsankar – Programming Adjunct**

- M.S. in Engineering – University of Kansas

**Newsom, William – Cloud Computing Adjunct**

- B.A. in Government – California State University, Sacramento
- Certifications: AWS Cloud Practitioner, AWS Solutions Architect Associate

**Patino, Luis - CompTIA Adjunct**

- B.S. in Cybersecurity and Information Assurance - Western Governor's University
- Certifications: CompTIA A+, CompTIA Network+, CompTIA Security+

**Pena, Marcelino – Data Analytics Adjunct**

- M.A. in Demographic and Social Analysis – University of California, Irvine
- B.A. in Mathematics – St. Olaf College

**Raffey, Kevin - Cloud Computing Adjunct**

- M.S. in Information Science - Penn State College of Information Sciences and Technology
- B.S. in Management - Pepperdine University
- Certifications: Microsoft AZ900

**Raja, Abdullah, CompTIA Adjunct**

- B.S. in Computer Networks and Cyber Security - University of Maryland Global Campus
- Certifications: CompTIA Network+, CompTIA Security+, Cisco Certified Network Associate (CCNA)

**Rao, Nikhil - Data Analytics Adjunct**

- M.S. in development Practice - University of CA, Berkely
- B.S. in environmental economics and policy - University of CA, Berkely

**Rath, Abhisek – Cloud Computing Adjunct**

- M.B.A – University of California Los Angeles
- Certifications: AWS Certified Cloud Practitioner

**Rey, Louis – Programming Adjunct**

- M.S. in Electrical Engineering – San Diego State University
- B.S. in Electrical Engineering – San Diego State University

**Rippee, Jim - CompTIA Adjunct**

- M.S. in Cybersecurity and Information Assurance - Western Governors University
- B.S. in Information Technology – Security Emphasis. Western Governors University
- Certifications: CompTIA A+ CompTIA Network+

**Rodriguez, Victor – CISCO Adjunct**

- B.S. in Computer Networks and Cybersecurity – University of Maryland
- AAS in Computer Information Systems – Networking – California Institute of Arts and Technology
- Certifications: Cisco CCNA

**Saleh, Ahmed- CompTIA Adjunct**

- M.S. in Computer Science – James Madison University
- Certifications: IT Fundamentals



**Sevilla, Marcelo – General Education Adjunct**

- M.S. in Computational Science (In Progress) – San Diego State University
- B.S. in Mathematics – San Diego State University

**Smith, Brad - CompTIA Adjunct**

- B.A. in Political Science - University of California – Berkeley
- Certifications: CompTIA A+

**Smith, Taylor - Cloud Computing Adjunct**

- M.B.A - University of Redlands
- M.A. in Management - University of Redlands
- B.A. in Economics - University of Minnesota
- Certifications: AWS Certified Cloud Practitioner, AWS Certified Solutions Architect

**Sorush, Seddiq - Programming Adjunct**

- B.S. in Technology (Electronics Engineering) (BTech) - The University of Pune, India

**Terapak, Steve - Cloud Computing Adjunct**

- B.S. in Computer Science - West Virginia University
- Certifications: AWS Cloud Practitioner, Microsoft Azure Administrator

**Terhorst, John - General Education Adjunct**

- M.S. in Chemistry – Yale University

**Torres, Enoc - Cybersecurity Adjunct**

- B.S. in Cyber Security and Information Assurance - Western Governors University
- Certifications: CompTIA Security +, CompTIA Network +

**Velliquette, Randy - Cloud Computing Adjunct**

- M.S. in Cyber Security and Information Assurance, School of Engineering and Computing - National University
- M.S. in International Affairs, School of Global Policy and Strategy - University of California, San Diego
- B.S. in Political Science, cum laude - University of Maryland
- Certifications: AWS Cloud Practitioner, CompTIA Network +, CompTIA Security +

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- M.B.A. – University of Phoenix
- B.S. in Mechanical Engineering – University of Nevada
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- Preliminary Single Subject Teaching Credential in Biological Sciences - University of Redlands

- B.A. in Biology - California State University - San Bernardino

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- B.A. in Music in Trumpet Performance - University of Arizona
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- M.B.A - University of San Diego
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