



TEXAS PREMIER TECHNOLOGY INSTITUTE, INC

TPTI 2022 – 2023 School Catalog

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About Us

Texas Premier Technology Institute, Inc., (TPTI) is a Texas Non-Profit Corporation – Licensed Career School of Texas (S4597) established to prepare students for the burgeoning Information Technology industry.

TPTI's integrated instruction and programs prepare students to excel in the competitive world of technology. Upon completion, TPTI students are also prepared to take exams offered by our partners: Microsoft IT Academy, Cisco Net Academy and CompTIA. TPTI students can work toward a wide range of certifications as they are guided and taught by our certified instructors, all of whom are experienced subject matter experts.

TPTI is equipped with state-of-the-art Technology and Lab equipment. As a supplement to classroom learning we also offer Distant Learning Courses where students can login remotely and attend classes from home, at work or even at play. We call these courses Distance Learning, but in reality, they bring education to you. Texas Premier Technology Institute has Certified Trainers & Professionals who are at the top of their game. We are dedicated to helping our students achieve professional success through hands on, job specific training.

Our training programs are designed to prepare our students for real world scenarios and to land jobs upon completion. Our training programs emphasize experiential, interactive learning activities – that means you will do the job before you take the job. At TPTI we believe your training should teach you what's expected on the job. Discover how our flexible learning options can help you maintain your current lifestyle while continuing to stay abreast of today's ever-changing world of Technology.

Our learning paths:

Distant Learning:

This learning method eliminates the need for traveling to classes, yet it still offers access to live, instructor-led training courses. And since the best way to learn is by doing, you'll have access to virtual hands-on labs. Some of the latest advancements in Technology make this method possible by allowing screen sharing and interactive communications between the instructor and the students. This learning path allows you to earn your training/certification from the comfort of your own home.

Lab Learning:

This learning methodology allows our students to execute what they have learned in the course. It offers the ability to have your own virtualized environment, whereby students get to perform/demonstrate real world exercises. What an experience to be able to standup your own virtualized environment. This is what we mean when we say at TPTI - you will do the job before you take the job.

Each Program encompasses multiple learning paths. These unique learning paths provide Students multiple options of attaining course instruction.

Facility Description

Our Arlington, TX facility provides adequate usable space to support the office needs of our administrative staff. While we are a Distant Learning Institution, our facility provides office space for counseling, recruitment, and enrollment while our conference rooms provide the needed space for group sessions, workshops, and meetings. Ample parking space is provided, and the building is equipped to accommodate disabled individuals. The facility is in compliance with federal, state and local ordinances as well as regulations, including those relating to safety and health.

Hours of Operation

Day

Monday – Friday

8:00am – 5:30pm

Breaks

10:30am – 10:45am

2:50pm – 3:05pm

Lunch

11:50am-12:50pm

Saturday

8:00am – 5:30pm

Breaks

10:30am – 10:45am

2:50pm – 3:05pm

Lunch

11:50am-12:50pm

*Breaks/Lunches may vary upon instructor and class.

School Calendar

Holiday Observance

New Year's Holiday	January 1 st
Martin Luther King Day	January 20 th
Good Friday	April 18 th
Memorial Day	May 26 th
Independence Day	July 4 th
Labor Day	September 1st
Thanksgiving	Wednesday thru Friday November 26-28
Christmas Eve	December 24th
Christmas Day	December 25th
New Year's Eve	December 31st

Enrollment Period

Enrollment for classes is ongoing. Class ranges differ per class.

Schedule

8:30 – 9:30am	Lab
9:30 – 10:30am	Morning Lecture
10:30 – 10:45am	Break
10:45 - 11:40am	Morning Lecture
11:50 – 12:50pm	Lunch
12:50 – 1:50pm	Lab
1:50 – 2:50pm	Lab
2:50 – 3:05pm	Break
3:05 –5:30pm	Lab

Financial

Statement of Financial Obligation

A student who has applied, is accepted, and has begun classes at Texas Premier Technology Institute assumes a definite financial obligation. Each student is responsible for his or her own education expenses for the period of enrollment. A student who is enrolled and has made payments in full or completed other financial arrangements and is current with those obligations, is entitled to all privileges of attending classes, accessing E-Learning portals, Labs, Examinations, and receiving grade reports.

Any student who is delinquent in a financial obligation to the school, or educational financial obligation to any third party, including damage to school property, payment of tuition and fees, is subject to exclusion from any or all the usual privileges of the school. TPTI may in its sole discretion, take disciplinary action on the basis, including suspension or termination of enrollment.

TUITION AND FEES

Tuition and fee information can be found in the “Tuition and Fees” section in this catalog. The Enrollment Agreement obligates the student and the School for the entire program of instruction. Students may make payments by cash or by the following accepted credit cards: Visa, MasterCard, American Express or Discover.

CANCELLATION POLICY

A full refund will be made to any student who cancels the enrollment contract within 72 hours (until midnight of the third day excluding Saturdays, Sundays and legal holidays) after the enrollment contract is signed. A full refund will also be made to any student who cancels enrollment within the student’s first three scheduled class days, except that the school may retain not more than \$100 in any administrative fees charged, as well as items of extra expense that are necessary for the portion of the program attended and stated separately on the enrollment agreement.

CANCELLATION AND REFUNDS FOR PROGRAMS

1. 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.
 2. The effective date of termination for refund purposes will be the earliest of the following:
 - (a) The last day of attendance, if the student is terminated by the school;
 - (b) The date of receipt of written notice from the student; or
 - (c) Ten school days following the last date of attendance.
 3. If tuition and fees are collected in advance of entrance, and if after expiration of the 72-hour cancellation privilege the student does not enter school, not more than \$100 in any administrative fees charged shall be retained by the school for the entire residence program or synchronous distance education course.
 4. If a student enters a residence or synchronous distance education program and withdraws or is otherwise terminated after the cancellation period, the school or college may retain not more than \$100 in any administrative fees charged for the entire program. The minimum refund of the remaining tuition and fees will be the pro rata portion of tuition, fees, and other charges that the number of hours remaining in the portion of the course or program for which the student has been charged after the effective date of termination bears to the total number of hours in the portion of the course or program for which the student has been charged, except that a student may not collect a refund if the student has completed 75 percent or more of the total number of hours in the portion of the program for which the student has been charged on the effective date of termination.¹
 5. Refunds for items of extra expense to the student, such as books, tools, or other supplies are to be handled separately from refund of tuition and other academic fees. The student will not be required to purchase instructional supplies, books and tools until such time as these materials are required. Once these materials are purchased, no refund will be made. For full refunds, the school can withhold costs for these types of items from the refund as long as they were necessary for the portion of the program attended and separately stated in the enrollment agreement. Any such items not required for the portion of the program attended must be included in the refund.
 6. A student who withdraws for a reason unrelated to the student's academic status after the 75 percent completion mark and requests a grade at the time of withdrawal shall be given a grade of "incomplete" and permitted to re-enroll in the course or program during the 12-month period following the date the student withdrew without payment of additional tuition for that portion of the course or program.
 7. A full refund of all tuition and fees is due and refundable in each of the following cases:

An enrollee is not accepted by the school;

If the course of instruction is discontinued by the school and this prevents the student from completing the course; or
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If the student's enrollment was procured as a result of any misrepresentation in advertising, promotional materials of the school, or representations by the owner or representatives of the school.

A full or partial refund may also be due in other circumstances of program deficiencies or violations of requirements for career schools and colleges.

8. REFUND POLICY FOR STUDENTS CALLED TO ACTIVE MILITARY SERVICE.

A student of the school or college who withdraws from the school or college as a result of the student being called to active duty in a military service of the United States or the Texas National Guard may elect one of the following options for each program in which the student is enrolled:

(a) If tuition and fees are collected in advance of the withdrawal, a pro rata refund of any tuition, fees, or other charges paid by the student for the program and a cancellation of any unpaid tuition, fees, or other charges owed by the student for the portion of the program the student does not complete following withdrawal;

(b) A grade of incomplete with the designation "withdrawn-military" for the courses in the program, other than courses for which the student has previously received a grade on the student's transcript, and the right to re-enroll in the program, or a substantially equivalent program if that program is no longer available, not later than the first anniversary of the date the student is discharged from active military duty without payment of additional tuition, fees, or other charges for the program other than any previously unpaid balance of the original tuition, fees, and charges for books for the program; or

(c) The assignment of an appropriate final grade or credit for the courses in the program, but only if the instructor or instructors of the program determine that the student has:

1. satisfactorily completed at least 90 percent of the required coursework for the program; and
 2. Demonstrated sufficient mastery of the program material to receive credit for completing the program.
9. The payment of refunds will be totally completed such that the refund instrument has been negotiated or credited into the proper account(s), within 60 days after the effective date of termination.

ADMISSIONS

REQUIREMENTS

A student may be admitted into Texas Premier Technology Institute, Inc. upon satisfying all of the following requirements:

- A student must be 18 years of age and have completed their Secondary Education (HS Diploma or GED) Students who are 17 years of age must have written consent from Parent or Legal Gaudian before admission can be approved.
 - *In the event the applicant is unable to provide proof of secondary education, applicant must achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)*
- The student must have a consultation with a TPTI Guidance Counselor to evaluate skill/experience levels and identify education and career paths.

- The student must complete and sign the TPTI “Student Enrollment Agreement.” One copy will be retained in the student’s file.
- A payment method must be established and agreed upon by the student and TPTI Admissions.
- The student must be at least 18 years of age and must provide proof of the individual prerequisites listed for the program chosen by providing a current resume to student services prior to enrollment.

CREDIT FOR PREVIOUS EDUCATION

Students who have been officially accepted in our programs may request in writing a transfer of credit in accordance with TPTI’s Transfer of Credit Policy outlined below. It is noted that TPTI does not guarantee transfer credit. Students intending to transfer out of our programs should research the schools they plan to transfer their credits. Completion of a program at TPTI neither implies nor guarantees that educational requirements of another school have been met. For this reason, any student who expects to transfer to another institution is advised to contact the specific department that handles these types of requests.

TPTI will evaluate courses taken from another school or prior vendor certifications. An evaluation must be conducted prior to enrollment.

There’s no fee for requesting a transfer of credit.

The following criteria apply for a transfer of credit into TPTI:

1. Students must currently hold a valid industry certification or be able to pass the related practice exam to be administered at TPTI’s authorized testing center.
2. Students must produce documentation including but not limited to official transcripts, catalog, syllabi, or course outlines for review.
3. Tuition and fees will be adjusted for courses that are accepted.
4. If the request is declined, students may request an appeal in writing within 5 days of receiving notice from TPTI.

Policies

GRADES

Upon successful completion (attending at least 80%) of an instructor-led course, you will receive a Certificate of Completion and a grade from the Instructor. Grades for each course within a program will be averaged to determine your overall grade point average. A grade point average of 2.0 is required for graduation and/or program/course certification.

Grading System

A	4.0	Excellent	90% to 100%
B	3.0	Good	80% to 89%
C	2.0	Satisfactory	79% to 70%
D	1.0	Unsatisfactory	69% to 60%
F	0.0	Failing	0% to 69%
I		Incomplete	

If you fail to complete at least 60% of a course, you will receive an “I” (Incomplete) for that course and will be placed on academic probation for the next course of instruction. You will have one opportunity to repeat and complete the course. If you fail to successfully complete the course the second time you will be removed from the program, and no graduation or certification certificate will be issued.

SATISFACTORY PROGRESS

TPTI will evaluate progress at the end of each grading period. A grading period is six weeks in length. If the student’s cumulative GPA is unsatisfactory at the end of a progress evaluation period, the student will be placed on academic probation for the next progress evaluation period (six weeks). At the end of the next progress evaluation period, TPTI will:

- Initiate a second probationary period if the student has satisfactory progress for the evaluation period but the cumulative GPA remains unsatisfactory.
- Remove the student from academic probation if the cumulative GPA is satisfactory.
- Terminate the enrollment if the student continues to make unsatisfactory progress.

PROGRAMS PROGRESS

(A.) For programs with a course time of 40 hours or less, a final exam will be given at the end of the program to determine whether the student has sufficient knowledge to warrant a certificate of completion, in lieu of a progress evaluation.

(B.) For programs with course times of 41 to 200 hours, the student’s grades will be recorded at the midpoint and end of each progress evaluation period. A student NOT making satisfactory progress at the midpoint shall be placed on academic probation for the remainder of the progress evaluation period. If the student does NOT achieve satisfactory progress by the end of the probationary period, the student’s enrollment shall be terminated. (*Texas Education Code, Sec. 132.055 Title 40 Texas Administrative Code, Sec. 807.175 (a) (11)*)

PROGRESS REPORTS

The student’s final grade for each course or module is determined by the average of the tests, homework, class participation, special assignments and any other criteria indicated in the grading section of the syllabus for the course or module. Final grades are reported at the completion of each grading term and are provided to each student. If mailed, they are sent to the student’s home address.

INCOMPLETE POLICY

Under *TEC, Sec. 132.061 (f)*; a student who is obligated for the full tuition may request a grade of “incomplete” if the student withdraws for an appropriate reason unrelated to the student’s academic status. The policy must allow a student receiving a grade of incomplete to reenroll in the program during the 12-month period following the date the student withdraws and complete those incomplete subjects without payment of additional tuition. (*Texas Education Code, Sec. 132.055 Title 40, TX Admin. Code, Sec. 807.221 (d)*)

ACADEMIC PROBATION

When a student’s overall grade point average falls below 2.0, the student is automatically placed on academic probation for the next course of instruction. If the student is able to achieve a satisfactory **cumulative** GPA by the end of the second probationary period, the student will be removed from academic probation. If the student fails to achieve a satisfactory **cumulative** GPA by the end of the second probationary period, the student must be terminated for one grading period (six weeks). If the student re-

enrolls after termination, they will be on academic probation for the first grading period after re-enrollment. If the cumulative GPA is unsatisfactory after this grading period, the student MUST be terminated again.

MAKE-UP WORK

No more than 5% of the total clock hours for a program may be made up. The student must show good cause for needing to make up the work missed. The school fully understands that circumstances arise that might cause the student to fail to complete assignments (i.e. illness, death in the family, family crisis). Determination will be made on a case by case basis.

The Texas Administrative Code, Title 40, Part 20, Chapter 807, 807.244 states:

Make-up work shall:

1. be supervised by an instructor approved for the subject being made up;
2. require the student to demonstrate substantially the same level of knowledge or competence expected of a student who attended the scheduled class session;
3. be completed within two weeks of the end of the grading period during which the absence occurred;
4. be documented by the school as being completed, recording the date, time, duration of the make-up session, and the name of the supervising instructor and be signed and dated by the student to acknowledge the make-up session.

Graduation and Certification

Students will receive a Certificate of Completion AFTER the successful completion of each course. Students will also receive a certificate after passing vendor certification exams. Our CompTIA, Cisco and Microsoft are exam prep eligible. TPTI DOES NOT grant certification. Certification is only earned by passing vendor exams. Students who successfully complete all courses and pass all related exams in their program will receive a Certificate of Program Completion from TPTI.

ATTENDANCE

The Student Learning Portal at TPTI is the official record of attendance. Students are expected to actively participate in all courses. Each course shall have regularly scheduled academic-related activities that occur throughout each evaluation period of the term. Academic-related activities provide course instructors with specific measures that aid in the assessment of the student's performance and the eventual awarding of a final course grade. Examples of academically related activities are completion of an exam or instructor-graded activity. The attendance policies set standards that are critical to the student academic success. An instructor may consider a student present who does not attend the entire class session if (a) the criteria used to make the determination are stated in the course syllabus and (b) the amount of time missed does NOT exceed 25% of the class session. Distant Learning progress and attendance are monitored and tracked through our online Learning Portal (LMS – LEARNING MANAGEMENT SYSTEM). Each student is provided a unique Username and Password. With these credentials, we can track when students are logged in, how long they've stayed active, the assignments, labs and modules completed. Also, Students can interact with Teachers in real time while also having the ability watch pre-recorded lectures and demonstrations.

ESTABLISHING ATTENDANCE / VERIFYING ENROLLMENT

New students registered for a class shall attend by the second scheduled class session, or be withdrawn

MONITORING STUDENT ATTENDANCE

Instructors shall monitor student based on both consecutive absences and absences as a percentage of the total program hours.

CONSECUTIVE ABSENCE RULE

When a student is absent from for (5) consecutive calendar days excluding holidays and scheduled breaks, the instructors shall notify the Director of Education. The consecutive absence rule is applied to days missed in the total program.

PERCENTAGE ABSENCE RULE

Percentage	Action Taken
15% of the total classroom hours missed	Attendance warning letter sent
25% of the total classroom hours missed	Withdrawn from the program/class

Any student who is withdrawn due to unsatisfactory attendance and/or whose enrollments are terminated for violation of the attendance policy may not reenter before the start of the next grading period.

LEAVE OF ABSENCE POLICY

TPTI permits students to request a leave of absence (LOA) as long as there are documented, legitimate extenuating circumstances that require the students to interrupt their education. In order for a student to be granted an LOA, the student must submit a completed, signed and dated Leave of Absence Request by the 10th calendar day of the leave to the Director of Education.

RE-ADMISSION FOLLOWING A LEAVE OF ABSENCE

Upon return from leave, the student will be required to repeat the Program, if it had been interrupted, and receive final grades. The student will not be charged any fee for the repeat of any program from which the student took leave or for re-entry from the leave of absence. The date the student returns to class is normally scheduled for the beginning of a program. When a student is enrolled in a program, the student may return to any appropriate program, not only the program from which the student withdrew.

EXTENSION OF LOA

A student on an approved LOA may submit a request to extend the LOA without returning to class. Such a request may be approved by the Director of Education provided:

- (a) The student submits a completed LOA Extension Request before the end date of the current leave.
- (b) There is a reasonable expectation the student WILL return.
- (c) Appropriate courses required for completion of the program will be available to the student on the Date of return.

If the extension request is approved, the end date of the student’s current leave will be changed in the official student information system to reflect the new end date. If the request is denied, the student will be withdrawn, and the withdrawal date will be the student’s last date of attendance (LDA).

FAILURE TO RETURN FROM A LEAVE OF ABSENCE

A student who fails to return from a LOA on or before the date indicated in the written request will be terminated from the program, and the school will invoke the refund policy. The student’s last date of

attendance prior to the approved LOA will be used in order to determine the amount of funds the school earned and make any refunds that may be required under state policy.

RULES OF NON-INTERFERENCE

Students' time should be respected and honored. Any action which interferes with the productivity of another student is prohibited. Tampering with Center equipment or that of other students is strictly prohibited. Practical "jokes" are not permitted, as they interfere with the productivity of the learning environment.

SAFETY

Everyone's safety is of the utmost importance to us. Students must think about their actions and do nothing to create a situation or circumstance that may create peril hazard or endangerment to persons, property, systems, or processes, nor threaten to do so. Students should act to protect themselves and others from harm and to protect property from damage or theft. Do your part to create and maintain a safe and secure environment.

VIOLATION OF CONDUCT POLICIES

If a student violates the conduct policy (toward another student), the victim is encouraged to bring this to the attention of the Director of Education who will set a meeting between the student and the CEO to determine the action which must be taken.

If a student otherwise violates the conduct policy, the appropriate staff member will notify the Director of Education of the violation and the Director will then meet with the student to discuss whether the violation warrants immediate termination or whether corrective action can be taken to avoid future conduct violations by the student.

The Director will attempt to meet with the student by requesting a meeting by phone and by email. If the student fails to respond for three business days, the enrollment will be terminated.

The Director will contact the student in writing within five calendar days of the meeting to notify the student of the decision which has been made.

Any violation of the Rules of Conduct or requirements outlined in this catalog may result in disciplinary action or actions, including but not limited to prosecution under the law, suspension or expulsion (dismissal) from the Computer Learning Center, oral or written reprimand and/or correction, a meeting with the instructor or Director of Education, or a referral conversation with an official of the State of Texas Department of Education. Any student aiding or abetting violation of any policy shall also be deemed to have violated policy.

RE-ADMITTANCE INTO A PROGRAM

If a student is dismissed from a program for any reason, the following procedure should be followed in order to re-enter the program:

The student submits a letter to his/her Career Consultant requesting re-admittance to the program.

After reviewing the letter, the Career Consultant meets with the student to discuss the reason(s) he/she removed from or stopped attending the program and how similar issues can be prevented should re-admission be granted. **A student can NOT be readmitted until a minimum of one grading period has**

passed. The Career Consultant will discuss the student's request with the VP of Operations and CEO for a final decision to be made.

GRIEVANCE AND APPEALS PROCEDURE

If a student has issues that need to be addressed, he/she must follow the procedure described below. The student must submit all relevant information concerning said issues in a timely manner. This information should be specific and honest.

The procedure is as follows:

The student should contact his/her instructor or representative and arrange a meeting to discuss the issues.

If the student's issues are not resolved after speaking with the instructor / representative, the student may request a meeting with the instructor's / representative's immediate supervisor to try and resolve the issue / dispute.

If the meeting with the supervisor does not result in an agreement, the student has the right to speak with the Director of Education to resolve the issues.

If the student's concerns are not met, the student will be referred to the CEO.

If after meeting with the CEO, the student is still not satisfied with the outcome of all these channels, he / she will be given TWC form PS-401A. (The Texas Workforce Commission Student Complaint Form). The student may complete this and mail it to: Texas Workforce Commission Career Schools and Colleges 101 East 15th Street, Room 226T Austin, TX 78778-001 Phone: 512-936-3100

Programs

IT Help Desk / End User Support Specialist Program

Admission Requirements:

- A. Individuals applying for this course are required to:
- B. interview with an admission counselor
- C. be at least 18 years of age (applicants under the age of 18 require written permission from a parent or legal guardian to enroll); and
- D. present proof of secondary education (high school diploma or GED certificate) or
- E. in the event the applicant is unable to provide proof of secondary education, achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)

Course Description:

In this course, students will acquire the essential skills to perform the job as a Computer User Support Specialist or IT Help Desk / End User Support Specialist. This course covers information students will need to install, upgrade, repair, configure, troubleshoot, optimize, and perform preventative maintenance of basic personal computer hardware, devices, networks, and operating systems.

This course aligns with the CompTIA ITF+ and A+ Industry certification exams Core 1 (Exam: 220-1101) and Core 2 (Exam: 220-1102). CompTIA's vendor-neutral certification program is one of the best recognized in the IT industry. According to CompTIA, more than one million IT professionals hold a CompTIA Certification. CompTIA ITF+ and A+ certifications are required for Dell, Intel and HP service technicians, and many others, as well as recognized by the U.S. Department of Defense. This certification validates that a candidate has solid technical skills for an entry level IT position

CompTIA ITF+ and A+ is accredited by ANSI to show compliance with the ISO 17024 Standard and, as such, undergoes regular reviews and updates to the exam objectives.

Overview of Course Topics:

- Mobile Devices
- Networking
- Hardware
- Virtualization and Cloud Computing
- Hardware and Network Troubleshooting
- Operating Systems
- Security
- Software Troubleshooting
- Operational Procedures

* Non-Degree Program

Subject Outline

Course ID	Subject Title	Lec /Lab/Ext/Total
555-200.1	Hardware Fundamentals	8 / 08 / 00 / 16
555-200.2	Operating System Fundamentals	4 / 08 / 00 / 12
555-200.3	Operational Procedures	4 / 04 / 00 / 8
555-200.4	Peripheral Components	4 / 04 / 00 / 8
555-200.5	Managing System Components	6 / 06 / 00 / 12
555-200.6	Installing and Configuring Operating Systems	8 / 08 / 00 / 16
555-200.7	Customized Client Environments	4 / 04 / 00 / 8
555-200.8	Networking Technologies	8 / 04 / 00 / 12
555-200.9	Installing, Configuring, & Maintaining Networks	4 / 04 / 00 / 8
555-200.10	Supporting Laptops	4 / 04 / 00 / 8
555-200.11	Mobile Computing	4 / 04 / 00 / 8
555-200.12	Supporting Printers	4 / 04 / 00 / 8
555-200.13	Security	6 / 06 / 00 / 12

555-200.14	Troubleshooting Hardware Components	6 / 06 / 00 / 12
555-200.15	Troubleshooting System-Wide Issues	6 / 06 / 00 / 12
	Total Hours	80 / 80 / 00 / 160

*The approximate time required to complete this course is twelve weeks.

Subject Description or Synopsis

555-200.1

Hardware Fundamentals: Learn Computer System Components, Storage Devices and Device Connections as well as Interfaces.

Prerequisites: Completion of Texas Premier Technology Institute, Inc. admissions and enrollment procedures.

555-200.2

Operating System Fundamentals: Learn Personal Computer Operating Systems, Windows Control Panel Utilities, Command Line Tools, Windows Security Settings and Windows Operating System Tools.

Prerequisites: 555-200.1 Hardware Fundamentals

555-200.3

Operational Procedures: Learn basic maintenance tools and techniques, Electrical Safety, Environmental Safety and Materials Handling, Professionalism as well as Communication.

Prerequisites: 555-200.2 Operating System Fundamentals

555-200.4

Peripheral Components: In this subject student Install and Configure Display Devices, Install and Configure Input Devices, Install and Configure Expansion Cards, as well as Install and Configure Multimedia Devices.

Prerequisites: 555-200.3 Operational Procedures

555-200.5

Managing System Components: In this subject student cover Motherboards, CPUs and Cooling Systems, Power Supplies, RAM Types and Features. Students also Install and Configure Storage Devices, as well as Configure the System BIOS.

Prerequisites: 555-200.4 Peripheral Components

555-200.6

Installing and Configuring Operating Systems: In this subject, students will Implement Virtualization, Install Microsoft Windows, perform Windows Upgrades and Windows Preventive Maintenance.

Prerequisites: 555-200.5 Managing System Components

555-200.7

Customized Client Environments: Learn Standard Clients, as well as Custom Client Environments.

Prerequisites: 555-200.6 Installing and Configuring Operating Systems

555-200.8

Networking Technologies: Learn Physical Network Connections, TCP/IP, Network Connectivity, Ports and Protocols, Set Up and Configure Windows Networking as well as Networking Tools.

Prerequisites: 555-200.7 Customized Client Environments

555-200.9

Installing, Configuring, and Maintaining SOHO Networks: These subject covers the Installation and Configuration of SOHO Networks as well as Network Security.

Prerequisites: 555-200.8 Networking Technologies

555-200.10

Supporting Laptops: Learn Laptop Hardware and Components. Students Install and Configure Laptop Hardware Components

Prerequisites: 555-200.9 Networking Technologies

555-200.11

Mobile Computing: Learn Mobile Device Technologies as well as how to Configure Mobile Devices.

Prerequisites: 555-200.10 Supporting Laptops

555-200.12

Supporting Printers: Learn Printer Technologies. Students install, configure, and maintain network Printers.

Prerequisites: 555-200.11 Mobile Computing

555-200.13

Security: Learn Security Fundamentals, Security Threats and Vulnerabilities, Security Protection Measures and Workstation Security.

Prerequisites: 555-200.12 Supporting Printers

555-200.14

Troubleshooting Hardware Components: Learn Troubleshooting Theory, Troubleshoot Video and Display, Devices, Troubleshoot Hard Drives and RAID Arrays, Troubleshoot System Components, Troubleshoot Laptops as well as Troubleshoot Printers.

Prerequisites: 555-200.13 Security

555-200.15

Troubleshooting System-Wide Issues: Learn how to Troubleshoot Operating Systems, Troubleshoot Wired Wireless Networks and Troubleshoot Common Security Issues.

Prerequisites: 555-200.14 Troubleshooting Hardware Components

Class Start Dates:

Classes for day students begin August 1, 2017, with successive classes beginning approximately every 6 weeks.

Tuition and Fees:

Tuition	Fees
Program Cost	\$5,200.00
Books & Supplies	\$200.00
Total Cost	\$5,400.00

Cost per Single Subject:

Course ID	Program	Cost
555-200.1	Hardware Fundamentals	\$520.00
555-200.2	Operating System Fundamentals	\$390.00
555-200.3	Operational Procedures	\$260.00
555-200.4	Peripheral Components	\$260.00
555-200.5	Managing System Components	\$390.00
555-200.6	Installing and Configuring Operating Systems	\$520.00
555-200.7	Customized Client Environments	\$260.00
555-200.8	Networking Technologies	\$390.00

555-200.9	Installing, Configuring, and Maintaining Networks	\$260.00
555-200.10	Supporting Laptops	\$260.00
555-200.11	Mobile Computing	\$260.00
555-200.12	Supporting Printers	\$260.00
555-200.13	Security	\$390.00
555-200.14	Troubleshooting Hardware Components	\$390.00
555-200.15	Troubleshooting System-Wide Issues	\$390.00

Network Systems Administrator Associate Program

Admission Requirements:

- A. Individuals applying for this course are required to:
- B. interview with an admission counselor.
- C. be at least 18 years of age (applicants under the age of 18 require written permission from a parent or legal guardian to enroll); and
- D. present proof of secondary education (high school diploma or GED certificate) or
- E. in the event the applicant is unable to provide proof of secondary education, achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)

Course Description:

The Network Systems Administrator Associate Program describes the major networking technologies, systems, skills, and tools in use in modern Corporate networks. Students will learn to install, configure, upgrade, maintain, and troubleshoot servers and server hardware while learning essential networking fundamentals and other information and skills for those pursuing a career path in IT infrastructure, Cloud and Network Systems Administration. This program aligns with the CompTIA Network+ Certification.

* Non-Degree Program

Subject Outline

Course ID	Subject Title	Lec/Lab/Ext/Total
555-300.1	Network Theory	4 / 02 / 00 / 6
555-300.2	Network Communications Methods	2 / 02 / 00 / 4
555-300.3	Network Media and Hardware	2 / 03 / 00 / 5
555-300.4	Network Implementations	2 / 03 / 00 / 5
555-300.5	Network Models	2 / 02 / 00 / 4
555-300.6	TCP/IP Addressing and Data Delivery	2 / 02 / 00 / 4

555-300.7	TCP/IP Services	2 / 02 / 00 / 4
555-300.8	LAN Infrastructure	3 / 03 / 00 / 6
555-300.9	WAN Infrastructure	3 / 03 / 00 / 6
555-300.10	Remote Networking	3 / 03 / 00 / 6
555-300.11	System Security	3 / 03 / 00 / 6
555-300.12	Network Security	3 / 03 / 00 / 6
555-300.13	Network Security Threats and Attacks	3 / 03 / 00 / 6
555-300.14	Network Management	3 / 03 / 00 / 6
555-300.15	Network Troubleshooting	3 / 03 / 00 / 6
550-400.1	Introduction to Servers	4 / 04 / 00 / 8
550-400.2	Exploring the Server Hardware	4 / 04 / 00 / 8
550-400.3	Introduction to Server Software	4 / 04 / 00 / 8
550-400.4	Exploring the Server Storage System	4 / 04 / 00 / 8
550-400.5	Installing the Server Hardware	4 / 04 / 00 / 8
550-400.6	Configuring Servers	4 / 04 / 00 / 8
550-400.7	Examining the Issues in Upgrading Server Components	4 / 04 / 00 / 8
550-400.8	Examining Servers in an IT Environment	4 / 04 / 00 / 8
550-400.9	Troubleshooting Servers	4 / 04 / 00 / 8
550-400.10	Exploring Disaster Recovery Concepts & Methodologies	4 / 04 / 00 / 8
580- 40349A	Windows Operating System Fundamentals	6 / 06 / 00 / 12
580-40365A	Windows Server Administration Fundamentals	6 / 06 / 00 / 12
580-40366A	Network Fundamentals	6 / 06 / 00 / 12
580-40367A	Security Fundamentals	6 / 06 / 00 / 12
580-40368A	Mobility and Device Fundamentals	6 / 06 / 00 / 12
580-40369A	Cloud Fundamentals	6 / 06 / 00 / 12
	Total Hours	116 / 116 / 00 / 232

*The approximate time required to complete this course is twelve weeks.

Subject Description or Synopsis

555-300.1

Network Theory: Learn Networking Terminology, Network Categories, Standard Network Models, Physical Network Topologies as well as Logical Network Topologies.

Prerequisites: Completion of Texas Premier Technology Institute, Inc. admissions and enrollment procedures.

555-300.2

Network Communications Methods: Learn Data Transmission Methods, Media Access Methods as well as Signaling Methods.

Prerequisites: 555-300.1 Network Theory

555-300.3

Network Media and Hardware: Learn Bounded Network Media, Unbounded Network Media, Noise Control, as well as Network Connectivity Devices.

Prerequisites: 555-300.2 Network Communications Methods

555-300.4

Network Implementations: Learn Ethernet Networks and Wireless Networks.

Prerequisites: 555-300.3 Network Media and Hardware

555-300.5

Network Models: Learn the OSI Model as well as the TCP/IP Model.

Prerequisites: 555-300.4 Network Implementations

555-300.6

TCP/IP Addressing and Data Delivery: Learn TCP/IP Protocol Suite, IP Addressing, Default IP Addressing Schemes. Create Custom IP Addressing Schemes, Implement IPv6 Addresses as well as Delivery Techniques.

Prerequisites: 555-300.5 Network Models

555-300.7

TCP/IP Services: Learn how to assign IP Addresses, Domain Naming Services, TCP/IP Commands, Common TCP/IP Protocols as well as TCP/IP Interoperability Services.

Prerequisites: 555-300.6 TCP/IP Addressing and Data Delivery

555-300.8

LAN Infrastructure: Learn Switching, and how to enable Static Routing. Implement Dynamic IP Routing, and Virtual LANs as well as how to Plan a SOHO Network.

Prerequisites: 555-300.7 TCP/IP Services

555-300.9

WAN Infrastructure: Learn WAN Transmission Technologies, WAN Connectivity Methods and Voice over Data Transmission.

Prerequisites: 555-300.8 LAN Infrastructure

555-300.10

Remote Networking: Learn Remote Network Architectures, Remote Access Networking Implementations, Virtual Private Networking and VPN Protocols.

Prerequisites: 555-300.9 WAN Infrastructure

555-300.11

System Security: Learn Computer Security Basics, System Security Tools, Authentication Methods and Encryption Methods.

Prerequisites: 555-300.10 Remote Networking

555-300.12

Network Security: Learn Network Perimeter Security, Intrusion Detection and Prevention, as well as Protect Network Traffic Using IPsec.

Prerequisites: 555-300.11 System Security

555-300.13

Network Security Threats and Attacks: Learn Network-Based Security Threats and Attacks, Apply Threat Mitigation Techniques and Educate Users.

Prerequisites: 555-300.12 Network Security

555-300.14

Network Management: Learn Network Monitoring, Configuration Management Documentation and Network Performance Optimization.

Prerequisites: 555-300.13 Network Security Threats and Attacks

555-300.15

Network Troubleshooting: Learn Network Troubleshooting Models, Network Troubleshooting Utilities, Hardware Troubleshooting Tools as well as Common Connectivity Issues.

Prerequisites: 555-300.14 Network Management

555-400.1

Introduction to Servers: Learn how to examine Network Architecture, Identify Common Server Types and Functions.

Prerequisites: 555-300.15 Network Troubleshooting

555-400.2

Exploring the Server Hardware: Learn how to identify Server System Board Components, explore System Processing Core, explore Server Memory, and examine Server Cooling and Power Systems.

Prerequisites: 555-400.1 Introduction to Servers

555-400.3

Introduction to Server Software: Learn how to describe Server Software, NOS Management Features, NOS Security Features and Network Essentials for Servers.

Prerequisites: 555-400.2 Exploring the Server Hardware

555-400.4

Exploring the Server Storage System: Learn how to examine Storage Devices Used for Servers, Exploring IDE and SCSI, Describe RAID, Explore NAS Implementations and how to Explore SAN Implementations.

Prerequisites: 555-400.3 Introduction to Server Software

555-400.5

Installing the Server Hardware: Learn how to: identify the best practices in Server Hardware Installation, Install Hardware Components on a Server, Verify Server Installation as well as how to install a Server in a Network Environment.

Prerequisites: 555-400.4 Exploring the Server Storage System

555-400.6

Configuring Servers: Learn how to do the following: NOS Installation and Verification, Install System Monitoring Agents and Service Tools as well as Server Configuration Documentation.

Prerequisites: 555-400.5 Installing the Server Hardware

555-400.7

Examining the Issues in Upgrading Server Components: Learn how to do the following: Examine an Upgrade Checklist, Examine the Issues in Upgrading Server Hardware as well as examine the Issues in Upgrading Server Software.

Prerequisites: 555-400.6 Configuring Servers

555-400.8

Examining Servers in an IT Environment: Learn how to do the following: Industry Best Practices for Server Installation and Maintenance as well as Server Security and Access Methods.

Prerequisites: 555-400.7 Examining the Issues in Upgrading Server Components

555-400.9

Troubleshooting Servers: Learn how to do the following: Examine the Troubleshooting Theory and Methodologies, Troubleshoot Server Hardware Problems, Troubleshoot Server Software Problems, Troubleshoot Server Network Problems and Troubleshoot Server Storage Device Problems.

Prerequisites: 555-400.8 Examining Servers in an IT Environment

555-400.10

Exploring Disaster Recovery Concepts and Methodologies: Learn how to do the following: Examine Disaster Recovery Plans, Implement Disaster Recovery Methodologies, as well as Implement Replication Methods.

Prerequisites: 555-400.9 Troubleshooting Servers

580- 40349A

Windows Operating System Fundamentals: This Training course helps you to build an understanding of these topics: Operating System Configurations, Installing and Upgrading Client Systems, Managing Applications, Managing Files and Folders, Managing Devices, and Operating System Maintenance.

Prerequisites: 555-400.10 Exploring Disaster Recovery Concepts and Methodologies

580-40365A

Windows Server Administration Fundamentals: Training course helps build an understanding of these topics: Server Installation, Server Roles, Active Directory, Storage, Server Performance Management, and Server Maintenance. This course leverages the same content as found in the Microsoft Official Academic Course (MOAC) for this exam.

Prerequisites: 580-40349A Windows Operating System Fundamentals

580-40366A

Network Fundamentals: This Training course helps you build an understanding of these topics: Network Infrastructures, Network Hardware, and Protocols and Services.

Prerequisites: 580-40365A Windows Server Administration Fundamentals

580-40367A

Security Fundamentals: This Training course helps you build an understanding of these topics: Security Layers, Operating System Security, Network Security, and Security Software.

Prerequisites: 580-40366A Network Fundamentals

580-40368A

Mobility and Device Fundamentals: This Training course helps build an understanding of these topics: Device configurations, Data Access and Management, Device Security, Cloud Services and Enterprise Mobility.

Prerequisites: 580-40367A Security Fundamentals

580-40369A

Cloud Fundamentals: Build an understanding of these topics: The cloud, enabling, using and configuring cloud services, supporting cloud users, and administering Office 365 and Microsoft Intune.

Prerequisites: 580-40368A Mobility and Device Fundamentals

Class Start Dates:

Classes for day students begin August 1, 2017, with successive classes beginning approximately every 6 weeks.

Tuition and Fees:

Tuition	Fees
Program Cost	\$7,540.00
Books & Supplies	\$200.00
Total Cost	\$7,740.00

Cost per Single Subject:

Course ID	Course	Cost
555-300.1	Network Theory	\$195.00
555-300.2	Network Communications Methods	\$130.00
555-300.3	Network Media and Hardware	\$162.50
555-300.4	Network Implementations	\$162.50
555-300.5	Network Models	\$130.00
555-300.6	TCP/IP Addressing and Data Delivery	\$130.00
555-300.7	TCP/IP Services	\$130.00
555-300.8	LAN Infrastructure	\$195.00
555-300.9	WAN Infrastructure	\$195.00
555-300.10	Remote Networking	\$195.00
555-300.11	System Security	\$195.00
555-300.12	Network Security	\$195.00
555-300.13	Network Security Threats and Attacks	\$195.00
555-300.14	Network Management	\$195.00
555-300.15	Network Troubleshooting	\$195.00
555-400.1	Hardware Fundamentals	\$260.00
555-400.2	Operating System Fundamentals	\$260.00
555-400.3	Operational Procedures	\$260.00
555-400.4	Peripheral Components	\$260.00
555-400.5	Managing System Components	\$260.00

555-400.6	Installing and Configuring Operating Systems	\$260.00
555-400.7	Customized Client Environments	\$260.00
555-400.8	Networking Technologies	\$260.00
555-400.9	Installing, Configuring, and Maintaining SOHO Networks	\$260.00
555-400.10	Supporting Laptops	\$260.00
580-40349A	Windows Operating System Fundamentals	\$390.00
580-40365A	Windows Server Administration Fundamentals	\$390.00
580-40366A	Network Fundamentals	\$390.00
580-40367A	Security Fundamentals	\$390.00
580-40368A	Mobility and Device Fundamentals	\$390.00
580-40369A	Cloud Fundamentals	\$390.00

IT Security Administrator Associate Program

Admission Requirements:

- A. Individuals applying for this course are required to:
- B. interview with an admission counselor.
- C. be at least 18 years of age (applicants under the age of 18 require written permission from a parent or legal guardian to enroll); and
- D. present proof of secondary education (high school diploma or GED certificate) or
- E. in the event the applicant is unable to provide proof of secondary education, achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)

Course Description:

Students will learn how to install, operate, configure, and verify a basic IPv4 and IPv6 network, including configuring a LAN switch, configuring an IP router, connecting to a WAN, and identifying basic security threats. Students will also gain an in-depth knowledge of systems security, access control, network infrastructure, assessments and audits, cryptography and organizational security across all vendor products. These skills have become increasingly important, as additional safeguards such as intrusion detection systems, physical access control and multi-factor authentication become standard methods of protection.

Students are given real world scenarios to reinforce the material covered and will learn how to apply the concepts to their daily operations. IT Security Administrator Program teaches critical knowledge of communication security, infrastructure security, cryptography, operational security, and general security concepts. Because human error is the number one cause for a network security breach, CompTIA Security+ Courses are recognized by the technology community as a valuable credential that proves competency with information security.

* Non-Degree Program

Subject Outline:

Course ID	Subject Title	Lec/Lab/Ext/Total
550-500.1	Security Fundamentals	10 / 10 / 00 / 20
550-500.2	Risk Management	10 / 10 / 00 / 20
550-500.3	Cryptography	8 / 8 / 00 / 16
550-500.4	Network Connectivity	8 / 8 / 00 / 16
550-500.5	Network Security Technologies	8 / 8 / 00 / 16
550-500.6	Secure Network Configuration	8 / 8 / 00 / 16
550-500.7	Authentication	8 / 8 / 00 / 16
550-500.8	Access Control	8 / 8 / 00 / 16
550-500.9	Securing Host and Data	8 / 8 / 00 / 16
550-500.10	Securing Specialized Systems	8 / 8 / 00 / 16
550-500.11	Application Security	10 / 10 / 00 / 20
550-500.12	Cloud Security	10 / 10 / 00 / 20
550-500.13	Organizational Security	8 / 8 / 00 / 16
550-500.14	Disaster Planning and Recovery	8 / 8 / 00 / 16
	Total Hours	120 / 120 / 00 / 240

*The approximate time required to complete this course is twelve weeks.

Subject Description or Synopsis

555-500.1

Security Fundamentals: Learn about the basic security concepts, enterprise security planning and how to build a security program

Prerequisites: Completion of Texas Premier Technology Institute, Inc. admissions and enrollment procedures.

555-500.2

Risk Management: Learn about threat sources and threat intelligence. How to calculate and manage risk and perform security assessments.

Prerequisites: 555-500.1 Security Fundamentals

555-500.3

Cryptography: Learn about the primary types of cryptography and algorithms in common use as well as public key infrastructure (PKI) technologies.

Prerequisites: 555-500.2 Risk Management

555-500.4

Network Connectivity: Learn about network attacks and how to control packet flow with ACLs and firewalls.

Prerequisites: 555-500.3 Cryptography

555-500.5

Network Security Technologies: Learn network security appliances, monitoring, and analysis.

Prerequisites: 555-500.4 Network Connectivity

555-500.6

Secure network configuration: Learn about Secure data via transport encryption and establish and maintain a secure network.

Prerequisites: 555-500.5 Network Security Technologies

555-500.7

Authentication: Learn Authentication factors, principles, and systems.

Prerequisites: 555-500.6 Secure network configuration

555-500.8

Access control: Learn Control principles and account management.

Prerequisites: 555-500.7 Authentication

555-500.9

Securing hosts and data: Learn about malware, securing data, host, and applications.

Prerequisites: 555-500.8 Access control

555-500.10

Securing specialized systems: Learn how to secure mobile devices, secure embedded and specialized systems.

Prerequisites: 555-500.9 Securing hosts and data

555-500.11

Application Security: Secure data via transport encryption and establish and maintain a secure network.

Prerequisites: 555-500.10 Securing specialized systems.

555-500.12

Cloud Security: You will learn how to secure and harden virtual networks and cloud services.

Prerequisites: 555-500.11 Application Security

555-500.13

Organizational Security: Lear about social engineering, typical policies, and business agreements. User Training practices and physically securing assets and managing safety controls.

Prerequisites: 555-500.12 Cloud Security

555-500.14

Disaster planning and recovery: Learn about business continuity planning, fault tolerance and recovery and security incidents.

Prerequisites: 555-500.13 Disaster planning and recovery

Tuition and Fees:

Tuition	Fees
Program Cost	\$7,000.00
Books & Supplies	\$200.00
Total Cost	\$7,200.00

Cost per Single Subject:

Course ID	Course	Cost
555-500.1	Security Fundamentals	\$500.00
555-500.2	Risk Management	\$500.00
555-500.3	Cryptography	\$500.00
555-500.4	Network Connectivity	\$500.00
555-500.5	Network Security Technologies	\$500.00
555-500.6	Secure Network Configurations	\$500.00
555-500.7	Authentication	\$500.00
555-500.8	Access Control	\$500.00
555-500.9	Securing Hosts and Data	\$500.00
555-500.10	Securing Specialized systems	\$500.00
555-500.11	Application Security	\$500.00
555-500.12	Cloud Security	\$500.00
555-500.13	Organizational Security	\$500.00
555-500.14	Disaster Planning and Recovery	\$500.00

Database Administrator Associate Program

Admission Requirements:

- A. Individuals applying for this course are required to:
- B. interview with an admission counselor.
- C. be at least 18 years of age (applicants under the age of 18 require written permission from a parent or legal guardian to enroll); and
- D. present proof of secondary education (high school diploma or GED certificate) or
- E. in the event the applicant is unable to provide proof of secondary education, achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)

Course Description:

This course covers database design and the use of database management systems for applications. It includes coverage of the relational model, and SQL. It also covers XML data including DTDs and XML Schema for validation, and the query and transformation languages XPath, XQuery, and XSLT. The course includes database design in UML, and relational design principles based on dependencies and normal forms. Many additional key database topics from the design and application-building perspective are also covered: indexes, views, transactions, authorization, integrity constraints, triggers, on-line analytical processing (OLAP), JSON, and emerging NoSQL systems. This course prepares students for the Microsoft Azure Data Fundamentals Certification Exam DP-900.

* Non-Degree Program

Subject Outline:

Course ID	Subject Title	Lec/Lab/Ext/Total
581-40364A	Database Administrator Fundamentals	100 / 100 / 00 / 200
	Total Hours	100 / 100 / 00 / 200

*The approximate time required to complete this course is twelve weeks.

Subject Description or Synopsis

581- 40349A

Database Administrator Fundamentals:

This Training course helps you build an understanding of these topics: Core Database Concepts, Creating Database Objects, Manipulating Data, Data Storage, and Administering a Database. It includes coverage of the relational model, and SQL. It also covers XML data including DTDs and XML Schema for validation, and the query and transformation languages XPath, XQuery, and XSLT. The course includes database design in UML, and relational design principles based on dependencies and normal forms. Many additional key database topics from the design and application-building perspective are also covered: indexes, views, transactions, authorization, integrity constraints, triggers, on-line analytical processing (OLAP), JSON, and emerging NoSQL systems. To master data in the cloud, you need the right foundation—a solid understanding of core data concepts, such as relational data, nonrelational data, big data, and analytics. Plus, familiarity with the roles, tasks, and responsibilities in the world of data and data analytics.

Prerequisites: Completion of Texas Premier Technology Institute, Inc. admissions and enrollment procedures.

Tuition and Fees:

Tuition	Fees
Program Cost	\$7,000.00
Books & Supplies	\$200.00
Total Cost	\$7,200.00

Cost per Single Subject:

Course ID	Program	Cost
581- 40349A	Database Administrator Fundamentals	\$7,000.00

Software Solution Developer Associate Program

Admission Requirements:

- A. Individuals applying for this course are required to:
- B. interview with an admission counselor.
- C. be at least 18 years of age (applicants under the age of 18 require written permission from a parent or legal guardian to enroll); and
- D. present proof of secondary education (high school diploma or GED certificate) or
- E. in the event the applicant is unable to provide proof of secondary education, achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)

Course Description:

Master the fundamentals of these topics: Core Programming, Object-Oriented Programming, General Software Development, Web Applications, Desktop Applications, and Databases website development, such as HTML5, XHTML, CSS, JavaScript, Ajax, multimedia, HTTP, and scripting languages. Build dynamic, database-driven web applications. Students will design, code, and build mobile apps and games using cross-platform tools. This course prepares students for the Developing Solutions for Microsoft Azure Exam AZ-204.

* Non-Degree Program

Subject Outline:

Course ID	Subject Title	Lec/Lab/Ext/Total
582- 40361A	Software Development Fundamentals	100 / 100 / 00 / 200
	Total Hours	100 / 100 / 00 /200

*The approximate time required to complete this course is twelve weeks.

Subject Description or Synopsis

582- 40361A

Software Developer Fundamentals: Students will learn:

Core Programming

Becoming successful in programming doesn't require a deep understanding of computer hardware, but a general understanding of how a computer stores and processes information helps the programmer become more efficient at writing code. In this module, viewers will be presented with core programming concepts, such as covering how computers store information using data, structures, and how algorithms are used to solve real-world problems in a computer application. Other core programming concepts are

covered, in addition to showing how to use decision structures and repetition in your programs, plus a discussion on programming errors.

Object-Oriented Programming

Most programming tasks today revolve around object-oriented programming (OOP). This section covers how objects created in code can mimic real-world objects helping the programmer to better solve problems with their applications through modeling of the real-world objects represented in code.

General Software Development

Learn about general software development aspects, such as application lifecycle management and application specifications. These two concepts cover a general understanding of how software applications are created, deployed, and maintained by application developers.

Web Applications

This section will present the viewer with a general understanding of what web-based applications are and how they are used in providing functionality and services to users and other programs.

Desktop Applications

Although the Internet has created a move to more and more web-based applications and services, a fair bit of development is still accomplished for the desktop or laptop computer. This section presents an overview of the various types of applications a developer may be involved in creating for this platform.

Databases

Almost all applications developed today rely on data of some kind. Programmers are expected to know what a database is and how to extract information from one. This section provides a high-level overview of databases and shows how to extract, insert, update, and delete data in database systems.

Developing Solutions

You will learn the following.

- Create Azure App Service Web
- Implement Azure Function
- Develop solutions that use Blob Storage
- Develop solutions that use Azure Cosmos
- Implement infrastructure as a service solution
- Implement user authentication and authorization
- Implement secure cloud solutions
- Implement API Management
- Develop event-based solutions
- Develop message-based solutions
- Instrument solutions to support monitoring and logging
- Integrate caching and content delivery within solutions

Prerequisites: Completion of Texas Premier Technology Institute, Inc. admissions and enrollment procedures.

Tuition and Fees:

Tuition	Fees
Program Cost	\$7,000.00
Books & Supplies	\$200.00
Total Cost	\$7,200.00

Cost per Single Subject:

Course ID	Program	Cost
582- 40361A	Software Developer Fundamentals	\$7,200.00

Computer Systems Analyst / Office 365 Administrator Associate Program

Admission Requirements:

- A. Individuals applying for this course are required to:
- B. interview with an admission counselor.
- C. be at least 18 years of age (applicants under the age of 18 require written permission from a parent or legal guardian to enroll); and
- D. present proof of secondary education (high school diploma or GED certificate) or
- E. in the event the applicant is unable to provide proof of secondary education, achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)

Course Description:

This course targets the needs of who are interested in taking part in evaluation, planning, deployment, and operating procedures of Office 365 services, including its identities, dependencies, requirements, and supporting technologies. This course focuses on skills required to set up an Office 365 tenant, including federation with existing user identities, and skills required to sustain an Office 365 tenant and its users.

Computer Systems Analyst / Office 365 Administrator Associate Program prepares you for a position as an Office 365 Network Systems Administrator, Software as a Service (SaaS) Administrator, Systems Engineer, and Cloud Engineer focused on managing Office 365 business productivity products like Exchange, SharePoint, and Skype for Business.

At course completion:

After completing this course, students will be able to:

- Plan an Office 365 deployment, configure the Office 365 tenant, and plan a pilot deployment.
- Manage Office 365 users, groups, and licenses, and configure delegated administration.
- Plan and configure client connectivity to Office 365.
- Plan and configure directory synchronization between Azure AD and on-premises AD DS.
- Plan and manage Exchange Online recipients and permissions.
- Plan and configure Exchange Online services.
- Plan and implement the Skype for Business Online deployment.
- Plan and configure SharePoint Online.
- Plan and configure an Office 365 collaboration solution that includes Yammer Enterprise, OneDrive for Business, and Office 365 groups.
- Plan and configure the integration between Office 365 and Azure RMS and configure compliance features in Office 365.
- Monitor and review Office 365 services and troubleshoot Office 365 issues.
- Plan and implement identity federation between on-premises AD DS and Azure AD.

* Non-Degree Program

Subject Outline:

Course ID	Subject Title	Lec/Lab/Ext/Total
583-O365A	Office 365 Fundamentals	50 / 50/ 00 / 100
583-O365B.1	Office 365 Identity and Access	50 / 50/ 00 / 100
583-O365B.2	Office 365 Identity and Services / Mobility and Security	50 / 50/ 00 / 100
	Total Hours	100 / 100 / 00 / 200

*The approximate time required to complete this course is twelve weeks.

Subject Description or Synopsis

583-O365A

Microsoft Office 365 Fundamentals: In this course you will learn the different types of Cloud concepts and services. Core Microsoft 365 services and concepts. Security, compliance, privacy, and trust in Microsoft 365 as well as pricing and support.

Prerequisites: Completion of Texas Premier Technology Institute, Inc. admissions and enrollment procedures.

583-O365B.1

Microsoft Office 365 Identity and Access: This course describes Exchange Online and explains how to create and manage recipient objects and how to manage and delegate Exchange security and how to plan and configure Exchange Online services. It also explains how to plan and configure anti-malware and anti-spam settings in Office 365. Course describes how to plan and implement the Skype for Business Online deployment. This course also describes how to plan voice integration with Skype for Business Online and describes the administrative features available within SharePoint Online and the most common configuration tasks for any administrator who starts using SharePoint Online.

Prerequisites: Completion of 583-O365A Microsoft Office 365 Fundamentals

583-O365B.2

Microsoft Office 365 Identity and Services / Mobility and Security: The Microsoft identity and access administrator designs, implements, and operates an organization's identity and access management systems by using Azure Active Directory (Azure AD). They manage tasks such as providing secure authentication and authorization access to enterprise applications. The administrator provides seamless experiences and self-service management capabilities for all users. Adaptive access and governance are core elements to the role. This role is also responsible for troubleshooting, monitoring, and reporting for the identity and access environment.

The identity and access administrator may be a single individual or a member of a larger team. This role collaborates with many other roles in the organization to drive strategic identity projects to modernize identity solutions, to implement hybrid identity solutions, and to implement identity governance.

In this course you will;

- Design and implement Microsoft 365 services
- Manage user identity and roles
- Manage access and authentication
- Plan Office 365 workloads and applications
- Implement modern device services
- Implement Microsoft 365 security and threat management
- Manage Microsoft 365 governance and compliance

Prerequisites: Completion of 583-O365B.1 Microsoft Office 365 Identity and Access

Tuition and Fees:

Tuition	Fees
Program Cost	\$7,300.00
Books & Supplies	\$200.00
Total Cost	\$7,500.00

Cost per Single Subject:

Course ID	Program Part 1	Cost
599-O365A	Managing Office 365 Identities and Requirements	\$3,650.00
Course ID	Program Part 2 Options	Cost
599-O365B.1	Microsoft Office 365 Identity and Access	\$3,650.00
599-O365B.2	Microsoft Office 365 Identity and Services / Mobility and Security	\$3,650.00

Private Cloud Administrator Associate Program

Admission Requirements:

- A. Individuals applying for this course are required to:
- B. interview with an admission counselor.
- C. be at least 18 years of age (applicants under the age of 18 require written permission from a parent or legal guardian to enroll); and
- D. present proof of secondary education (high school diploma or GED certificate) or
- E. in the event the applicant is unable to provide proof of secondary education, achieve a passing score on the Wonderlic Basic Skills Test (Verbal 200 and Quantitative 210)

Course Description:

Cover the new features and enhancements for transforming virtualization and cloud computing. The program collectively covers implementing, managing, maintaining, and provisioning services and infrastructure in a Cloud based environment. It also covers the deploying of web applications, creating web apps from the gallery, deploying and monitoring Web Apps, creating and configuring Virtual Machines, creating, and managing storage accounts, blobs, and containers in a storage account.

Students create, configure, and connect to a SQL Database instance, importing a standalone database, manage users, groups, and subscriptions in an Azure Active Directory instance, creating a virtual network, implementing a point to site network. Students learn how to describe architecture components, including infrastructure, tools, and portals, implementing and manage virtual networking and connecting to on-premises environments. Additionally, students plan and create virtual machines, configure webs apps and mobile apps, implement, manage, backup, and monitor storage solutions, implement data services based on SQL Database to support applications, manage AD tenants, and configure application integration with cloud AD.

* Non-Degree Program

Subject Outline:

Course ID	Subject Title	Lec/Lab/Ext/Total
600-MSEPC532	Cloud Computing and Configurations and Deployment	10 / 10 / 00 / 20
600-MSEPC533	Cloud Deployments	10 / 10 / 00 / 20
600-MSEPC534	Security in the Cloud	10 / 10 / 00 / 20
600-MSEPC535	Implementing Cloud Security	10 / 10 / 00 / 20
600-MSEPC536	Maintaining Cloud Operations	10 / 10 / 00 / 20
600-MSEPC537	Disaster Recovery, Business Continuity, and Ongoing Maintenance	10 / 10 / 00 / 20
600-MSEPC538	Cloud Management	10 / 10 / 00 / 20
600-MSEPC539	Troubleshooting	10 / 10 / 00 / 20
600-MSEPC540	Cloud Management Baselines, Performance, and SLAs	10 / 10 / 00 / 20
600-MSEPC541	Troubleshooting Networking and Security Issues	10 / 10 / 00 / 20
Total Hours		100 / 100 / 00 / 200

*The approximate time required to complete this course is twelve weeks.

Subject Description or Synopsis

600-MSEPC532

Cloud Computing and Configurations and Deployment: The course starts out investigating the most common cloud components such as applications, compute, storage, and networking. Then how to determine the correct size and scale of the systems is discussed. You will get a basic understanding of configurations found in the cloud and learn about production, quality assurance, and development cloud systems.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrollment procedures.
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC533

Cloud Deployments: In this lesson you'll learn about deploying services in the cloud and how to execute a deployment plan; the most common service models; and the various ways that clouds are delivered such as public, private, and community. Common cloud terminology and storage are explained.

Next, the technical background is presented on how to determine the needs and design an effective cloud deployment. This includes what virtualization is, its benefits, and why it is a central technology in cloud computing. You'll learn about hypervisors, virtual machines, and how to migrate from your existing operations to the cloud.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion of 600-MSEPC533 Cloud Computing and Configurations and Deployments
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC534

Security in the Cloud: This lesson covers cloud security starting with security polices, laws and standards. You will then learn about specific security technologies, applications, and services.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC533 Cloud Deployments
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.

- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC535

Implementing Cloud Security: This lesson builds on your security knowledge by explaining how to implement secure storage, networks, and compute systems. Security tools, intrusion systems, encryption, tools, techniques, and services are introduced.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC534 Security in the Cloud
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC536

Maintaining Cloud Operations: This lesson focuses on keeping your cloud deployment current with the latest updates and discusses the processes to follow. Automation is introduced, and you will learn about

the importance of cloud automation and orchestration systems. The lesson concludes with a discussion on backing up your data in the cloud.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC535 Implementing Cloud Security
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC537

Disaster Recovery, Business Continuity and Ongoing Maintenance: We'll take a step back in this lesson and cover how to go about developing a disaster recovery plan and the common models available. You will learn the importance of business survivability during a severe outage and understand the issues concerning recovery. The lesson ends with describing how to perform ongoing maintenance in your cloud environment.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC536 Maintaining Cloud Operations
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.

- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC538

Cloud Management: You'll now delve deep into the operations aspects of cloud computing. Lesson 7 begins with a discussion of monitoring the cloud and then moves on to look at the allocation and provisioning of resources. Then you will learn about business requirements, application life cycles, and the impact they have on managing your cloud deployment. The lesson concludes with discussion on security of your cloud operations with accounts, automation, authentication and automation models.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC537 Disaster Recovery, Continuity, and Ongoing Maintenance
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC539

Troubleshooting: You'll dive deep into the technical aspects identifying and correct cloud technical issues. We cover troubleshooting of new and existing deployments. You will learn about common problems found in the cloud that you will need to resolve. We will teach you how to identify and resolve deviations from your baselines and what to do when breakdowns in the workflow occur. Be sure to pay close attention to this lesson!

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC538 Cloud Management
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

*Or, completed one of the following **Texas Premier Technology Institute Programs:***

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC540

Cloud Management Baseline, Performance, and SLAs: This lesson explains how to determine what is considered normal cloud operations by creating and maintaining baseline measurements. Based on these measurements, we go on to discuss how to monitor your cloud fleet for deviations from the baseline and the steps to take when this occurs. Service level agreements and chargeback models are also explained in this lesson.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC539 Troubleshooting
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

Or, completed one of the following Texas Premier Technology Institute Programs:

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

600-MSEPC541

Troubleshooting Networking and Security Issues and Understanding Methodologies: The final lesson continues investigating troubleshooting with a focus on tools and techniques. We will present common troubleshooting utilities found in Linux and Windows systems and how to perform a structured troubleshooting approach.

Prerequisites: *Students must meet the following*

- Completion of Texas Premier Technology Institute, Inc. admissions and enrolment procedures.
- Completion 600-MSEPC540 Cloud Management Baseline, Performance, and SLAs
- Experience administering the Windows Server operating system, including Windows Server 2012, or later and Exchange 2010, or later.
- Experience working with AD DS.
- Experience working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows PowerShell.
- Experience working with Exchange Server 2013 or later

Or, completed one of the following Texas Premier Technology Institute Programs:

- Network Systems Administrator Associate Program
- IT Security Administrator Associate Program

Tuition and Fees:

Tuition	Fees
Program Cost	\$7,600.00
Books & Supplies	\$200.00
Total Cost	\$7,800.00

Cost per Single Subject:

Course ID	Program	Cost
602-MSEPC532	Cloud Computing and Configurations and Deployment	\$760.00

602-MSEPC533	Cloud Deployments	\$760.00
602-MSEPC534	Security in the Cloud	\$760.00
600-MSEPC535	Implementing Cloud Security	\$760.00
600-MSEPC536	Maintaining Cloud Operations	\$760.00
600-MSEPC537	Disaster Recovery, Business Continuity, and Ongoing Maintenance	\$760.00
600-MSEPC538	Cloud Management	\$760.00
600-MSEPC539	Troubleshooting	\$760.00
600-MSEPC540	Cloud Management Baselines, Performance, and SLAs	\$760.00
600-MSEPC541	Troubleshooting Networking and Security Issues	\$760.00