



# College Catalog

**8820 East Pine Street  
Tulsa, OK 74115  
(918) 836-6886**

**[www.spartan.edu](http://www.spartan.edu)**

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## **School Information**

This Catalog and Supplement can be found under Consumer Information on [www.spartan.edu](http://www.spartan.edu). Every prospective student or interested person is provided a hyperlink to the catalog. In addition, the catalog is available in print upon request. Prospective students are encouraged to review this catalog prior to signing an enrollment agreement.

## **Address and Contact Information**

### **Business and Mailing**

8820 East Pine Street, Tulsa, OK 74115 | (918) 836-6886  
StudentServices@spartan.edu

### **Class Locations**

“Main” Campus  
8820 East Pine Street, Tulsa, OK 74115

“North” facility – AMT lab classes meet here  
7304 East Apache, Tulsa, OK 74115

“Flight” facility – Flight classes meet here  
123 Cessna Drive, Tulsa, OK 74132

## **Certification Statement**

Each student is responsible for compliance with the information appearing in this catalog. Failure to read the information and policies will not be considered an excuse for non-compliance. The contents of this catalog are accurate at the time of revision, but it is subject to change. The college reserves the right to change its regulations, policies, training equipment, course content, course length, starting dates, hours of attendance, tuition, and fees if such changes are deemed necessary to improve the quality of student education or training. Any such changes requiring approval by the state agency will obtain approval prior to implementation.

The Campus President certifies that the information contained in this catalog is true and correct in content and policy.

## **Financial Standing**

Spartan College of Aeronautics and Technology has no pending petitions in bankruptcy. It is not operating as a debtor in possession and has not filed a petition 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.).



## **Owner Statement**

Spartan Education, LLC, a Delaware corporation, is doing business as Spartan College of Aeronautics and Technology (also referred to as “Spartan”, “Spartan College”, “the College”), a private institution owned and operated by Spartan Education Group, LLC, a Delaware corporation.

## **Catalog Supplement**

Please note that the catalog is not considered complete unless the appropriate supplement is included. The supplement can be found at [www.spartan.edu](http://www.spartan.edu) under Consumer Information > Campus Location > Catalog. Please refer to the Catalog Supplement for information such as:

1. New Student Start Dates
2. Daily Class Schedules
3. Continuing and Returning Student Calendar
4. Holidays
5. Schedule of Total Charges (Tuition, Books, Equipment, etc.)
6. Miscellaneous Fees
7. Interim Catalog Updates (if applicable)
8. List of Administrative Staff
9. List of Faculty
10. List of Board Members

## **Approvals**

### **Accreditation**

Spartan College of Aeronautics and Technology is accredited by the Accrediting Commission of Career Schools and Colleges (ACCSC).

Accrediting Commission of Career Schools and Colleges  
2101 Wilson Blvd., Suite 302  
Arlington, VA 22201  
(703) 247-4212  
[www.accsc.org](http://www.accsc.org)

### **Home State Licensing**

Spartan College of Aeronautics and Technology is licensed to operate by the Oklahoma Board of Private Vocational Schools (OBPVS).

Oklahoma Board of Private Vocational Schools  
3700 North Classen Blvd., Suite 250  
Oklahoma City, OK 73118-2864  
(405) 528-3370  
<http://obpvs.ok.gov/>



Oklahoma State Regents for Higher Education: Spartan complies with Title 70 O.S. §4103 which allows the school to operate educational programs beyond secondary education in Oklahoma.

## **Federal Aviation Administration**

### **14 CFR Part 147 – Aviation Maintenance Technician Schools**

The campus holds an Air Agency Certificate to offer Part 147 training.  
Air Agency Certificate #CB9T054R

### **14 CFR Part 141 – Pilot Schools**

The campus holds an Air Agency Certificate to offer Part 141 training.  
Air Agency Certificate #DF2S766K

## **Additional Approvals**

U. S. Department of Education for participation in the Federal Student Aid Program. The institution participates in federal and state financial aid programs, and all consumer information that is required to be disclosed to students pursuant to federal and state financial aid programs is provided in the appendix of this catalog, on the website under “Consumer Information”, and via email distribution as required.

Department of Veterans' Affairs for Veterans benefits.

Student and Exchange Visitor Program (SEVP), a Department of Homeland Security (DHS), that administers the Student and Exchange Visitor Information System (SEVIS), authorizes the College to issue Form I-20 for the F-1 and M-1 student visas. These visas allow international students to participate in training programs for academic (F-1) or vocational (M-1) courses of study.

## **Out-of-State State Authorization**

Please see the Appendix (Out-of-State State Authorization) for complete information.

The following state(s) require additional disclosure in this section, in addition to the Appendix: **Tennessee:** Spartan College of Aeronautics and Technology is authorized by the Tennessee Higher Education Commission. This authorization must be renewed each year and is based on an evaluation of minimum standards concerning quality of education, ethical business practices, and fiscal responsibility.

## **Consumer Information**

Spartan College of Aeronautics and Technology will maintain, make available, and when required distribute consumer information items as listed below. These consumer information items provide details on the college and the financial aid programs available. These items are listed below with the appropriate office or document where the information can be located.

Consumer Information can be found on Spartan's webpage: Go to [www.spartan.edu](http://www.spartan.edu) and click on "Consumer Information" at the bottom of the page. Additional consumer information and disclosures are available throughout various Spartan publications, memos, and informational materials provided to prospective, new, continuing students, and Spartan employees.

### **Student Rights and Notice of Non-Discrimination**

Students have the right to an experience free from discrimination, harassment, and retaliation. The College does not discriminate based on race, color, religion, national origin, sex, gender, gender expression, sexual orientation, disability, or age in its programs, activities, policies, practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, and educational services. Discrimination and harassment are not tolerated at Spartan. Students who have experienced any form of discrimination or harassment should notify campus leadership immediately. The College will not condone retaliation for reporting violations of student rights.

The Dean of Student Affairs and Campus President have been designated to handle inquiries regarding non-discrimination policies including Title VI, Title VII, Title IX, The Americans with Disabilities Act (ADA), the Rehabilitation Act, Section 504, as well as claims of sexual harassment. The College is in compliance with Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973 (as amended).

Additional Information available in the section titled **Differently Abled Students**.

### **Distance Education (Online Courses)**

Spartan College is required to comply with various state and federal requirements related to instruction delivered via distance education (online). To comply with the requirements, the College is unable to offer distance education instruction in states where the College is not approved if that state requires such approval. Please refer to the College's website for state approval information.

**IMPORTANT:** If a student changes location from an approved state to an unapproved state, the student will most likely be unable to continue in the distance education program and may not be eligible for Federal Financial Aid (Title IV) funding. The student will still be responsible for all tuition, fees, and other charges incurred based on standard refund policy calculations.



The Spartan College list of approved distance education states can be found on the Spartan College website ([www.spartan.edu](http://www.spartan.edu)): Consumer Information > Tulsa, Oklahoma > Distance Education State Authorization List.

## Our History

Spartan College of Aeronautics and Technology was founded in Tulsa, Oklahoma as Spartan School of Aeronautics by W.G. Skelly, President of Skelly Oil Company, on September 27, 1928. He established Spartan Aircraft Company and formed the corporation which built Tulsa Municipal Airport (now called Tulsa International Airport). Mr. Skelly was convinced that air transportation would come of age and bring with it a need for skilled aircraft technicians and pilots; therefore, Spartan School of Aeronautics offered both mechanic and flight courses.

The Spartan School name became known on a national and international level. People came from all over the world to train at Spartan School of Aeronautics. During World War II and the Korean War, Spartan School of Aeronautics trained pilots and mechanics for our armed forces and allied forces, including the British Royal Air Force, while continuing expansion in the civil aviation field. Much of the credit for this period of expansion goes to J. Paul Getty, who acquired Spartan School of Aeronautics from Skelly in 1942.

In 1944, Mr. Getty formed Spartan Airlines, Inc. In 1945, Spartan School trained TWA pilots in instrument training and between 1945 and 1950, Spartan School of Aeronautics trained G.I. Bill students and United States Air Force mechanics. The aircraft company was involved in Cold War production. The ownership of Spartan School was maintained by Getty until 1968 when it was purchased by Automation Industries, Inc.

In the 70s and 80s, Spartan School of Aeronautics trained pilots and mechanics for airlines and countries including EVA Airlines based in Taiwan, Civil Air Defense Command for the United Arab Emirates and in the 90s pilots for Chinese airlines. In 1996, Spartan School of Aeronautics was awarded a five-year contract to train technicians for the United States Coast Guard.

In 2004, Spartan School of Aeronautics changed its name to Spartan College of Aeronautics and Technology. In December 2012, the College was acquired by Spartan Education Group, LLC (SEG).

In 2014, Spartan Education Group, LLC acquired Crimson Technical College in Inglewood, CA, which is in the Los Angeles area near Los Angeles International Airport (LAX). This location is separately approved from the Tulsa, OK location. The history of Crimson Technical College can be traced back to the late 1930s when California Flyers, Inc. School of Aeronautics was located at Mines Field which is now Los Angeles International Airport.

In 1942, Northrop Aeronautical Institute was founded by John K. Northrop (founder of Northrop Aircraft Company) and James L. McKinley (aviation educator and author of several aeronautical textbooks) to train allied military personnel in maintaining aircraft during WWII. After the war, the two schools merged and the campus was relocated to Inglewood, CA. In 1959, the name was changed to Northrop Institute of Technology and then again in 1975 to Northrop University. In 1991, Dr. James W. Rice and Mrs. Mary Alice Rice, founders of Rice

Aviation which had schools across the nation, acquired the Inglewood campus. This group of schools was considered to be the largest system of aircraft maintenance schools in the United States at that time under the name of Northrop Rice Aviation Institute of Technology (NRAIT).

In 2014, Spartan Education Group, LLC acquired Crimson Technical College, and in 2015, the College changed its name to Spartan College of Aeronautics and Technology.

In 2015, Spartan College, Inglewood, California, opened a branch campus located in Riverside, California, which is in an area known as Inland Empire. The campus is located on the historic Flabob Airport.

In 2016, Spartan Education Group, LLC acquired Redstone College located in Broomfield, Colorado near Denver. This location is separately approved from the Oklahoma and California locations. The Broomfield Campus was founded in 1965 as Colorado Aero Tech to offer airframe and powerplant training, and in 1989 expanded its curriculum to include avionics training. In 2000, the name changed to Westwood College of Aviation Technology. In 2006, Westwood College of Aviation Technology changed its name to Redstone College. After the acquisition by Spartan Education Group, LLC in 2016, the name was changed to Spartan College of Aeronautics and Technology in 2017.

In 2019, Spartan Education Group, LLC acquired McAir Aviation located in Broomfield, CO at the Rocky Mountain Airport. This location is separately approved and not accredited.

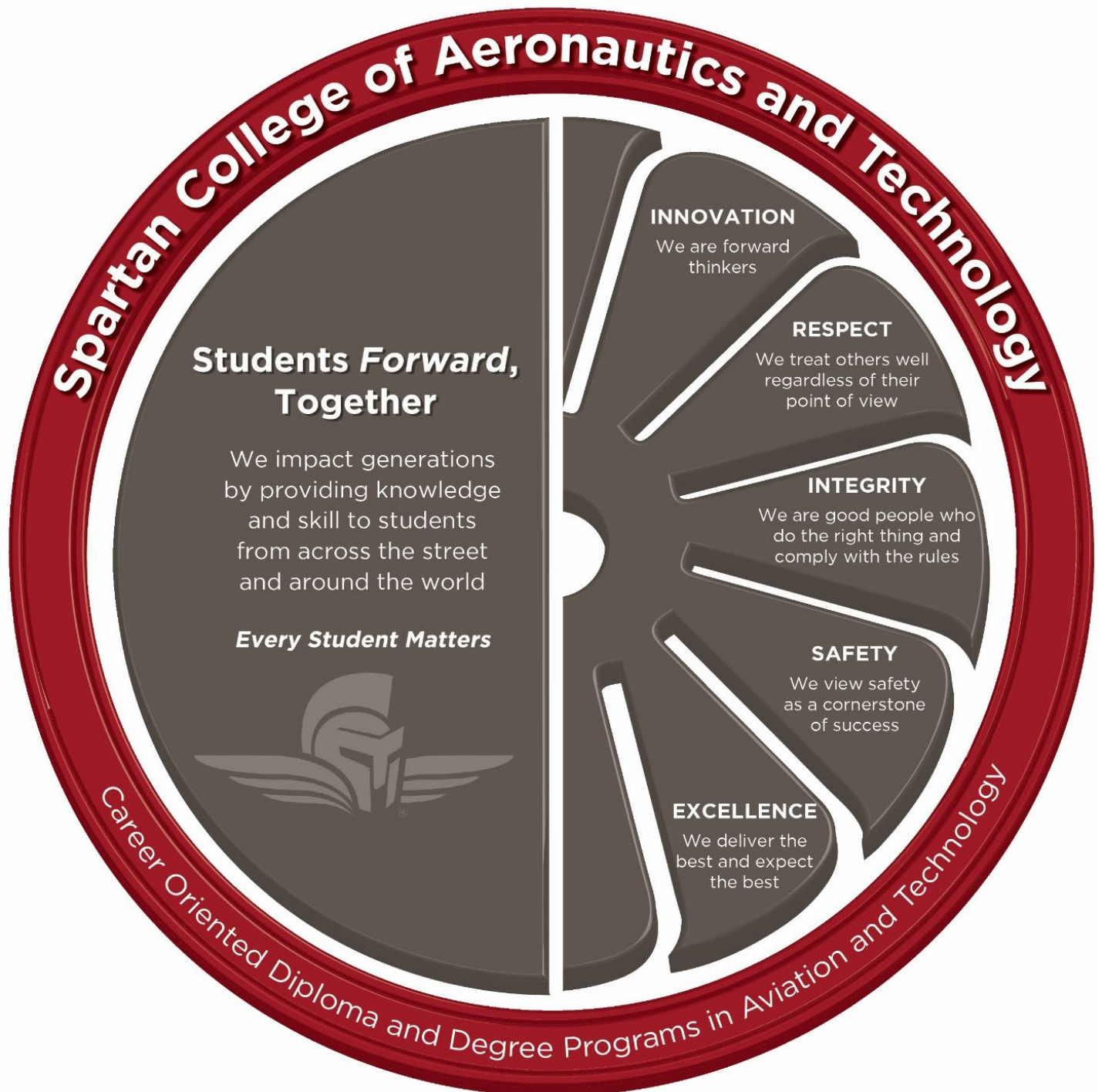
As a system, Spartan College of Aeronautics and Technology has trained more than 100,000 technicians and pilots since 1928. Spartan College is truly proud of its continuing contribution to aviation and related industries.

The Spartan College Black Cat symbol with the 13 signifies that “Knowledge and Skill Overcome Superstition and Luck”. The Black Cat was the original insignia of the Spartan College Dawn Patrol; its origin is an integral part of Spartan College’s history going back to 1929. Spartan College’s Dawn Patrol was promoted as an exclusive international body. The flight program located in Tulsa, OK provided cross country and formation flying training. The spirit that led to the formation of the Dawn Patrol was first evidenced by a group that called themselves the “Three Blind Mice.”



## Mission, Purpose, and Values

The mission of Spartan College of Aeronautics and Technology is to provide career-oriented diploma and degree programs in aviation and technology. We impact generations by providing knowledge and skill to students from across the street and around the world. We value innovation, respect, integrity, safety, and excellence.



## **Facilities and Equipment**

### **Administration**

Administrative offices for non-flight students are located on the main campus. Administrative offices for flight students are located at the flight facility.

### **Learning Resource Center (commonly called a “Library” or “LRC”)**

The Spartan College Learning Resource Centers (LRC) enhance the academic programs by providing students with resources that support and supplement the student’s study and research needs. The LRC is located on the Main Campus and supports all curricula. The facility provides reading areas for research and relaxation. Additionally, they are equipped with computers that are available for word processing requirements as well as internet access. Resources can also be accessed here: <https://spartan.follettdestiny.com/>

### **Testing Center**

The testing center is located at 123 West Cessna Drive, Tulsa, OK 74132. It is available for students to complete both practice and FAA written knowledge exams. Time slots are available by appointment only and can be obtained by emailing [tulsa.testingcenter@spartan.edu](mailto:tulsa.testingcenter@spartan.edu).

### **Student Groups**

1. Bachelor Students
2. Flight Students
3. “Technology” or “Tech” Students are enrolled in Aviation Maintenance Technology, Aviation Electronics Technology, Nondestructive Testing Technology, or Quality Control Management.

### **Aviation Maintenance Technology “AMT” (Diploma and AAS)**

CIP Code: 47.0607

Maximum student/instructor ratio: Lecture 30:1 and Lab 25:1

Type of instruction: On-ground with a hybrid delivery option available.

The technical facilities can accommodate approximately 2,100 students. Classrooms occupy in excess of 47,000 square feet and labs occupy an area of 123,000 square feet. Power, lighting, heating, ventilation and restroom facilities are provided for all buildings. Wall charts, cutaway units, audio-visual equipment, smart boards, miniature models, display boards and mock-ups are available for demonstration of principles and procedures. The Aviation Maintenance Training Department has various types of operational aircraft.

### **Aviation Electronics Technology “AET” (Diploma and AAS)**

CIP Code: 47.0609

Maximum student/instructor ratio: 30:1

Type of instruction: On-Ground with the option for online general education courses in the degree program.

The core electronics portion of the Aviation Electronics Program provides versatility in several different industries to include manufacturing of unmanned aerial vehicles, medical, oilfield, renewable energy, and other electronic technical fields. A theory based and hands-on combination offer training in electronic circuit testing and troubleshooting.

The program specialty classes provide shop, flight line testing, and repair facilities for navigation, communications, and radar equipment. The college maintains a supply of instruments and aircraft electronics for training purposes.

### **Nondestructive Testing Technology “NDT” (Diploma)**

#### **Quality Control Management “QCM” (AAS)**

CIP Code: 15.0702

Maximum student/instructor ratio: 30:1 on-ground and 35:1 online

Type of instruction: On-Ground with the option for online general education courses in the degree program.

Inspection equipment includes a wet horizontal magnetic particle machine, probes, yokes, 260 and 300 KVP x-ray tubes, radiation detection devices, ultrasonic and eddy current testers.

### **Aviation Flight (AAS)**

CIP Code: 49.0199

Maximum student/instructor ratio: Ground 20:1 and Flight 8:1 with 1:1 during flights

Type of instruction: On-Ground with the option for online general education courses in the degree program.

There are approximately 40,000 square feet of classroom, hangar and administrative space. Equipment and aircraft are available except during times of servicing and regularly scheduled maintenance. Real time weather information system is provided in flight operations. Interactive media materials, charts, cutaway models, smart boards, display boards, video and mock-ups support classroom instruction.

### **Technology Management (BS) Hybrid Delivery**

#### **Technology Management - DE (BS) 100% Online Delivery**

CIP Code: 52.0201

Maximum student/instructor ratio: 35:1

Type of instruction: On-Ground or online or a hybrid of the two

Courses are lecture based; therefore, no specific equipment is dedicated to the program.

## **Admissions**

### **Enrollment Procedures**

When you determine that Spartan College is your college of choice and before being admitted to any Spartan College program, a prospective student has an interview with an admissions representative. The admissions representative will collect all documents and the application fee (if applicable) and submit the documents for review. The College reserves the right to deny admission to any applicant and to change entrance requirements without notice.

Final acceptance and approval to begin college will take place once all admission requirements have been met, which includes approval of all required documentation. Students must meet all admission requirements prior to starting school.

All potential students are strongly encouraged to visit the campus. The decision regarding your education and training investment deserves a full understanding of factors such as the program curriculum, equipment, facilities, and location.

### **Entrance Requirements**

The College does not admit Ability to Benefit Students (students without a high school diploma or equivalent).

### **Academic Performance Requirement for Admission**

Applicants may document academic performance for admission to Spartan College in one of the following ways:

1. Applicant must be a high school graduate and provide a valid High Schools Diploma; or
2. Official High School Transcript from an accredited institution; or
3. Must have a high school equivalency certificate based on the General Education Development (GED) test, or a state recognized equivalent level of education (HiSET, CAHSEE); or
4. An Official post-secondary academic transcript from an accredited college or university recording attendance of an associate, bachelor, or master's degree (Applicant must have earned 18 or more credit hours of collegiate level coursework, have a CGPA of 2.0 or higher); or
5. In rare instances, students may not be able to provide documentation due to issues beyond their control (e.g., loss of records by high school due to fire or flood [verified through state agency] or home-schooled students). In these rare cases, a school may use an admission test in lieu of documentation of a high school diploma or its equivalent. Under these circumstances, the student must sign a statement attesting that he or she in fact obtained a high school diploma or its equivalent and state the reason(s) why documentation of the earned

credential cannot be provided. The admissions test used under these circumstances must be a standardized third-party exam (see list under “Basic Skills and Examination Scores”, as well as the GED or equivalent tests). Home schooled students must show proof of completing a state approved program. It is important to note that without an acceptable proof of graduation as defined by the U.S. Department of Education, a student may be ineligible to receive federal financial aid.

6. Please Note: An official copy of the military DD214 may be used as an official proof of high school graduation only if the document includes a specific graduation date.

### Basic Skills Requirement for Admission

Each applicant that may not be able to provide the proper documentation (as outlined above), must demonstrate proficiency in college level skills. These skills may be documented by any one of the following:

1. Submission of examination scores deemed appropriate by Spartan College for the chosen program of study, or
2. Attainment of scores appropriate for the chosen program of study on a placement examination administered by Spartan College (Note 2), or
3. Submission of required documentation indicating acceptable grades in college-level work completed at an accredited institution (a recognized accreditation agency under the federal DOE) may be submitted instead of examination scores.

Basic Skills Requirements	Program Min (TECH)	Program Min (FLIGHT)
<b>ACT Test</b>	14	16
<b>SAT Test (Verbal + Math) (Note 1)</b>	660	780
<b>Wonderlic SLE (Note 2, 3)</b>	12	22
<b>ASVAB AFQT General</b>	40	50
<b>Previous College</b>	18 Credits with CGPA > 2.0	18 Credits with CGPA > 2.0
<b>High School GPA (Note 3)</b>	N/A	3.0
<b>FAA Certification (Note 4)</b>		

Note 1:

Convert new SAT scores to the old format at:

<https://collegereadiness.collegeboard.org/sat/scores/understanding-scores/sat-score-converter>

Note 2:

Wonderlic SLE is required for all applicants who do not have a copy of the original high school diploma, an equivalency GED certificate, a homeschool certificate, or an official transcript indicating that he / she has fulfilled the requirements for graduation from high.

**Note 3:**

Flight program individuals with cumulative high school CGPAs of 3.0 (on a 4.0 scale) or higher are not required to take an entrance exam. Beginning with all July 2019 enrollments (application date not start date), the minimum admissions standards for Aviation Flight AAS changed. The two substantive changes were the increase in Wonderlic score from 17 to 22 and additional requirement for student below H.S. GPA of 3.0.

**Note 4:**

Successful completion of an FAA certification would result in basis for admissions. Federal Aviation Administration (FAA) credentials may include one of the following examples; Airframe and Powerplant Certification (FAA-147) or a Certified Flight Instructor Instrument (CFII).

### **Conditional Acceptance**

If a prospective student does not have proof of graduation or the equivalent at the time of enrollment, the enrollment and acceptance to the College are conditional. In order to begin classes, a student must meet all admission requirements and provide at a minimum an unofficial copy of proof of graduation or equivalent (i.e., unofficial transcripts). An unofficial copy must include proof of completion with a final graduation date.

### **Final Acceptance**

Once all admission requirements are met and unofficial proof of graduation is received, a School Official will countersign the enrollment agreement signifying formal acceptance to the College. If the proof of graduation or equivalent is not supplied prior to start, the enrollment agreement is cancelled. Additionally, official proof of graduation or equivalent is required within 30 days of starting class. Students without official proof of graduation or equivalent will be ineligible to continue classes and will lose the time and credits earned to that point.

### **On-Time Start Requirement**

#### **New Student**

All new students are required to start school by the first day of class. Classes are fast-paced and missing class time can place a student at a disadvantage.

#### **Returning Student and New Starts with Transfer Credits**

All returning students (re-entry within 365 days or re-enroll after 365 days) and new students with transfer credits are required to start school by the first day of class. Classes are fast-paced and missing class time can place a student at a disadvantage.

#### **Continuing Student**

All continuing students are held accountable to the course and program standard attendance requirements listed in the Academic section of this catalog. Missing classes

is highly discouraged and may negatively impact a student's grade or lead to additional sanctions imposed by the FAA in FAA approved programs.

## **Distance Education**

Prior to enrollment, the College will assess the student's capability to benefit from the distance education program, as well as computer technical skills, competencies, and access to technology required to succeed in a distance education environment. The student must obtain the minimum score for typing speed competency, or the minimum score competency on technical knowledge to enroll and must participate in associated advising prior to starting class.

## **Age Requirements**

### **Technicians (Part 147)**

While there is no age requirement to start the program, the FAA requires someone testing for certification to be at least 18 years of age.

### **Flight (Part 141)**

Students must be at least 17 years of age before being issued the Private Pilot Certificate and 18 years of age before being issued the Commercial Pilot Certificate.

### **Nondestructive Testing Technology/Quality Control Management**

Students must be at least 18 years of age prior to starting the Radiation Safety and Radiography course.

## **Federal Aviation Administration (Additional Requirements)**

### **Technicians (Part 147)**

To be eligible for a mechanic certificate and associated ratings, a person must:

- a) Meet the age requirement listed above and
- b) Read, write, speak, and understand the English language (14CFR Part 65.71)

### **Flight (Part 141)**

To be eligible for various FAA certifications and associated ratings, a person must:

- a) Meet the age requirement listed above and
- b) Read, write, speak, and understand the English language (AC 60-28)

To clarify the entrance requirements for the Aviation Flight Program, this list includes all requirements for items required prior to final acceptance, as well as items required prior to starting classes.

Aviation Flight Students must meet the following requirements prior to final acceptance to the College:

1. High School Graduate or Equivalent

2. Entrance Testing
  - a. Entrance testing is waived with a H.S. GPA of 3.0 or higher
  - b. A Wonderlic SLE score of 22 is required if:
    - i. H.S. GPA is below 3.0
    - ii. H.S. equivalent (i.e., GED)
  - c. Additional interviews by flight program leadership or designee required for:
    - i. H.S. GPA below 2.5
    - ii. H.S. equivalent (i.e., GED)
    - iii. International student

Additionally, to be eligible for various flight certificates, a person must satisfy the following items prior to starting class:

- a) Medical (Flight) – It is a requirement for students pursuing Aviation Flight to obtain a Class II Medical Certificate from an FAA medical examiner before starting classes. Flight students may contact the nearest FAA Office or the Spartan Admissions Department for a list of approved aviation medical examiners. Current flight medical must be maintained while attending; and
- b) Transportation Security Administration (TSA for Flight) – All U.S. Citizens and Nationals are required to show proof of U.S. Citizenship or National prior to the beginning of flight training. All flight students who are not U.S. Citizens or Nationals will be required to complete the registration process with the Transportation Security Administration for initial flight training, instrument and multi-engine training and should be accomplished prior to orientation. Registration is completed online at [www.flightschoolcandidates.gov](http://www.flightschoolcandidates.gov).

Aviation Flight Students must meet the following requirement within approximately the first 30 days of the program:

All enrollments must take the SmarterMeasures assessment and participate in associated advisement within approximately the first 30 days of the program. For students intending to take distance education coursework, the assessment, determination of online readiness, and associated advisement must occur as outlined above in the “Distance Education” section.

### **Bachelor of Science Programs (Additional Requirements)**

In addition to the standard admission requirements, to enroll in the bachelor programs (hybrid\* or 100% distance education\*):

Technical students (non-flight) are required to have one of the following:

- a. Diploma/degree completed and be working in or have previous experience in the technical field.

b. Federal Aviation Administration General, Airframe, and Powerplant Certification (147) and be working in or have previous experience in a the aviation or aerospace field. To validate work experience, students may be required to submit proof of work history.

Aviation Flight students must have one of the following:

- a. Private Pilot certification (PPC = 15 credits) completed and be currently enrolled in a flight training program leading to Certified Flight Instructor (CFI = 15 credits) rating at a partner affiliate flight school; or
- b. Certified Flight Instructor and/or Certified Flight Instructor Instrument (CFI/CFII = 30 credits total) rating; or
- c. Airline Transport Pilot license (foreign) (ATPL = 30 credits); or
- d. Airline Transport Pilot certificate (domestic) (ATP = 30 credits).

\*Distance Education (online) students must be located in a state where the College is approved to offer online courses. Please refer to both the list of these states and the related policy in the consumer information section of the College’s website for more information. Students who change locations to an unapproved location will not be able to continue in online courses. It is critical to understand where students can be located when taking online courses.

### **Foreign Transcript Verification (Domestic and International Students)**

All foreign transcripts must be translated and evaluated for U.S. equivalency by a National Association of Credential Evaluation Services (NACES) recognized agency or equivalent. The translation and evaluation process must be completed prior to enrollment and acceptance, as the College is unable to assess equivalency of a foreign education.

### **Visa Services**

The College offers F-1 and M-1 related visa services through the Student and Exchange Visitor Program (SEVP), a Department of Homeland Security (DHS). Visas allow international students to participate in training programs for academic (F-1) or vocational (M-1) courses of study.

### **International Students (Additional Requirements)**

More detailed information may be obtained from the admissions department.

- a) Applicants must have the equivalent of a U.S. high school education. See **Foreign Transcript Verification** for information related to translation and equivalency requirements. The College must receive the translated and evaluated information before the college can accept the student and issue a Certificate of Eligibility (I-20). All documents forwarded must be in English and list the date on which high school equivalency was attained.

- b) The applicant should have enough funds available to cover the cost of tuition and living expenses prior to and while attending Spartan College. U.S. government regulations require that documents be submitted with the application to prove students have adequate financial support.
- c) See section titled **English Language Requirement** in Admissions Policies.
- d) International applicants seeking to enter some programs are required to submit proof of a physical exam. Contact Spartan College’s admissions department for a copy of the approved physical form.
- e) All flight applicants who are not U.S. Citizens or Nationals will be required to complete the registration process and receive authorization from the Transportation Security Administration prior to beginning flight training. Register:  
<http://www.flightschoolcandidates.gov>.
- f) Students enrolling at Spartan College under contract with an international post-secondary institution or company must follow the requirements of the contract.

### English Language Proficiency Requirement

All instruction is in English.

Applicants from countries where English is not the primary language spoken and applicants whose native language is not English can demonstrate English language proficiency by providing proof of:

1. Completion of an intensive, accredited ESL program meeting one of the requirements listed in the table below, or
2. Meeting scores on exams in the table listed below, or
3. Completion of an accredited college program in the United States, or
4. Completion of a high school diploma or GED in the United States, or
5. Graduation from a school which uses English as the main language of instruction, or
6. Successful completion of an English language program of study and/or English language proficiency exam.

TOEFL Internet-based Test	Total of 61 or better
TOEFL Computer-based Test	Total of 173 or better
TOEFL Paper-based Test	Total of 500 or better

**OR Equivalent\* Test**

International Test of English Proficiency	iTEP	3.5 – 3.9
Common European Framework of Reference for Languages	CEFR	B2
International English Language Testing System	IELTS	5.5 – 6.5
The Pearson Test of English General	PTE General	Level 2
The Pearson Test of English Academic	PTE Academic	43 – 58
TOEIC - Test of English International Communications	TOEIC	600
International Civil Aviation Organization (ICAO) Language Proficiency Scale	ICAO	Level 4

\*Equivalencies by Boston Educational Services, LLC

Test results must be mailed to Spartan College directly from the test administrator or school. The Dean of Academic Affairs or designee will determine an applicant’s English proficiency

status. If an applicant can achieve the required test score, but is still having difficulties in reading, writing or comprehension of the English language, the student could be required to take a prescribed English language course concurrently or before attending Spartan College. In very limited cases, the College may admit a student who fails to meet these requirements in extraordinary and deserving cases. In these situations, the applicant must have demonstrated his or her proficiency in the English language prior to admission. Such exceptions will be appropriately documented.

### **English as a Second Language (ESL) Services**

The campus is approved for a separate ESL course. Please see information in the **Program Information** section of this catalog. In addition, English language tutoring is available for flight students.

## **Transferability of Credits**

### **Transferability of Credits OUT**

NOTICE CONCERNING TRANSFERABILITY OF CREDITS AND CREDENTIALS EARNED AT OUR COLLEGE. The transferability of credits you earn at Spartan College of Aeronautics and Technology is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the diploma or degree you earn in our educational programs is also at the complete discretion of the institution to which you may seek to transfer. If the credits 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 of 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 Spartan College of Aeronautics and Technology to determine if your credits will transfer.

The College does not guarantee the transferability of its credits to another institution unless there is a written agreement with another institution. If such agreements exist, information will be included in the following section.

### **Transfer or Articulation Agreements**

Spartan may have established articulation agreements with accredited post-secondary institutions across the country that offer courses comparable in scope and content to Spartan's coursework.

These articulation agreements identify specific coursework at these partner academic institutions that will be recognized as equivalent to coursework at Spartan College. Students who complete this coursework successfully at partner academic institutions will receive a grade of TR for the equivalent course at Spartan College. Credits cannot be awarded in excess of 50% of the total number of credit hours required in a program via a consortium, partnership, or

contractual agreement. Additional information about articulation agreements is available through the Dean of Academic Affairs.

### **Current Articulation Agreements**

None

### **Transferability of Credits IN (To Spartan)**

While not guaranteed, Spartan may accept transfer credit for a course completed at another accredited postsecondary institution when comparable in scope and content to Spartan's own coursework.

1. Credits must have been earned at an accredited postsecondary institution (accredited at the time the credits were earned) with grades of at least a 'C' or better.
2. For FAA course credits, the credits must come from an FAA approved program.
3. Regardless of any consortium, partnership, contractual arrangements, or the award of transfer credits or credits for prior learning experience, at a minimum, 25% of the required curriculum must be completed at this Spartan Campus.
4. Spartan cannot allow more than 10% of any program to be offered via an approved independent study. Students who transfer 75% of the required credits cannot be awarded credit for independent study in the remaining 25% of the curriculum. (Note: The College is currently not approving independent study.)
5. Credits cannot be awarded in excess of 50% of the total number of credit hours required in a program via a consortium, partnership, or contractual agreement.
6. Prior learning experience credit award may not exceed 50% of the total credit hours required to complete a program. See Prior Learning Experience Policy for more information.

Approved transfer credits will be documented in the student's file and recorded on the student's transcript with a TR for Transfer or PL for Prior Learning Credit. Older transcripts may reflect other codes, and CR is generally used for credits earned at Spartan previously or in other programs. The student's account balance is reduced accordingly through a credit to the student's ledger. Credits awarded become an official part of the student's record. Transfer and prior learning credits are not included in computing a student's cumulative grade point average (CGPA) but will be counted as credits attempted and credits earned when computing maximum time frame (see Maximum Timeframe Definition for Title IV aid).

Course equivalencies are matched through course descriptions to determine whether the minimum semester credit hours are met. The Dean of Academic Affairs in conjunction with registration services determine whether courses are appropriate for transfer to the College as specific equivalent courses.

Examples of General Education equivalencies should be in the following areas at the college level to be considered for transfer credit:

- a. Written Communication at 3 semester credit hours (Example: English Composition 1)
- b. Humanities at 3 semester credit hours (Example: American History)
- c. Natural or Physical Science at 4 semester credit hours (Example: College Physics)
- d. Social or Behavioral Science at 3 semester credit hours (Example: American Federal Government)
- e. Oral Communication at 3 semester credit hours (Example: Fundamental of Public Speaking)

Course evaluation, also includes the following:

- f. Grade: Minimum GPA 2.0 and/or C or better
- g. Credit for general education: Earned from an accredited post-secondary institution
- h. Relevancy: Must correlate to the subject matter of the Spartan course to be replaced
- i. Accreditation / Certifications: Relevant, accredited prior college credit and updated valid certifications in good standing
- j. Credit for Federal Aviation Administration Certifications or other non-general education course transfer, refer to the College Catalog Prior Learning Experience Policy
- k. Additional proficiency testing (bypass exams) may be required when applying credits to technical courses

### **Guidelines for Transferring Credit to Diploma or AAS Programs**

1. The Dean of Academic Affairs (or designee), in coordination with the academic department, determines whether courses and/or prior learning experience are appropriate/equivalent for awarding of transfer credit or credit equivalent to Spartan College. Registration services posts the approved credits to the permanent transcript.
2. Spartan's math and science classes have been designed to meet both the FAA required curriculum and academic general education standards; therefore, the courses may not match some previously completed college level math courses or other courses. A content and course level review is required to determine equivalency for any transfer or credit for prior versions.
3. Evaluations and approvals should be complete prior to the student starting school. Transcripts/certifications/licensures/etc. received after the first date of attendance may be considered at the discretion of the Dean of Academic Affairs.
4. Credit awards will not be awarded for a course after the student has attended the Spartan College course in question.
5. Course equivalencies must be matched through course descriptions (content) and meet the minimum semester credit hours.
6. The combination of courses is allowed if the combined courses meet the overall competencies of the course for which the transfer credit will be applied. For example, two math courses for three credits each could satisfy a four-credit math requirement if it is determined by course comparisons that the required competencies have been met.
7. Academic credits for all programs and courses are recorded in semester credit hours.
8. Minimum grades of A, B, C, or their numerical equivalent may be accepted from accredited postsecondary courses equivalent to the College's course or subject area (i.e., history, math,

etc.). Courses that earned lower grades or lower equivalent grades will not be accepted for transfer. Students wishing to transfer credits to Spartan must have official transcripts mailed or faxed from the previous college directly to Spartan's Office of the Registrar.

9. Advanced Placement (AP) is a program created by the College Board which offers college-level curricula and examinations to high school students. Earning a 3 or higher on an AP exam may qualify for course credit equivalent to the College's course or subject area (i.e., history, math, etc.) unless the Spartan course is designed to meet a specific requirement not met by an AP exam such as for a Federal Aviation Administration standard.
10. The College Level Examination Program (CLEP) is a group of standardized tests created and administered by the College Board. These tests assess college-level knowledge in many general education subject areas and provide a mechanism for earning college credits without taking college courses. The College may be able to award credit for successfully passing a CLEP exam equivalent to the College's course or subject area (i.e., history, math, etc.) unless the Spartan course is designed to meet a specific requirement not met by an AP exam such as for a Federal Aviation Administration standard.
11. See **Transferability of Credits IN (To Spartan)** and **Awarding Credit for Prior Learning Experience and Evaluation Criteria** for additional information and maximum allowable credits.

### **Aging of Transfer Credits or Prior Learning Experience**

No restrictions are placed on the age\* of most course transfer credits or prior learning experience if they meet the criteria for transferability, are obtained at an accredited postsecondary institution (and FAA approved program if applicable) at the time the credits were earned with grades of at least a 'C' or better, and all credentials must be valid and in good standing.

\*The College reserves the right to refuse credits for courses or equivalencies for certifications/licensures where the skills or information from the student's previous training or experience is outdated to the degree that a student would be at a disadvantage.

### **Awarding Credit for Prior Learning Experience and Evaluation Criteria (Formerly referred to as Advanced Standing)**

This policy is part of the Transferability of Credits IN (To Spartan) policy; therefore, for additional information, please refer to that policy.

While not guaranteed, Spartan may award credit based on an assessment of an incoming student's prior learning experience acquired outside of formal instructional or educational settings. Formerly called advanced standing credit, these prior learning credits may be awarded to those who hold industry certifications or licenses. All requests will be evaluated by the Dean of Academic Affairs (or designee) and the prospective student will be notified of those courses in which credit will be granted. All credentials must be valid and in good standing. Older

transcripts will reflect a TR, TC, or CR for approved “Advanced Standing Credits” while newer transcripts will reflect a PL for “Prior Learning Credit” awards.

Maximum: Prior learning experience credit award may not exceed 50% of the total credit hours required to complete a program.

Spartan has established the following Prior Learning Experience as eligible for review for potential credit awards under this policy:

1. Federal Aviation Administration certifications valid and in good standing at the time of review. FAA credentials may be used as prior learning experience for FAA141 and FAA147 programs only as specified by FAA guidelines (FAR Part 147.31 and/or FAR Part 141.77). The FAA does not recognize credit earned outside of the United States.
2. Related United States Military Training that meets FAA guidelines (FAR Part 147.31 and/or FAR Part 141.77). Current FAA regulations state that those with military training related to the Aviation Maintenance Technology Program and are seeking credit within that program are required to take bypass exams for training received. The veteran must submit a Joint Services Transcript or Community College of the Air Force transcript for evaluation. The transcript will be evaluated the Dean of Academic Affairs to determine which bypass exam will be allowed. All Bypass Exams must be taken by the date specified by the Dean of Academic Affairs and must be passed with a 70% minimum passing grade.
3. American Society for Non-Destructive Testing (ASNT) level 2 or higher ratings are eligible for review and consideration.
4. Other certifications, licenses, and prior learning experience may be eligible for review and consideration depending on whether the experience is comparable in scope and content to Spartan’s coursework.

Bypass Exams: The Aviation Maintenance Technology programs offered by Spartan are certified by the Federal Aviation Administration (FAA) under the Code of Federal Regulations 14, Part 147. The College uses bypass exams to measure whether a student has the required level of competency to be awarded credit for previous training. The cost of bypass exams, if applicable, can be found in the Catalog Supplement. Regulations establish the guidelines under which bypass exams may be given. Each Spartan campus is required to develop a Certification/Operations Manual that includes its procedure for administering bypass exams. This certification manual is approved by the FAA in the region in which the campus is located; therefore, there are slight differences between each campus on how bypass exams are administrated.

Prospective students seeking transfer credit or credit for prior learning experience must provide transcripts and course description from a certified/approved (FAA/NDT), accredited post-secondary school or certifications/licenses valid and in good standing to the Dean of Academic Affairs (or designee) at the campus in which attendance is desired. The Dean of Academic Affairs will evaluate the documents and determine if any credit will be given and whether any

bypass exams will be allowed/required. All bypass exams must be taken by the date specified by the Dean of Academic Affairs and must be passed with a 70% minimum passing grade.

### **Additional Flight Program Information**

The Aviation Flight program offered by Spartan is certified by the Federal Aviation Administration (FAA) under the Code of Federal Regulations 14, Part 141. This regulation establishes the guidelines under which credit may be given. The Tulsa Spartan Flight location is required to develop a Certification/Operations Manual that includes its procedure for allowing prior learning credit.

#### **Flight Courses**

1. An applicant with previous flight time or an FAA Pilot Certificate must provide to the Records Office copies of the FAA Certificate or rating that verifies completion of an FAA flight examination.
2. Credit will be awarded according to the "limitation" section of FAA FAR Part 141.77.
3. Applicants will be placed in the flight program according to their performance on a flight evaluation.
4. Use of this provision may prevent the candidate from accumulating the required credit hours for the issuance of a Reduced ATP (Airline Transport Pilot Certificate), which is not training or a certificate provided by Spartan.

#### **Ground Courses**

Based on evaluation, credit may be allowed per items (1) or (2) above for those persons transferring a private pilot certificate.

### **Transferability of Credits to Bachelor Level Programs**

Bachelor Programs follow the same requirements as the diploma and AAS programs except for the following differences.

The maximum transfer credit percentage (elective and non-elective) remains at 75% of the program. A student must complete at least 25% of the credits in the program through Spartan.

The B.S. in Technology Management program will only allow a **maximum of 30 elective credits**. For example, if you have an FAA A&P certification that could equate to 60 semester credits (not considering the 50% maximum for prior learning credits in a diploma program), you will only be awarded 30 credits towards your B.S. degree program.

Military Training: A maximum of 30 elective credits can be awarded for military experience through bypass exam(s) as permitted by FAA 147.31.

In addition to the standard transfer credit policy:

Elective credits may be transferred into the bachelor program after initial enrollment for flight training; however, please refer to the timely progression checkpoint rules below. **Technical elective courses (non-flight)** must be transferred prior to initial enrollment.

Non-elective credits approved for transfer into the bachelor program must be transferred before the course is scheduled in the student's program.

To ensure timely progression through the program, flight training elective credits must be transferred by these checkpoints.

- At least 15 elective credits within six months of initial enrollment (i.e. Private Pilot certification).
- Remaining 15 elective credits prior to completion of the final term (i.e. Certified Flight Instructor certification).

### **Prior Credit Policy for Veterans' Education Beneficiaries**

Students using VA education benefits must provide all transcripts and records of previous education and training to the College for evaluation of applicable credit towards Spartan program enrollment prior to enrollment or within the first term with approval by the Dean of Academic Affairs. Upon completion of the evaluation, the student will be notified of eligible transfer and/or prior learning credit(s). Eligible applicable course credit(s) will not be submitted to the VA for attendance, tuition and/or fee certification. A copy of all transcripts, education and training records with evaluation outcome(s) will be maintained in the veteran student's file. Failure to provide all transcripts, education, and training records for evaluation in a timely manner will delay certification of attendance, tuition and/or fees to the VA until such time these documents are on file. Program length will be reduced according to Spartan's Transfer of Credit and Prior Learning Experience Credit policies. The student's account balance is reduced accordingly through a credit to the student's account.

### **Appeals Process for Denied Transfer Credits or Prior Learning Experience Credits**

Students have the right to appeal the College's decision not to approve transfer credits or prior learning experience credits. Students may submit to the Dean of Academic Affairs a letter of appeal including any back up documentation that supports the claim. Appeals will be evaluated, and a response provided within 30 days.

### **Transfer Between Programs**

Students who desire to transfer programs within the institution must go through the Admissions process. Any previously earned credits will be reviewed by the Dean of Academic Affairs to determine whether transfer credits are available.

### **Transfer From Another School**

The College does not directly transfer a student from another school, whether the school is a Spartan affiliate or not. Students wishing to attend a Spartan College location will be a new

student and previous credits earned will be reviewed using the standard transfer credit policies and procedures

## **Student Finance**

Spartan College's Student Finance Department's purpose is to assist qualified students and their family in obtaining information regarding supplemental funding options to meet the cost of attendance. Financial aid (also referred to as Title IV funding) is considered secondary to the efforts of the student and their family in providing financial support. The goal is to provide help to students who would not be able to attend school without assistance. The student finance team is available to assist and advise students regarding tuition, financial aid, and general consumer information.

### **General Financial Aid Information**

Education is an investment in a student's future. While student loans can help some students meet education goals, over-borrowing has become more common today. It is imperative that students become educated regarding student loan debt. The definition of over-borrowing is when a student borrows more money than what is absolutely needed to pay for school.

There are ways to avoid borrowing more in student loans than necessary:

1. Working full or part time while attending school and making payments to the school while you attend classes.
2. Do you have family willing to send payments on your behalf to the school? Maybe a birthday or other holiday gift to help fund your education? Ask your family to invest in you.
3. Every year countless scholarships go unrequested because students don't take the time or make the effort to apply.

### **Student Loan Default**

Loans are required to be paid in accordance to the specific loan program policies. The College cautions all students from borrowing more than is necessary. Defaulting on loans will harm your credit and could result in garnished wages, loss of tax refunds, and other negative impacts. Responsible borrowing of the minimum needed to obtain your training and education can reduce the burden of repayment. At the time of repayment, if you find yourself having difficulty repaying your loans, call our Student Finance department for assistance in contacting the appropriate lender.

Always remember to stay in contact with the College even after leaving or graduating. We are here to help you navigate your loan repayment process. Many times, we can answer your questions or explain options. You will be responsible to repay loans obtained for educational programs. They are not treated the same as car loans, for example, and can cause you a great deal of financial heartache for years to come should you fall behind, or worse, fail to pay the loans back. Most federal loans enter default when payments are more than 270 days past due. Other loan types may default sooner.

Student loan default can mean the following:

1. Entire loan balance will be due in full immediately.
2. Collection fees can be added to the outstanding balance.
3. Up to 15% of an individual's paychecks can be taken every pay period.
4. State and Federal tax refunds can be seized.
5. Lose eligibility for future Federal Aid.
6. Lose deferment or forbearance options.
7. Outstanding fees and unpaid interest can be capitalized (added) onto the principal balance.

A defaulted student loan is one of the worst entries that can appear on a credit report. A default entry is far worse than late payments and can mean:

1. Denial of credit cards, car, home loan, or apartment lease.
2. Interest rates may rise on existing loans and credit cards.
3. Banks may refuse opening of a checking account.
4. Denial of a job due to poor credit.
5. Unable to obtain or renew a professional license.

Consult the Student Finance Office with any questions regarding repayment of loans and details about repayment plans.

### **Eligibility and Application Process for Financial Aid**

The types and amounts of financial aid are determined by financial need and available funds. Financial aid programs insured or sponsored by agencies of the United States government are available only to U.S. citizens or permanent residents. A full description of Federal Aid available can be found at <http://www.studentaid.ed.gov> under "Prepare for College."

To be eligible for financial aid, a student must:

1. Be enrolled as a regular student in an eligible program of study on at least a half-time basis (With the exception of Pell and FSEOG);
2. Have a high school diploma or the equivalent;
3. Be a U.S. citizen or national, or an eligible non-citizen. Verification of eligible non-citizen status may be required;
4. Have financial need (except for some loan programs) as determined by a need analysis system approved by the U.S. Department of Education;
5. Maintain satisfactory academic progress;
6. Provide required documentation for the verification process and determination of dependency status;
7. Have a valid social security number;
8. Not have borrowed in excess of the aggregate loan limits for the Title IV Financial Aid programs;
9. Be registered for the Selective Service, if required; and
10. Not owe any refund on a federal student grant or be in default on a federal student loan.
11. Not have a conviction for the possession or sale of illegal drugs for an offense that occurred while you were receiving federal student aid (such as grants, work-study, or loans). If you

have such a conviction, you must complete the Student Aid Eligibility Worksheet to determine if you are eligible for aid or partially eligible for aid.

## **FAFSA**

The amount of financial aid each student will receive is determined by completing the Free Application for Federal Student Aid (FAFSA). A need analysis based on the FAFSA determines the extent of financial need in a consistent and equitable manner by applying a federally approved formula. Family size, income, assets and other resources are evaluated to calculate the expected contributions from the student and possibly parents. The FAFSA should be completed as soon as possible. A new FAFSA is required for each award year, which begins on July 1 every year.

## **Determination of Financial Need**

The expected family contribution (EFC) is deducted from the student's cost of attendance (COA) for the academic year to determine the student's eligibility for need-based financial aid. The COA is referred to as the student budget and is comprised of tuition and fees, books and supplies, room and board, personal expenses, and transportation. Contact the Student Finance Office for specific figures related to the award year in question.

## **Academic Year and Full-Time Status Defined**

Financial Aid is awarded one academic year at a time.

An academic year is defined as 24 credits and 30 weeks, comprised of three, ten-week terms of instruction for technical and bachelor's programs; and fifteen, two-week modules/courses of instruction for the flight program.

A student that does not maintain full-time status may have financial aid disbursements adjusted accordingly. To be considered a full-time student at Spartan College:

Technical and bachelor's students must attempt a minimum of 8 credit hours each term and a minimum of 24 credit hours per academic year. Flight and online hybrid students must attempt a minimum of 24 credits per academic year.

Students must satisfactorily complete the credit hours and the designated number of weeks of instruction for the academic year to be eligible for advancement to the next award level.

## **Verification of Data**

Certain applicants are selected by the U.S. Department of Education for a process referred to as verification. Verification usually requires the submission of tax transcripts and other documentation. Students will be notified of their obligation to complete verification and the deadline for completing the process. Once verification is complete, the Student Finance Office will notify the student of any change in their award. No interim disbursements of federal financial aid will be made prior to the completion of verification.

As required by federal regulations, any suspected case of fraud with respect to Title IV student aid will be reported to the Regional Office of the Inspector General, or if more appropriate, local law enforcement agencies, to investigate the matter. Falsification of information on the FAFSA is considered a Federal Offense “If you purposely give false or misleading information, you may be fined up to \$20,000, sent to prison, or both.”

## **Renewal Process**

Students are responsible for timely completion of their financial aid paperwork. The individual student is responsible for knowing the renewal dates and the deadlines for submitting the paperwork. A FAFSA must be submitted each award year. Student and parent loans must be renewed each academic year. Student loans will be automatically renewed each academic year using the Master Promissory Note (MPN); however, parent borrowers must approve new loans in a written request prior to certification of new loans. The Student Finance Office is available to assist in the application process.

## **Types of Financial Assistance Programs (to those who qualify)**

### **Definition of Title IV Financial Aid**

Title IV Financial Aid is paid by the U.S. Department of Education and includes Pell Grants, Federal Supplemental Educational Opportunity Grants (SEOG), Stafford Loans, and Federal Direct-Plus Loans.

### **Pell Grants**

After the student submits the FAFSA, they will receive a Student Aid Report (SAR) or SAR Acknowledgement Form. The SAR will tell the student whether they are eligible for the Federal Pell Grant. The student’s SAR also determines eligibility for other federal financial aid programs. Pell Grants are awarded only to undergraduate students who have not earned a bachelor’s degree. The Pell Grant provides a foundation of financial aid to which other aid may be added. These grants do not require repayment once earned. Students are now limited to 12 semesters (or 600%) of Pell Grant eligibility during their lifetime. Students may view their percentage of Pell Grant used by logging onto NSLDS.ed.gov. Student’s “Lifetime Eligibility Used” will be displayed in the “Grants” section.

### **Federal Supplemental Educational Opportunity Grants (SEOG)**

The SEOG is a grant awarded to students demonstrating the most need. The minimum award of \$100 is given to all Pell Grant recipients who have an unmet need. The Student Finance department determines increased awards based on a student’s unmet need and generally when additional funds are necessary to cover direct costs.

## **Federal Student Loans**

As a reminder, the College urges students to borrow only the minimum needed to avoid future repayment struggles caused by “over-borrowing.”

### **Federal Direct Stafford Loan**

Low interest subsidized and unsubsidized loans are available from the U.S. Department of Education. The amount of funding available depends on the student’s academic level and dependency status. Loan fees may be deducted from the loan before it is disbursed.

A subsidized loan is awarded based on financial need. The student will not be charged any interest while loans are in school deferment status. The U.S. Department of Education pays the interest on a Direct Subsidized Loan while you’re in school at least half-time, for the first six months after you leave school (referred to as a grace period), and during a period of deferment (a postponement of loan payments).

An unsubsidized loan is not awarded based on need. The student will be charged interest from the time the loan is disbursed until it is paid in full. If the student chooses to allow the interest to accumulate, it will be capitalized. Accumulated interest while in school will then be added to the principal amount of the student’s loan quarterly or at the time repayment begins. Spartan uses the Master Promissory Note (MPN) for multi-year use for the Direct Stafford Loan Program. Once an MPN has been submitted, Spartan will award Stafford Loans throughout the student’s enrollment. Spartan will notify the student of any Direct Stafford Loan awarded by providing an award letter.

If the student would like to request changes to the Direct Stafford Loan awarded, they need to contact the Student Finance Office. Once the student withdraws, graduates, or drops below half-time status, a grace period of six months (can be less if previous dropped statuses exist, as the time is cumulative) is granted before repayment begins. Depending on the outstanding balance of all loans the student may have ten to thirty years in which to repay.

The US Department of Education’s 150% Rule for Subsidized Loans Effective as of July 1, 2013 students with a \$0 balance in loans will be limited to the amount of Subsidized Loans they can receive during their undergraduate career. A student who does not complete their program of study by the end of the 150% timeframe will have their subsidized loans converted to unsubsidized loans and the existing subsidized loans will begin to accrue interest for the rest of the time you’re in school and during the grace period. The loan will continue to accrue interest that will be added to the total amount you owe when repayment begins.

The first disbursement for a first-time student is not available until the student has been in school for 30 days.

### **Federal Direct-Plus Loan**

This low interest loan assists parents of dependent students whose need is not met by the Federal Stafford Loan program. The academic year limit is the cost of education minus any other financial aid. Repayment begins no later than 60 days after the loan is fully disbursed. Spartan uses the Master Promissory Note (MPN) for multi-year use of the Direct PLUS loan program. Parents must request an increase or additional loan amounts by email or in the form of a written request. A deferment (postponement of payments) can be requested by the parent if the student is enrolled at least half-time or for an additional six months after the student graduates, leaves school, or drops below half-time enrollment. During any time when you're not making payments, interest will accrue on your loan.

### **Alternative Loans**

Private loans that are not insured by the Federal Government are available from outside sources. These loans often require the student to have a co-signer who is credit worthy. Students may use these loans to pay for tuition not covered by Federal Student Aid or to assist with living expenses that are educationally related (depending on lender). Loan proceeds are usually made payable to the student and the college. Funds are made available to the student when all tuition obligations have been satisfied.

### **Veterans' Educational Benefits**

The School Certifying Official can provide general information on programs approved for Veterans' Affairs (VA) educational benefits and a general overview of how education benefits are disbursed. Spartan cannot advise any veteran on which education benefit to use. The Veteran and the VA will determine which VA educational benefit are most appropriate.

### **Scholarships and Grants**

Spartan College has internal scholarship and grant opportunities to assist in paying for college. Contact the campus Student Services Department or Student Finance Department for details and the application process. In addition, other scholarships in several areas of study are offered through outside organizations. A Spartan scholarship is a bona fide financial grant-in-aid to a qualified student that is issued for recognized and acceptable purposes that include specified criteria that a student must meet in order to be eligible for and receive the scholarship.

### **Federal Work Study (FWS)**

Student employment is available through the Federal Work Study program. This program offers employment opportunities on and off campus in the areas of Student Services and Community Services. Awards are based on the student's remaining unmet need. Positions are limited and openings are posted as they become available. Applications are submitted to the Career Services Office.

## **Satisfactory Academic Progress (SAP) for Financial Aid Eligibility**

The U. S. Department of Education mandates that students must be making Satisfactory Academic Progress (SAP) in their academic program to maintain financial aid eligibility. Given the nontraditional nature of Spartan College's educational programs, and the individual nature of each student's start date, Satisfactory Academic Progress will be measured based on the predetermined checkpoints (payment periods) in each program. Students not meeting SAP will be notified in writing.

### **Standards**

1. Cumulative Completion Rate Standard: A student must successfully complete greater than 66.6% of the total cumulative and transfer credits attempted to be making Satisfactory Academic Progress.
2. Cumulative Grade Point Average (CGPA) Standard: A student is required to maintain at least a 2.0 cumulative grade point average which is calculated by dividing total number of grade points earned by total credits attempted.
3. Maximum Time Frame Standard: A program of study must be completed within 150% of the number of credit hours required for graduation to maintain financial aid eligibility. The 150% is measured based on attempted credits and transfer credit if awarded. For instance, if a program consists of 50 credit hours for graduation, it must be completed within 75 attempted credits (50 credits x 1.5=75 credits).

### **Financial Aid Actions**

#### **Warning**

Once it is determined the student is not meeting SAP, s/he will be placed on Financial Aid Warning. Students will be notified of this status change. Generally, the student is expected to meet SAP standards by the end of next payment period. If this is not mathematically possible, exceptions may be made on a case-by-case basis. During a period of Financial Aid Warning, the student will retain his/her eligibility to receive Financial Aid. If SAP standards are not met by the end of the next payment period, the student will be placed on Financial Aid Suspension.

#### **Suspension**

Once it is determined that the student fails to meet SAP while on a Financial Aid Warning, the student's Financial Aid will be suspended. Any financial aid previously offered, awarded or reserved for ineligible students will be withdrawn. Withdrawn aid is not necessarily recovered even if the student's Financial Aid eligibility is later reinstated.

#### **Dismissal**

Any "Active" or "Probation" student that did not meeting all the required academic, financial, and/or conduct standards set by the college is withdrawn from the program.

## **Appeal and Reinstatement of Financial Aid Eligibility**

A student may appeal the suspension of Financial Aid eligibility based on extenuating circumstances supported by official documents. Extenuating circumstances are situations that create an undue hardship that caused the student's inability to meet Satisfactory Academic Progress standards. Examples of extenuating circumstances include but are not limited to death of an immediate family member, divorce, injury or illness.

To appeal, a student must submit the SAP Appeal Form within 14 days along with official documentation to the Director of Student Finance. The appeal will be evaluated within 10 days of receipt. The student will be given a time to meet with the director and/or an Appeals Committee to present his/her appeal. Upon review, the student will be notified of the appeal decision.

If the appeal is approved, the student will be placed on Financial Aid Probation. During a period of financial aid probation, the student will retain his/her eligibility to receive financial aid. An Academic Plan may be required.

A student may choose to continue their education without federal funding (making cash payments) until they meet the standards used to determine Satisfactory Academic Progress for financial aid eligibility. However, it is possible that not meeting SAP can impact the student's ability to earn the credential (degree or diploma) for the program depending on the final academic SAP standing.

A student may apply to have their financial aid reinstated once they begin meeting Satisfactory Academic Progress standards. Additional information regarding financial aid eligibility is available in the Student Finance Office.

## **Cancellation, Withdrawal, and Refunds**

If a student obtains a loan to pay for an educational program, the student will have to repay the full amount of the loan plus interest, less the amount of any refund. If the student receives federal student financial aid funds, the student is entitled to a refund of the monies not paid from federal financial aid funds.

Specific information regarding any applicable third-party funding agency refund or return of funds policies (i.e., Title IV, Veterans Administration, WIA, etc.) may be obtained from the Student Finance Department.

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

Students not accepted to the school are entitled to all monies paid.

Students who cancel this contract by notifying the school within seven (7) calendar days are entitled to a full refund of all tuition and fees paid. Students, who withdraw after seven (7)

calendar days, but before commencement of classes, are entitled to a full refund of all tuition and fees paid except the application fee (if applicable). In the case of students withdrawing after commencement of classes, the school will a percentage of tuition and fees, which is based on the number of days attended. The refund is based on the official date of determination (DOD). See **Definition of Withdrawal or Termination Date**.

### **Postponement of Start Date**

Postponement of a starting date, whether at the request of the school or the student, requires a written agreement signed by the student and the school. The agreement must set forth:

- a. Whether the postponement is for the convenience of the school or the student, and;
- b. A deadline for the new start date, beyond which the start date will not be postponed.

If the course is not commenced, or the student fails to attend by the new start date set forth in the agreement, the student will be entitled to an appropriate refund of prepaid tuition and fees within 30 days of the deadline of the new start date set forth in the agreement, determined in accordance with the school's refund policy and all applicable laws and rules.

### **Discontinued Class or Program/Special Cases**

If a class or program is discontinued by the College while students are still enrolled in that class or program, and the College is still in operation, all monies paid to the College at the time of discontinuation shall be refunded to the entity legally entitled to the refund unless the College ceases operation. A school shall have thirty (30) days to restart the class or pay. In case of student prolonged illness or accident, death in the family, or other circumstances that make it impractical to complete the course, the school shall make a settlement which is reasonable and fair to both.

### **Determining Withdrawal or Termination Date**

#### **Definition of Date of Determination (DOD)**

The College uses DOD as the final date of withdrawal (also referred to as the termination date). The DOD is calculated in one of the following ways:

1. The date a student begins the school's withdrawal process or the date the student otherwise provided official notice in writing or orally to a designated school official in an official capacity (school documents oral notification in the system of record). If both dates are triggered, use the earlier date.
2. Should a student fail to notify the school of their withdrawal and stops attending, the effective date of determination should be no more than 14 days from the students last day of attendance.
3. Should a student fail to return from an excused leave of absence, the effective date of termination for a student on an extended leave of absence or a leave of absence is the earlier of the date the school determines the student is not returning or the day following the expected return date.

### **Definition of Last Date of Attendance (LDA)**

- A. The last day the student attended class in courses in which attendance is taken by an instructor;
- B. The last day on which a student actively participated in an online class which attendance is not regularly taken.

### **Financial Impact of Changing Programs or Withdrawal**

Be advised that changing programs or withdrawing from classes will adversely impact Title IV financial aid.

### **Withdrawal (Official) by Notification from Student**

The Registrar's Office is the official authority within the College designated to accept withdrawal notification. If a student communicates to the registrar's office they are withdrawing, that is considered an official notification. The date the office receives notice (verbal or written), is the withdrawal date and the date of notification to the school.

### **Withdrawal (Unofficial) Without Notification from Student**

If a student ceases attendance without providing official notification, the student's withdrawal date will be no later than 14 days after the last day of academic attendance as recorded by Spartan's academic records.

### **International Student Withdrawal**

If an international student does not attend classes without just cause for a period of 14 days or if a student is suspended or expelled by Spartan College, the U.S. Immigration Service will be notified of the student's non-attendance and the student must leave the U.S. within 15 days of termination. If the student wishes to resume attendance at Spartan College, he or she must apply to the INS to be reinstated to student status.

### **Maximum Timeframe (Credits)**

Students must complete the entire program within one-and-one-half times (150%) the standard program length, which is defined by the college as the total number of credit hours in the program. Should a student exceed the 150% maximum credit requirement, s/he will be dismissed. Spartan College, as directed by the federal government, does not allow students who do not raise their Cumulative Grade Point Average (CGPA) or completion rates of progress to the necessary minimums to continue to receive federal financial assistance regardless of the students' circumstances.

### **Maximum Timeframe (Time in Months)**

ACCSC, the College's Accreditor, defines maximum timeframe for the purposes of annual reporting as 150% of the program length, not the program credits. A student may still graduate if s/he completes after 150% of program length, but within 150% of program credits; however,

the student will be counted as a withdrawal solely for the purposes of the accreditor's required annual reporting.

### **Refund Timeline**

Any refunds due to Federal Title IV funding sources (as calculated in the "R2T4") or monies due to applicants or students ("Institutional Refunds") shall be refunded within 30 days from the student's official date of determination (DOD).

### **Refund of Non-Tuition Fees (Merchandise)**

A student may return his/her merchandise to the college only if the items meet the following criteria and if returned within twenty (20) days of originally receiving the materials:

**Computer:** Spartan College student issued laptops/notebooks contain proprietary academic content. The laptop may be returned prior to registering the computer. The registration triggers the warranty and software license. If the laptop was registered and the pre-loaded software and/or any other licensed software is initiated, the computer cannot be returned.

**Toolkit:** A toolkit may be returned if the tools have not been used. The toolkit must contain the complete and original inventory of tools issued.

**Uniform Pack:** A uniform pack may be return if unopened (including all properly tagged original contents).

**Textbooks:** Hard copy textbooks may be returned prior to removing wrapping (if applicable) and without any markings, highlights, or any other physical damage.

**Insurance:** Once a student starts school, insurance refunds are prorated based on the percentage of school s/he attended.

### **Refund Repayments / Return to Title IV (R2T4)**

This policy applies to all recipients of Federal Title IV Financial Aid funds. Students that are no longer attending Spartan College may still owe funds to the College to cover unpaid tuition. Additionally, Spartan may attempt to collect any funds from a student that the College was required to return as a result of this policy.

Spartan will calculate how much federal aid may be retained or disbursed for a student who withdraws prior to the end of a payment period. The calculated amount is referred to as "Return of Title IV Funds" (R2T4). The calculation of Title IV funds earned by the student has no relationship to the student's tuition and fees that may be owed to the College. All students subject to this policy will have their eligibility calculated according to the following definitions and procedures as prescribed by regulation. Regulations require schools to perform calculations within 30 days from the date of determination (DOD).

This refund policy applies only to tuition. See **Refund of Non-Tuition Related Fees** for information related to books, tools, and other items.

### **Withdrawal Before 60%**

Spartan must perform an R2T4 to determine the amount of earned aid up through the 60% point in each payment period and 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 or period of enrollment, a student has earned 100% of the Title IV funds he or she was scheduled to receive during the period.

### **Withdrawal After 60%**

For a student who withdraws after the 60% point-in-time, there are no unearned funds. However, the College will still calculate eligibility for a post-withdrawal disbursement.

### **Special Circumstances**

Special cases. In case of documented student prolonged illness or accident, death of immediate family, or other circumstances that make it impractical to complete the course, the school shall make a settlement which is reasonable and fair to both.

### **Post-Withdrawal Disbursement**

If a student earned more aid than was disbursed to him/her, the student may be eligible for a post-withdrawal disbursement. Spartan will notify the student in writing if he/she is eligible for a post withdrawal disbursement of Title IV loan funds.

A student or parent borrower must first confirm in writing whether he/she accepts/declines all or some of the loan funds offered as a post-withdrawal disbursement. A post-withdrawal disbursement of Federal grant funds does not require student acceptance or approval. Spartan will seek the student's authorization to use a post-withdrawal disbursement for all other educationally related charges in addition to tuition and fees. Any money owed to the student will be mailed to the address on file within 45 days of the date of determination.

### **Calculating Return to Title IV (R2T4)**

Title IV funds are earned in a prorated manner on a per diem basis up to the 60% point in the payment period. The payment period for students in credit-hour programs will be equal to the total days in a Term. Title IV aid is viewed as 100% earned after the percentage exceeds 60%. The College will determine the earned and unearned Title IV aid as of the date the student ceased attendance based on the amount of time the student was scheduled to be in attendance.

In accordance with federal regulations, when Title IV financial aid is involved, the calculated amount of the R2T4 Funds is allocated in the following order: Unsubsidized Direct Loans, Subsidized Direct Loans, Direct PLUS loans received on behalf of the student followed by Federal Pell Grants, SEOG and other grants or assistance authorized by Title IV of the Higher Education Act.

If this amount is greater than the total Title IV aid disbursed for the payment period, a Post-Withdrawal Disbursement will be calculated; if the amount is less than the amount of Title IV aid disbursed, the difference will be returned to the Department of Education.

When VA Funds are included in refund calculation refer to VA policy for detailed information. The College will notify the student in writing of the amount and type of any financial aid funds that must be returned.

### **Example: Title IV Return of Funds Calculation for a Title IV Recipient Who is Considered to Have Withdrawn**

Institutional Charges	\$5,000
Title IV Loans	\$2,000
Title IV Grants	\$1,000
Total Title IV aid	\$3,000

Student withdrew on 35th day of a 110-day payment period.

Percent Earned  $35/110 = 32\%$

Percent Unearned  $100\% - 32\% = 68\%$

Amount of Title IV aid unearned  $\$3,000 \times 68\% = \$2,040$

Spartan College is responsible for returning the lesser of unearned Title IV aid (\$2,040 from above) or unearned institutional charges ( $\$5,000 \times 68\% = \$3,400$ ).

Spartan College will return aid as follows:

- Title IV Loans \$2,000 (students remaining loan debt = 0)
- Title IV Grants \$40

### **Student's Responsibilities Regarding the Return of Title IV Funds**

Become familiar with the Return of Title IV Funds (R2T4) policy and how withdrawing from courses impacts eligibility for Title IV aid. Be sure to resolve any outstanding balance owed to Spartan resulting from a required return of unearned Title IV aid and/or any repayment to the U.S. Department of Education as a result of an overpayment of Title IV grant funds. Your responsibility is the amount of aid not earned after the College's responsibility. You will be responsible for repaying any unearned aid that you were not entitled to receive.

## Institutional Refunds

### Definition of Institutional Refunds

Institutional refunds are non-Title IV refunds made to agencies and/or the student (or applicant) after the return of Title IV funds to the U.S. Department of Education.

### Policy for Institutional Refunds

Non-title IV refunds will be made within 30 days from the date of termination. See **Definition of Withdrawal or Termination Date**.

### Refund Table for Institutional Refunds

Refund Table

Student is entitled to upon withdrawal/termination *	Refund †														
<p><b>Eligible Refund:</b> Pro rata calculation of the total days attended weighted against the total days required to complete the current academic year (Payment Period), not to exceed 75%. The pro rata ratio is assessed to the total tuition, fees, and qualifying cost.</p> <p><b>Example:</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Course Total</td> <td style="text-align: right;">25 Days</td> </tr> <tr> <td>Attended</td> <td style="text-align: right;">05 Days</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td>Pro Rata Ratio</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Tuition, fees, &amp; qualifying cost<sup>†</sup></td> <td style="text-align: right;">\$2500</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td><b>Eligible Refund Amount</b></td> <td style="text-align: right;"><b>\$2,000</b></td> </tr> </table> <p>The refund ratio is reliant on the academic time completed, if the student completed 31% of the Academic Year (Payment Period), then 31% of the cost will be retained.</p>	Course Total	25 Days	Attended	05 Days	<hr/>		Pro Rata Ratio	20%	Tuition, fees, & qualifying cost <sup>†</sup>	\$2500	<hr/>		<b>Eligible Refund Amount</b>	<b>\$2,000</b>	<p>75% or less – Cancellation of tuition, fees and eligible charges<sup>†</sup> will equal the calculated ratio.</p>
Course Total	25 Days														
Attended	05 Days														
<hr/>															
Pro Rata Ratio	20%														
Tuition, fees, & qualifying cost <sup>†</sup>	\$2500														
<hr/>															
<b>Eligible Refund Amount</b>	<b>\$2,000</b>														
<p>A student that has completed 75% or more of the total number of days/hours required may not be refund eligible.</p>	<p>NO Refund</p>														
<p>* <i>The above calculations are performed on an academic year (payment period) basis as determined by the date period in which a student withdrew. All charges are based on the contract price of the program.</i></p>															
<p>† <i>Exclusive of books, tools, and supplies</i></p>															
<p><i>The policy for granting credit for previous training shall not impact the refund policy.</i></p>															
<p><i>All programs, including Distant Education, follow the same refund policy.</i></p>															

### Students Called to Active Military Service

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

1. 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;

2. 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
3. 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:
  - a) Satisfactorily completed at least 90% of the required coursework for the program; and
  - b) Demonstrated mastery of the program material to receive credit for completing the program.

### **Veterans’ Education Beneficiaries**

The cancellation, termination, withdrawal and refund policies are applicable to all students, regardless of whether they receive VA education benefits or not. If you receive VA benefits and withdraw from one or more of your courses after the end of the school's drop period, the VA may reduce or stop your benefits on the date of reduction or withdrawal. If you withdraw from a course after the end of the drop period, you may have to repay all benefits for the course. For further detail please refer to the education benefits website [www.gibill.va.gov](http://www.gibill.va.gov).

## **Academic Information**

### **Academic Advising**

Academic advising is an essential part of the educational services offered by Spartan College. It is intended to interpret, enhance and enrich the academic programs the College offers its students. The Dean of Academic Affairs and/or program chair or designee are the designated academic advisor for each program. If you are struggling academically or failing to meet Satisfactory Academic Progress (SAP), it is imperative to your success that you meet with an academic advisor to develop a plan for tutoring and other options to assist you.

### **Standards of Student Achievement/**

#### **Satisfactory Academic Progress (SAP) for Academic Eligibility**

Spartan College’s grade policy requires students to maintain a cumulative 2.0 CGPA. Students not maintaining a 2.0 CGPA are in danger of not completing the program within the 150% timeframe; therefore, academic student progress will be reviewed at key checkpoints throughout the program.

Academic advising will be provided as needed to help ensure students can meet program completion within the 150% timeframe. Students not meeting Satisfactory Academic Progress

and/or are in danger of exceeding the 150% timeframe requirement will be notified by the financial aid department and/or the academic department and are required to meet with an academic leader to develop a plan to promote persistence to graduation. As part of academic progress advising, students may be placed on academic probation status (in addition to various financial aid warning and probationary statuses) for a period to monitor improvement.

Student progress will continue to be monitored at the end of each term. If the student reaches a point where s/he cannot complete the program with a minimum 2.0 CGPA and within 150% of the program credits, the student's education will be terminated (Dismissed) and the student withdrawn from school. Students who meet the minimum 2.0 CGPA requirement but exceed the maximum timeframe in credits may be allowed to continue. At this point, the student is ineligible for Title IV financial aid unless the proper appeals process has been followed, and the student has been granted an academic plan, and approved to continue receiving Title IV until the next monitoring period.

### **Standards to Determine SAP**

1. Cumulative Completion Rate Standard: A student must successfully complete greater than 66.6% of the total cumulative and transfer credits attempted to be making Satisfactory Academic Progress.
2. Cumulative Grade Point Average (CGPA) Standard: A student is required to maintain at least a 2.0 cumulative grade point average which is calculated by dividing total number of grade points earned by total credits attempted.
3. Maximum Time Frame Standard (credits): A program of study must be completed within 150% of the number of credit hours required for graduation to maintain financial aid eligibility. The 150% is measured based on attempted credits including transfer credit if awarded. For instance, if a program consists of 50 credit hours for graduation, it must be completed within 75 attempted credits ( $50 \text{ credits} \times 1.5 = 75 \text{ credits}$ ).
4. Maximum Time Frame Standard (time): Students graduating within 150% of credits but exceed 150% of time are considered graduates; however, for the purposes of the ACCSC accretor's annual report, these students are counted as withdrawals.

### **Academic SAP Related Actions**

In addition to the Financial Aid SAP related actions of financial aid warning, financial aid probation, and SAP dismissal, a student may be placed on an academic probation for not meeting minimum expectations of academic performance and/or attendance. Once the student reaches acceptable academic performance and/or attendance as outlined in this catalog and as determined by the Dean of Academic Affairs, the student will be removed from academic probation.

### **Grading Criteria**

Students receive a final grade at the completion of each course. Refer to the course syllabus to determine the specific requirements.

A minimum passing score of 60% is required in the following courses:

1. General education\* courses such as history, English, etc.

A minimum passing score of 70% is required in the following courses:

1. All courses **except** general education\* (such as history, English, etc.) and FAA Part 141 Private Pilot, Instrument, and Commercial courses.
2. FAA Part 141 ground courses

A minimum passing score of 80% is required in the following courses:

1. FAA Part 141 Private Pilot, Instrument, and Commercial courses

\*MAT1001 and PHY 1001, for all FAA technical courses, require a minimum score of 70%. Many courses at Spartan College are part of FAA approved curriculum and require a minimum passing score of 70%. Refer to the course syllabus to determine the grading scale used.

### Grade Scales

At the conclusion of each course, students may request a printed copy of their grades and/or attendance record. The final course grade is calculated with a numeric value and translated into a letter grade (see chart below) which is recorded on the transcript.

Courses Requiring 60%		Courses Requiring 70%		Courses Requiring 80%	
Grade	Percentage	Grade	Percentage	Grade	Percentage
A	90-100	A	90-100	A	90-100
B	80-89.99	B	80-89.99	B	80-89.99
C	70-79.99	C	70-79.99	F	0-79.99
D	60-69.99	F	0-69.99		
F	0-59.99				
AU	Audit	AU	Audit	AU	Audit
CR	Credit	CR	Credit	CR	Credit
I	Incomplete	I	Incomplete	I	Incomplete
PL	Prior Learning Credit	PL	Prior Learning Credit	PL	Prior Learning Credit
R	Repeat	R	Repeat	R	Repeat
TR	Transfer	TR	Transfer	TR	Transfer
W	Withdrawal	W	Withdrawal	W	Withdrawal
WP	Withdrawal - passing	WP	Withdrawal - passing	WP	Withdrawal - passing
WF	Withdrawal - failing	WF	Withdrawal - failing	WF	Withdrawal - failing

### Grade Change

All student grades are considered final when recorded by the campus records office. Any grade change must be made within 30 days after the end of the course in which the grade was earned. All grade change requests (appeal or correction) must be submitted in writing to the campus Registrar within 10 days from the conclusion of each course. Grade changes must be approved by the Dean of Academic Affairs. See campus Registrar for additional information.

### Definition of Course Term

Term beginning and ending dates for each program are listed in the Catalog Supplement. A course term refers to a period required for the completion of one full course.

Generally, the term period is:

The course term is 19 class days for the technical programs and 10 weeks for the online courses.

### Withdrawn Course Grading

1. W (Withdraw) means that a student withdrew from a course within the first 79% of the course.
2. WP (Withdraw Passing) means the student completed at least 80% of the course and was passing at the time of withdrawal.
3. WF (Withdraw Failing) means the student completed at least 80% of the course and was failing at the time of withdrawal.

### Honors

#### Academic

Active students who have demonstrated high scholastic achievement during the calendar quarter are recognized by Spartan College. To be considered for quarterly academic recognition, students must earn a minimum 12 credit hours in the quarter and achieve a minimum required CGPA for the quarter:

4.0 CGPA	President's Honor Roll
3.50 – 3.99 CGPA	Dean's List

#### Attendance

Active students who have maintained perfect and nearly perfect attendance are recognized by Spartan College.

100% Attendance	Perfect Attendance
95% Attendance	95% Attendance

Graduation Honors are explained in **Graduation and Required Levels of Performance**.

### Failures and Course Repeats

When students fail a course based on the appropriate grade scale, they will be scheduled to repeat that course as soon as possible. If the course is a prerequisite to the next course, then the failed course must be repeated before progressing. If, however, there are other course options before taking the course requiring the pre-requisite, then it may be possible to progress before repeating the course.

If a student fails a single course three times, the student will be placed on academic suspension for a period of one academic year and expected to address deficiencies. After one academic year the student may appeal to return.

Students with extenuating or unusual circumstances that would like to request an additional attempt without the waiting period (an attempt is considered either failing or withdrawal from the course prior to completion) should refer to the section titled **Reinstatement after Suspension or Termination**.

### **Retesting Policy**

All students are expected to attend all class sessions. Students are also expected to complete all tests, quizzes, and projects as defined in the Syllabus of Instruction for each course attended by the end of the assigned course ending date. Students may be allowed to make up missed work (labs, exams or quizzes) at the discretion of the Dean of Academic Affairs or designee. There are no fees associated with any make-up work approved by the Dean of Academic Affairs or designee. For the purposes of this policy, failed work (exams, quizzes or lab projects) is not considered as make-up work.

### **Make-up Policy**

For FAA part 147 classes there is a specific requirement that students complete all exams and lab projects. Failure to do so will require the student to repeat the course of instruction. There is also specific attendance (time) requirements that must be maintained in all FAA approved classes. Students exceeding the allowable missed time limit may be required to repeat the course; however, there are certain exceptions to exceeding the maximum time allowed. These exceptions are outlined in Spartan's FAA Part 147 Certification Manual. If a time exception is granted, the student will be required to make up all time missed back to the allowable limit as well as all exams and labs requirements. These exceptions are reviewed, granted or denied by the Aviation Maintenance Technology Department Chair in coordination with the Dean of Academic Affairs.

**FAA Make up time varies based on each campus location Flights Standards District Office (FSDO), see course syllabi.**

### **Class Schedule Changes and Course Changes**

Course schedule change requests must be submitted in writing to the Dean of Academic Affairs for approval at least two weeks prior to the requested effective date. Changes to class schedules may result in future class schedule conflicts, which could extend the student's projected completion time frame or graduation date.

In the event that a course has a non-substantive change to the course code, course name, or minor variations in course content, the newest course version may be substituted for the old version. In these cases, course credit or clock hours will remain the same as the previous course version.

### **Taking Additional Courses**

If a student has at least a 2.5 CGPA after completing one academic year, and scheduling permits, a request may be made to enroll for one course above the normal full-time schedule each term. Such overload scheduling is subject to class availability, financial status, and must

be approved on a term-by-term basis by the Dean of Academic Affairs, records office, and Director of Student Finance.

### **Incomplete Coursework**

On rare occasions, owed time and incomplete class assignments may extend beyond the end of the term. This can only happen with the express permission of the Dean of Academic Affairs. The student's grade card will be noted with an "I" for incomplete as the final grade. The "I" grade will be excluded from calculation of cumulative grade point average (CGPA). All time owed and incomplete class assignments must be made up in accordance with department instructions. If a student fails to make up time missed or fails to complete class assignments within the approved timeframe (usually between a few days and one course term depending on the amount of time or work needed), the student will be awarded an "F" for the respective course.

### **Incomplete Coursework (Flight Only)**

When a student has not completed required flight hours by the end of the course, a grade of Incomplete ("I") may be granted upon approval of the Chief Pilot or their designee. Reasons for an Incomplete may include illness, fulfilling reserve duty, bad weather, mechanical issues, leave of absence, and so forth. All remaining flight hours must be completed within the following extension term, but do not necessarily require an entire term to complete. If a student does not complete the hours within this approved timeframe, the student will be awarded an ("F") for the respective course and may be eligible to re-take the course.

### **Dual Credit (High School Students, Non-Degree Seeking)**

This is a program for high school students to take college courses while in high school and receive credits for both high school graduation and through Spartan College. The maximum number of allowable credits for the Dual program is 34/Sem or 48/Qtr.

### **Single Course Option (Non-Degree Seeking)**

Spartan College is pleased to offer some courses in its programs as a single course option. Cost is calculated on a per credit hour basis as defined in the current Catalog Supplement. Single courses are not eligible for financial aid. Students are eligible to receive an official transcript for the single courses. School policies remain in effect.

### **Transcripts**

Fees related to transcripts are outlined in the Catalog Supplement.

A transcript is a copy of the student's permanent academic record. A student in active status may request an unofficial transcript at the Student Records Office by presenting their valid school issued ID badge.

To receive or send an Official Transcript elsewhere, the student must submit a Transcript Request Form to the Student Records Office. The Transcript Request Form is available in the Student Records Office or at [www.spartan.edu](http://www.spartan.edu). Students must settle all financial obligations to Spartan College before an official transcript will be released; however, an unofficial transcript will be made available upon request.

Spartan College uses the standard 4.0 grade point system in computing a cumulative grade point average (CGPA). The CGPA is determined by multiplying the number of credits for each course by the number of points awarded for the letter grade received (see chart below) and dividing the total number of grade points earned by the number of credits attempted.

All courses in which a student has a recorded grade will remain on the transcript. In the case of a repeated course, only the most recent attempt of a repeated course is used to calculate CGPA.

Points for C's and D's only apply if the specific grading scale allows for those grades. See **Grading Criteria** and **Grade Scales** for more information.

Grades of TR, CR, I, and AU are not used in calculating CGPA.

Grade	Points
A	4
B	3
C	2
D	1
F	0
AU	0
CR	0
I	0
R	0
TR	0
W	0
WP	0
WF	0

### **Enrollment Verification Letter**

A letter verifying a student's enrollment status for insurance companies, scholarships, job or housing applications, etc. can be obtained from the Student Records Office.

### **Refresher Courses for Spartan Alumni**

In support of Spartan's mission and to encourage lifelong learning, Spartan graduates are permitted to participate in the alumni refresher program. Subject to space availability, graduates can audit a class they have already taken, take an updated version of a course already taken, or learn about new equipment/software within the same program. There is no tuition charge for graduates who participate in the alumni refresher program; however,

retraining is limited to the program from which the student graduated, and other fees, laboratory supplies, books, tools, etc., may apply. Please see the campus academic department for more information. Refresher training is not eligible to earn college credits, nor is it eligible for financial aid.

### **Attendance Records for Veterans' Education Beneficiaries**

Spartans' Attendance Policy requires a record of daily attendance by the class instructor. All students are expected to maintain a minimum 90% attendance record per class. Students not meeting the 90% attendance requirement are subject to being dropped/withdrawn from the class with a punitive grade posted to his/her transcript per Attendance Policy. Exceptions to the Attendance Policy are determined on a case-by-case basis for extenuating circumstances as listed in the policy.

VA education benefits for the dropped/withdrawn class, regardless of reason, will be terminated effective on the day following the last date of class attendance. Additionally, the student may be responsible for repaying any VA monies already paid on the dropped class. VA education benefits will be reinstated upon commencement of the next available class.

### **Veterans' Education Benefits During Leave of Absence**

Benefits will be terminated while student is on any leave of absence period and/or school drop status. Students receiving VA education benefits are encouraged to meet with the VA School Certifying Official any time there is a change in his/her school status to help ensure accurate reporting to the VA.

### **Federal Aviation Administration (FAA) Testing**

#### **FAA Part 147 Program**

The Aviation Maintenance Technology programs are approved by the Federal Aviation Administration (FAA) and meet the requirements established in the Code of Federal Regulations, Title 14, Chapter 1, Subchapter H, Part 147. The skills learned in this program are applicable inside and outside of the aviation industry. Certification is required for certain aviation positions but not required to obtain related employment in various industries; however, obtaining an A&P certificate is highly encouraged as it provides additional opportunities.

Upon successful completion of the appropriate airframe or powerplant components, students will be eligible to take the Federal Aviation Administration (FAA) knowledge tests for the Airframe and/or Powerplant Mechanics Certificate. FAA testing consists of three (3) written tests and three (3) parts to an oral and practical (O&P) exam. Spartan College is a Designated FAA Test Center for the written tests. Spartan will provide, one-time, all the required written tests at no additional cost to the student provided that:

1. The student is a Spartan College FAA Part 147 program graduate\*.
2. He/she has fulfilled all financial obligations to Spartan College.
3. Written tests are taken at Spartan College within forty-five (45) days of graduation.
4. Successful completion and passing of practice exams with a score of at least 85% in each of the three (3) subject areas (General, Airframe, and Powerplant).

\*Note: Early FAA examination for airframe or powerplant (before graduation) is an option for students attending this campus.

Students not completing their written tests within forty-five (45) days of graduation will pay the market rate for the FAA written tests. Each of the three (3) written tests is given one time at no additional cost if taken within forty-five (45) days of graduation. Students who fail any of the written tests must pay market rate for the re-take regardless of whether the re-take is accomplished within forty-five (45) days of graduation. Furthermore, students who test off-campus are responsible for paying the costs of their tests.

After successful completion of the written knowledge tests, an Oral and Practical (O&P) examination is given to each graduate by a Designated Mechanic Examiner. Spartan will provide, one-time, the O&P examination at no additional cost to the student provided that:

1. The student is a Spartan College FAA Part 147 program graduate.
2. He/she has fulfilled all financial obligations to Spartan College.
3. The examination must be taken within forty-five (45) days of graduation.

Upon passing the O&P examinations and written tests, the FAA will issue the appropriate certificate (Airframe, Powerplant, or Airframe and Powerplant).

### **FAA Part 141 Program**

After successful completion of the Private Pilot Flight and Private Pilot Ground portion of the course the student will be qualified for the Private Pilot Airplane Single Engine Land Certificate with no further testing due to Spartan holding FAA Examining Authorization for the FAA Private Pilot Practical Flight Test for issuance of the Private Pilot Airplane Single Engine Land Certificate. The Cost for this is listed in the course supplement.

After successful completion of the Instrument Rating Flight and Ground portion of the course the student will be qualified to attempt the FAA Instrument Rating Airplane Practical Test. The cost is not a part of the course and is listed in the supplement but varies with the specific Pilot Examiner the average ranges about \$600 for the examination.

After successful completion of the Commercial Pilot Multi Engine Land flight and Ground portion of the course qualifies the student to attempt the FAA Commercial Pilot Airplane Multi Engine Practical test. The cost is not a part of the course and averages about \$600 for the examination.

After successful completion of the Commercial Pilot Airplane Single Engine Land flight and Ground portion of the course student will be qualified for the Commercial Pilot Airplane Single Engine Land Certificate with no further testing due to Spartan holding FAA Examining Authorization for the FAA Commercial Pilot Practical Flight Test for issuance of the Commercial Pilot Airplane Single Engine Land Certificate. The Cost for this is listed in the course supplement

After successful completion of the Flight Instructor Airplane Single Engine Flight and Ground portion of the course qualifies the student to attempt the FAA Certificated Flight Instructor Airplane Single Engine Airplane Practical test. The cost is not a part of the course and averages about \$1000 for the examination.

After successful completion of the Flight Instructor Instrument Airplane Flight and Ground portion of the course qualifies the student to attempt the FAA Certificated Flight Instructor Instrument Airplane Practical test. The cost is not a part of the course and averages about \$600 for the examination.

### **Statement of Academic Freedom**

Spartan College of Aeronautics and Technology endorses and adheres to the concept of academic freedom and supports the faculty member's privilege to function as a scholar in the interpretation and application of theories and ideas. The College exists to help students achieve their individual, educational, and career goals and to promote their understanding of themselves and the world in which they live. While college developed course descriptions, curriculum, and evaluation methods specify what content is to be covered, specific methods for teaching the course are not imposed. Further, faculty and students will not be penalized for expressing their views on or off campus, if this expression does not harass, threaten, intimidate, ridicule, or substantially impair the rights of others. In the case of faculty, expressing views does not protect from proper disciplinary actions for dishonesty, incompetence, poor performance, or imposing his or her views on students. In the case of students, mastery of course content and the fundamentals of the discipline are required regardless of personal views.

For more information regarding Academic Freedom: Defining Academic Freedom By Cary Nelson, December 21, 2010, Inside Higher Ed <https://www.insidehighered.com/views/2010/12/21/defining-academicfreedom>

### **Records Retention Policy**

All student data is backed up daily and housed on the campus server and a data center. Transcripts are retained indefinitely. Other student and employee information is saved for at least seven years.

## Attendance

Some Spartan programs are federally regulated. Federally regulated programs require students to maintain a minimum of 90% attendance in each course (on-ground or Zoom). The college has adopted this industry standard for all its programs. See course syllabi for specific attendance and tardy policies. Students that do not abide by the Attendance Policy for a specific program will be advised by the Dean of Academic Affairs or his/her designee and the result may be disciplinary action. Missed time or excessive tardiness may lead to disciplinary action including being withdrawn from a course, probation, suspension, or withdrawn from the program.

## **Online Attendance**

The academic week for Spartan College online courses starts on the first day of class at 12:00 am Central time zone and continues for seven days. For example, courses which begin on a Tuesday will have academic weeks that start on Tuesday and end on Monday. The last week of a course may vary in length.

Attendance in online courses is defined as participating in one or more of the following class activities:

- Posting to a discussion board
- Submitting an assignment
- Taking a quiz or exam

Note: Logging into the course or reading a course website page does **not** count as attendance.

Attendance in online courses is required:

1. On the first day of the course
2. At least two days per academic week (days start at 12:00am Central time and end at 11:59pm Central time)
3. On the last day of the course

Failure to meet the minimum attendance policy may lead to disciplinary action including being withdrawn from a course, probation, suspension, or withdrawal from the program. Illness and extenuating circumstances will be taken into consideration when reported to staff or faculty in a timely manner.

## Leave of Absence

Students may be granted a leave of absence (LOA) for a period of up to 180 days for certain specific and acceptable purposes which may include, but are not limited to: medical issues, jury

duty and military duty. Multiple leaves of absence may be granted provided the total of all leaves does not exceed 180 days during any 12-month period. A leave may only be granted to a student who has completed one term of instruction.

For a leave of absence to be granted, Spartan College must have an authorized request for the LOA from the student that has been approved by a College Official. The written request must include the reason the student is requesting a leave of absence and any applicable supporting documentation.

Students who fail to return from the LOA on the date approved will be terminated from the program.

### **Provisional Withdrawal**

This status is not considered an official leave of absence. If a student is unable to attend class due to the course being unavailable, they may be put in the Provisional Withdrawal status until the next course becomes available not to exceed 45 days from their last day of attendance.

### **Readmission to College after Withdrawal (drop)**

See **Cancellation, Withdrawal, and Refunds** for definitions related to withdrawal.

### **Returning Students**

A student may re-enter a program after withdrawal within 365 days from their last date of attendance (LDA) by applying for re-entry through the Student Services Office. Previous academic records remain unchanged. Re-entering students can start at the beginning of any term if a course is available.

A student returning to a program after withdrawal and at least 366 days from their last date of attendance (LDA) is called a re-enroll, which is considered a new student; however, previous academic records remain unchanged. Re-enrolls are processed through the Admissions Office.

Determination of academic eligibility, attendance, financial aid, and/or disciplinary issues must be evaluated and approved by the College.

Application for re-entry should be made as soon as possible. Evaluation for re-entry will be based upon prior performance and may require the completion of financial aid documents prior to the student beginning class. Evaluation will be based upon prior performance. Additional restrictions for flight students may apply.

### **Readmission to a Current Class**

The attendance policy allows a student to miss up to 10% and still be enrolled in the course. This represents the maximum amount of curriculum time a student can generally miss and still

pass the course. Re-entry after missing in excess of 10% is rare and only applies to the following circumstances:

1. Documentation of the death of a close family member
2. A documented situation beyond the student's control
3. Documented hospitalization.

Students should contact the Dean of Academic Affairs as soon as a situation arises in order to make arrangements for re-entry to class. The Dean of Academic Affairs has the final decision on determining whether the circumstances warrant an exception to the attendance policy.

### **Reinstatement after Suspension or Termination**

Students may apply for reinstatement to the College by submitting a letter of appeal to the Student Records Office. The letter of appeal should state whether the suspension was for academic or disciplinary reasons and an explanation of how the student's circumstances have changed to enable them to be successful in college. The appeal should be submitted at least three weeks prior to the term in which the student is applying for reinstatement. Spartan College's Conduct/Appeals Committee shall review the case and make a determination. Part of the reinstatement process will include the requirement to meet with the student finance department to determine updated eligibility information. There may be a fee for reinstatement/readmission.

### **Appeal Procedures**

See **Appeal Process** section for more details.

Every student has the right to appeal actions taken by the College such as:

1. Course grades (see **Grade Change**)
2. Official disciplinary action (warning, probation, suspension or dismissal/withdrawal from the program)

### **Graduation and Required Levels of Performance**

Students must complete their program with a minimum 2.0 CGPA and successfully pass all required courses in their program within that program's maximum allowable timeframe. Students completing their program exceeding maximum timeframe (measured in credit hours) will not receive a graduate credential (diploma or degree).

Students who exceed maximum timeframe measured in months may graduate and receive a credential; however, they will be counted as a withdrawal for the purposes of annual reporting to the accreditor.

### **Graduation Honors**

Graduating students who have demonstrated superior academic performance are recognized with the "Highest Honors" or "Honors" designation.

4.0 CGPA	Highest Honors
3.50 – 3.99 CGPA	Honors

### Graduation Credential Requirement

To graduate and receive a program credential, students must meet the following criteria:

1. Achieved a minimum 2.0 cumulative grade point average (CGPA); and
2. Be in active status at the completion of all program course requirements; and
3. Pass all courses within 150% credit hours; and
4. Earn at least 25% of the total program credit hours from Spartan College.

Having earned a graduation credential, graduates must complete the following requirements prior to the release of their diploma document and official transcript:

1. Complete and submit to the career services team a typed resume and other related placement forms;
2. Pay all tuition and other fees owed to the College;
3. Complete Financial Aid exit counseling required by the U.S. Department of Education.

Students may request an unofficial transcript while working to meet these requirements.

### Credentials Awarded Upon Graduation by Program

Program Name	Credential	Credential Abbreviation
Technology Management	Bachelor of Science	BS
Technology Management (DE) – 100% online	Bachelor of Science	BS
Aviation Maintenance Technology	Associate of Applied Science Degree	AAS
Aviation Maintenance Technology	Diploma	Dip
Aviation Electronics Technology	Associate of Applied Science Degree	AAS
Aviation Electronics Technology	Diploma	Dip
Quality Control Management	Associate of Applied Science Degree	AAS
Nondestructive Testing Technology	Diploma	Dip
Aviation Flight	Associate of Applied Science Degree	AAS

### Graduation Ceremony

Spartan College holds formal graduation ceremonies to honor students who have completed their program. These ceremonies are held multiple times per year. Graduates are encouraged to participate in the ceremony. Students should have all course requirements completed to participate in graduation ceremonies. Exceptions must be approved. Please be reminded that participating in graduation ceremonies in and of itself does not signify that all requirements have been met to be considered a graduate of Spartan College and to receive your diploma or degree.

## **Student Services**

### **New Student Orientation**

All new students are scheduled to attend orientation prior to their first day of class. Orientation is an opportunity for students to meet department leaders and staff members who will provide support services.

### **Differently Abled Students**

Spartan College of Aeronautics and Technology does not discriminate based on disability in admission or access to its program of study or activities. Students should be aware that employment opportunities may be limited for individuals who cannot perform the essential functions of a job. Students who have specific needs are required to provide advance, adequate notice of the disability to the Student Accessibility Resources Coordinator (SARC) and allow the school a reasonable period to consider the request and provide any reasonable accommodation. Students who request assistance may be required to provide supporting diagnostic test results and professional prescriptions for auxiliary aids.

### **Insurance**

All enrolled students are covered under our student accident policy. Accident Insurance covers enrolled students for medical expenses incurred as a result of an accident that occurs on Spartan property. Accidents that occur off school property are not covered under this policy. Policy exclusions do apply. Benefit amounts toward a student's accident will be limited to a maximum amount per accident and in an aggregate for Spartan College. Please refer to the "Student Accident Insurance Plan" flyer for details related to coverage and filing claims.

### **Academics/Student Records**

Adding/Dropping a class; Tutoring; Prior Learning Credits; Transfer Credits; Academic and Non-Academic Challenges; Disputing a Grade; Disputing Attendance

### **Career Services**

Students are encouraged to visit the Career Services Department on a regular basis. The process of obtaining employment takes work. At no time, will the college or career services team guarantee employment. Spartan provides students with resources and leads; however, it is important for students to be persistent, professional and active with the job search process. Additional Career Services: Alumni Services; Application for Work-Study; Career Fairs; Graduate Employment Assistance (Ongoing); Current Student Part-time Job Placement Assistance; Resume Assistance; Mock Interview Skills

### **Student Finance**

Federal Student Loans; Scholarships, Grants, Tuition Reimbursement; Defaulted Loan; Questions related to change in status and impact on funding; Account Balance; Account Charges; Tuition Questions; Payments; Eligibility for Federal Work Study

## **Housing (Optional)**

Spartan Residence Hall (SRH) is a student housing complex within walking distance of the Main Campus. Room availability is limited. Each unit is furnished and includes a washer/dryer, refrigerator, dishwasher, stove, microwave, internet service and furniture. There are four private bedrooms and two full bathrooms per unit. All student conduct rules apply while living at the SRH in addition to those outlined by the SRH lease agreement. The lease is a legally binding contract. Please review all documents thoroughly before deciding whether to live on campus or off campus. While the college does not assist with off campus housing, there are many rental options near the campus locations.

## **Student Conduct**

Students are expected to maintain professional attire, appearance, and adhere to standards of conduct. Violations of conduct standards may result in disciplinary actions. These violations include, but are not limited to:

1. Dishonesty (including cheating, plagiarism, giving false information to staff or faculty members, or soliciting test or quiz information);
2. Unprofessional conduct (including unprofessional appearance/failing to follow student dress code, fighting, or the use of abusive, threatening, or obscene language);
3. Misuse of college records or documents (includes forgery, alteration and destruction);
4. Possession, sale, distribution or use of alcohol, illegal drugs, or prescription drugs prescribed for another person (includes being under the influence of alcohol or drugs);
5. Unauthorized use of college premises or property;
6. Damage to college, staff, or student property (includes defacement or vandalism);
7. Theft of college, staff, or student property;
8. Disobedience to faculty or staff or disrespect for faculty, staff or students;
9. Unlawful possession or use of weapons (No firearms are allowed on Spartan College property);
10. Disruption of classes, assemblies, or activities of any kind;
11. Noncompliance with Spartan College safety rules or federal, state or local laws;
12. Any misconduct which at the discretion of Spartan College adversely affects the safety, integrity of the College or its programs, reputation of the College and its graduates, quality of education, or the morale of other students, or indicates the student's unsuitability for further training.
13. Cell phone use or sleeping in class;
14. Students are not allowed to bring food into the classroom or lab areas. Please enjoy your food in appropriate break areas. At the discretion of the instructor, beverages may be brought into some areas if they are in a non-glass container with a self-sealing lid that prevents spilling.
15. Computer users using the Spartan College networks will abide by all software licenses, copyright and intellectual property policies and applicable federal and state laws.

All Spartan College, instructors have the authority to dismiss disrespectful and/or disorderly students from class. Any student who is asked to leave class must report immediately to the Dean of Academic Affairs. If a student refuses to leave, he or she is subject to the full range of disciplinary action.

### **Academic Integrity**

The academic integrity policy is designed to foster a fair and impartial set of standards of conduct against which academic honesty will be judged. Students are required to adhere to these standards. This College defines dishonest acts as those such as the use of unapproved aids, alteration of records, bribery, cheating, copying, lying, and plagiarism. This list is not exhaustive, as faculty may establish other standards based upon the nature of the course or the setting in which the course material may be delivered or applied.

### **Technology Use Policy**

Spartan College provides its students with many types of information technology resources. The college strongly believes in the educational value of these resources and recognizes their potential to support the curriculum and student learning. These resources are provided to promote educational excellence by facilitating resource sharing, innovation, and communication. Users must be continuously alert to inappropriate and illegal use of the college's IT resources. A student's use of the college's IT resources constitutes his/her this policy and his/her agreement to abide by these rules. A student's violation of these rules may subject him/her to disciplinary action, up to and including dismissal from the college.

This policy applies to any student who uses the college's IT resources. The resources covered by this policy include, but are not limited to, computer hardware and software, telephone and data networks, and electronically stored data. Use of these resources includes access from off-campus and on-campus, as well as access from privately owned computers and electronic devices.

### **Rights and Responsibilities**

Access to and use of IT resources and the Internet shall comply with federal laws, state laws, and the policies and procedures of the college. By using the college's IT resources, all users agree to the rules, regulations, and guidelines contained in this technology use policy.

Computers and networks provide access to IT resources on- and off-campus, as well as the ability to communicate with other users worldwide. Such open access is a revocable privilege and requires that users behave ethically and act responsibly. This TUP is intended to supplement college policies and does not release users from compliance with any existing policies that address ethical issues such as harassment, academic dishonesty, and plagiarism.

The college's IT resources are primarily designated for instructional, research, or administrative purposes. Users may use IT resources for personal purposes as long as that use does not interfere with the primary use.

Because the college's computers and networks are shared resources, any user's activity that inhibits or interferes with the use of these resources by others is not permitted. The college may ensure reasonable use by monitoring access logs, traffic data, and network utilization.

Users are responsible for all activities to and from their access accounts. Users must take every precaution to protect access accounts. Under no circumstances should a user allow someone else to share an access account.

Users should not assume or expect any right of privacy with respect to the IT resources. System administrators or other authorized college personnel may access or examine files or accounts that are suspected of unauthorized use or misuse, that have been corrupted or damaged, or that may threaten the integrity of the college's computer systems. In addition, files, email, access logs, and any other electronic records may be subject to search under court order.

## **Prohibited use of Information Technology Resources**

It is a violation to:

1. Intentionally and without authorization, access, modify, damage, destroy, copy, disclose, print, or take possession of all or part of any computer, computer system, network, software, data file, program, database, or any other college IT resource.  
This includes:
2. Gaining access by willfully exceeding the limits of authorization
3. Attempting (even if unsuccessful) to gain unauthorized access through fraudulent means
4. Gaining access by using another person's name, password, access codes, or personal identification
5. Attempting (even if unsuccessfully) to gain unauthorized access by circumventing system security, uncovering security loopholes, or guessing passwords/access codes
6. Give or publish a password, identifying code, personal identification number or other confidential information about a computer, computer system, network or email account, database, or any other college IT resource.
7. Load any third-party software on computer systems in the computer labs, unless authorized by a member of the lab staff, a faculty member, or an information technology services (ITS) representative.
8. Transfer copyrighted materials to or from any system, or via the college network, without the express consent of the owner of the copyrighted material. (See the section entitled FILE SHARING AND COPYRIGHT INFRINGEMENT.)

9. Provide unauthorized external access to college-developed or commercially obtained IT resources.
10. Use any IT resources for commercial, political, or illegal purposes; personal financial gain; or harassment of any kind.
11. Display obscene, lewd, or otherwise offensive images or text.
12. Intentionally or negligently use IT resources in such a manner as to cause network congestion and performance degradation.

### **Provisions for Private Computers Connected to the College Network**

The following apply to anyone connecting a private computer to the college network via a wireless LAN connection, a dial-up network connection, a virtual private network (VPN) connection, a regular network connection in an office, or any other network connection.

1. The owner of the computer is responsible for the behavior of all users on the computer, and all network traffic to and from the computer, whether the owner is aware of the traffic generated.
2. A private computer connected to the network may not be used to provide network access for anyone who is not authorized to use the college systems. The private computer may not be used as a router or bridge between the college network and external networks, such as those of an Internet Service Provider.
3. Should college IT services staff have any reason to believe that a private computer connected to the college network is using the IT resources inappropriately, network traffic to and from that computer will be monitored. If justified, the system will be disconnected from the network, and action will be taken with the appropriate authorities.
4. Users are responsible for the security and integrity of their systems. In cases where a computer is hacked into, the user shall either shut down the system or remove it from the campus network as soon as possible to localize any potential damage and to stop the attack from spreading.

### **Electronic Mail**

The college email system is not a private secure communications medium. As such, users of email cannot expect privacy. By using the college email system, each user acknowledges:

The use of electronic mail is a privilege, not a right. Transmitting certain types of communications are expressly forbidden. This includes messages containing chain letters, pyramids, urban legends, and alarming hoaxes; vulgar, obscene, or sexually explicit language; threatening or offensive content; derogatory, defamatory, sexual, or other harassment; or discriminatory communication of any kind.

As with other information technology resources, the use of email for commercial or political purposes is strictly prohibited.

Under the Electronic Communications Privacy Act, tampering with email, interfering with the delivery of email, and using email for criminal purposes may be felony offenses, requiring the disclosure of messages to law enforcement or other third parties without notification.

Email messages should be transmitted only to those individuals who have a need to receive them. Distribution lists should be constructed and used carefully. Email distribution lists should be kept current and updated regularly. Inappropriate mass mailing is forbidden. This includes multiple mailings to newsgroups, mailing lists, or individuals (e.g., spamming, flooding, or bombing).

Users of the college email system waive any right to privacy in email messages and consent to the access and disclosure of email messages by authorized college personnel. Accordingly, the college reserves the right to access and disclose the contents of email messages on a need-to-know basis. Users should recognize that under some circumstances, because of investigations, subpoenas, or lawsuits, the college might be required by law to disclose the contents of email communications.

### **File Sharing and Copyright Infringement**

Federal copyright law applies to all forms of information, including electronic communications. Users should be aware that copyright infringement includes the unauthorized copying, displaying, and/or distributing of copyrighted material. All such works, including those available electronically, should be considered protected by copyright law unless specifically stated otherwise.

The college complies with all provisions of the Digital Millennium Copyright Act. Any use of the college network, email system, or website to transfer copyrighted material including, but not limited to, software, text, images, audio, and video is strictly prohibited. Therefore, the use of peer-to-peer file sharing programs (such as BitTorrent, KaZaA, Morpheus, iMesh, etc.) are, in most cases, a violation of college policy and federal law.

Users who commit acts of copyright infringement in any form through their use of IT resources will be subject to disciplinary action by the college. Acts of copyright infringement and piracy are violations of state and federal laws, and as such, may result in criminal charges.

### **No Warranties**

The college makes no warranties of any kind, whether expressed or implied, about IT resources. The college will not be responsible for any damages suffered because of

using IT resources. These damages may include, but are not limited to, loss of data because of delays, or service interruptions caused by IT resources or by user error or omissions. Use of any information obtained through IT resources is at the user's sole risk. The college disclaims any responsibility for the accuracy of information obtained through IT resources.

The user agrees to indemnify and hold harmless Spartan College, its parent and/or subsidiary companies and affiliates, as well as its directors, officers, agents and employees from and against any claim, lawsuit, cause of action, damage judgment, loss, expense, or liability resulting from any claim, including reasonable attorneys' fees, arising out of or related to the use of IT resources. This indemnity shall include, without limitation, those claims based on trademark or service mark infringement, trade name infringement, copyright infringement, defamation, unlawful discrimination or harassment, rights of publicity, and invasion of privacy.

### **Reporting Violations of IT Acceptable Use Regulations**

Violations of this policy should be reported immediately to the IT department. The college will make every effort to maintain confidentiality to the extent possible consistent with other obligations.

### **Disciplinary Action**

Violations of the provisions of this TUP will result in the appropriate disciplinary action, which may include loss of computing privileges, suspension, termination, or expulsion from the college, and legal action.

### **Student Dress Code**

Many courses at Spartan College involve working with machinery and tools where clothing protects the operator. To establish work safety and dress ethics, Spartan College has established a dress code reflecting a program's specific needs. Students are required to adhere to the dress code applicable to their program. While there may be some companies in the field with less strict standards, Spartan has implemented standards based on the recommendations of our program advisory board members (comprised of industry experts) and employers who have employed past graduates. This is only a summary of the dress code. For full details, please refer to your course syllabi.

### **Use of Tobacco on Campus**

Tobacco may only be used in designated "Tobacco Use" areas only. Smoking or other use of tobacco (including smokeless tobacco and electronic cigarettes) are not permitted in any Spartan building. Smoking is not permitted within fifty feet of aircraft, outside the lab buildings, or within twenty-five feet of doorways or open windows.

## **Disciplinary Actions**

Students who violate the College's conduct standards may be given a warning, placed on probation, suspended or withdrawn from the program. The punishment shall be determined by the seriousness of the act and the number of previous offenses; however, Spartan College reserves the right to invoke any level of discipline described below even for a first offense if, at the College's discretion, such discipline is warranted. (Also refer to Financial Aid Related Actions)

The disciplinary actions (warnings, probation, suspension, and dismissal) may be exercised by the college's administration for acts involving serious and/or unlawful misconduct ON CAMPUS OR OFF CAMPUS if the act reflects discredit upon the college and student population. Depending upon the seriousness of the offense, a student may be expelled or otherwise disciplined even if the offense is the student's first violation.

### **Warning**

The purpose of a warning is to inform students they must stop acting in a certain way or change a pattern of misconduct. Warnings are given for minor offenses.

### **Probation**

A student may be placed on probation for violation of the personal conduct rules. Further infractions may then result in suspension or expulsion from the college.

### **Suspension**

A student may be suspended for a period of one day to two terms for violating Spartan College's conduct rules. A student must submit a letter of appeal to the college to petition for re-entry. Letters of Appeal should be submitted at least three weeks prior to the desired re-entry term.

### **Dismissal**

A student may be permanently dismissed ("expelled") from Spartan College for violating Spartan College's conduct rules.

## **Suspension for Safety, Rule Infractions, and Proficiency**

Students are required to comply with all regulatory requirements. Sound judgment and safe operating practices are a must. Probation and additional training may be part of corrective action. In some cases, involving repeated violations, safety, or lack of proficiency, students may be suspended. Examples of infractions: Rule infractions or rule violations and/or unsafe operating practices.

Flight only:

1. Inability to solo
2. Failure to complete flight lesson(s) or stage check(s)

3. Students who are observed to be flying in an unsafe manner such as airspace violations, flying below minimum altitude levels, practicing unauthorized maneuvers, or other violations of Spartan College procedures may be suspended from the program.

### **Random Drug Testing**

Drug-Free Awareness information available in the Appendix (U.S. Department of Education Requirements).

Most industries and employers for which graduates aspire to work, require a commitment to excel and the discipline to avoid unsafe practices. The use of illegal drugs or the abuse of prescription drugs or alcohol constitutes an unsafe practice and is incompatible with many employers. To provide and maintain a work and education environment that is safe for employees and students, Spartan College established a random drug screening program. The College reserves the right to immediately suspend or dismiss any student who uses or possesses drugs.

All flight students are required to pass a urinary drug screening prior to their first solo flight.

### **Criminal and Misdemeanor Offenses**

It is imperative to understand that employers across industries, the Federal Aviation Administration, and other agencies could deny employment, certification, licensure, or related benefits should you have a record of misdemeanor or felony activity. It is the student's responsibility to research whether any past offenses may prevent or could limit opportunities in the future. Students must keep his/her record clear of any issues. The College has no control over how past or future offenses impact employability or the student's ability to become certified or licensed.

### **Interim Suspension or Immediate Expulsion**

1. Spartan College may immediately remove, suspend, or expel a student from school without applying or exhausting these procedures when, in Spartan College's sole judgment, the student poses a threat of harm to himself, to others, or to property of Spartan College or a member of the college.
2. After the expulsion or during the interim suspension, students shall be denied access to the school including classes, labs, library, clinical assignments, and school sponsored housing and rotations and/or all other school activities or privileges for which the student might otherwise be eligible.

### **Appeal Process**

In all cases, if the student is not satisfied with the decision, he or she may appeal the judgment by requesting a hearing before the College Conduct Committee. The student must obey the terms of the initial decision pending the outcome of the appeal, i.e.: a student who has been suspended or expelled from school may not be on school property.

1. The request must be made in writing to the Dean of Student Affairs, within five (5) working days of the original decision and it must include the student's reasons for the appeal.
2. The request must include specific reasons why the student feels the disciplinary process, the finding, and/or the sanction should be reviewed by a committee.
3. If no request for appeal is made, the decision is final.
4. Requests for a hearing will result in the College Conduct Committee being contacted to arrange a hearing not less than two or more than fifteen calendar days after notice of the original decision has been given to the student. *The maximum time limit for scheduling a hearing may be extended at the discretion of the Dean of Student Affairs if the decision is rendered during a break between terms when most faculty and students are off campus.*
5. The Campus Student Conduct/Appeals Committee will hold a hearing on the appeal and make a recommendation regarding disposition of the appeal. This committee will be comprised of staff and faculty members not involved in making the initial disciplinary decision. Committee members are chosen at the sole discretion of Spartan College and will be comprised of at least one Program Chair or coordinator, one faculty member, and one staff member. Spartan College reserves the right to exclude a student member from the Conduct Committee when circumstances merit.
6. The Dean of Student Affairs or his/her designee will coordinate and provide logistical support to the hearing.
7. The student making the appeal and the person bringing the charges will be provided an opportunity to address the committee in person.
8. The student may be accompanied by one person (family member, friend, etc.) as an observer. The student may not be accompanied by an attorney. The committee may prohibit from attending or remove any person who disrupts the proceedings of the committee.
9. The committee shall determine all matters relating to the conduct of the hearing including, for example, relevancy of evidence, duration of the hearing or any part thereof, procedures, the weight to be given any evidence.
10. The committee will report back to the Campus President or his/her designee with its recommendation following its review of the appeal.
11. The Campus President or his/her designee will render a written decision, based on the committee recommendation and input, on the appeal within thirty calendar days from receipt of the appeal and communicate this promptly to the student.
12. The Campus President's decision shall be final.

*International students subject to any level of sanctions must meet with the Designated SEVIS Official (DSO) to ensure student visa status requirements are met.*

## Student Complaints and Grievance Procedures

Spartan College recognizes that, on occasion, a student, faculty member, staff or interested third party may have a concern or issue that necessitates a prompt and fair resolution. Spartan administration operates an open-door policy. To address these issues, faculty, staff, and interested third parties should report their concern to the Program Chair, Dean of Academic Affairs, and/or Campus Director/President.

The Dean of Student Services is the key contact for student complaints if resolution with the parties directly involved is not found. The College strives to resolve student complaints timely and within 14 days.

The steps in resolving a grievance are explained in the following section. While students are encouraged to use this process to aide in resolution of concerns, students may choose to report concerns to other agencies such as the state, accreditor, or through Lighthouse at any time. Most outside agencies require the complaint to be submitted in written form, and they generally keep the complainant(s) informed about the status of the complaint as well as the final resolution. For help finding an outside agency, please feel free to speak with the Campus President. Also, agencies that oversee Spartan College are listed in this catalog and on [www.spartan.edu](http://www.spartan.edu). Students will not be subject to punitive action based on the submission of a grievance.

### **Academic Concerns**

1. Faculty Member
2. Program Chair
3. Dean (Academic and/or Student Affairs)
4. Campus Director / President
5. Campus Appeals Process (See Catalog section **Appeal Process**)
6. Campus Resource Center: 1 N. Franklin St., Suite 2125, Chicago, IL 60606
7. Email: [Student.Help@spartan.edu](mailto:Student.Help@spartan.edu)
8. Other agencies such as the state licensing agency, accreditor, Lighthouse compliance hotline, or other outside resources.

### **Non-Academic Concerns**

1. Manager of the department where concern is focused
2. Dean of Student Affairs
3. Campus President
4. Campus Appeals Process (See Catalog section **Appeal Process**)
5. Campus Resource Center: 1 N. Franklin St., Suite 2125, Chicago, IL 60606
6. Email: [Student.Help@spartan.edu](mailto:Student.Help@spartan.edu)
7. Other agencies such as the state licensing agency, accreditor, Lighthouse compliance hotline, or other outside resources.

In cases where a complainant wishes to have their identity protected through a third-party reporting option, contact Lighthouse at:

English speaking USA and Canada: 844-960-0004

Spanish speaking USA and Canada: 800-216-1288

Website: [www.lighthouse-services.com/spartan](http://www.lighthouse-services.com/spartan)

Email: [reports@lighthouse-services.com](mailto:reports@lighthouse-services.com) (must include "Spartan College" with report)

Fax: (215) 689-3885 (must include "Spartan College" with report)

Lighthouse is available 24 hours a day, seven days a week.

The goal for all student complaints is quick resolution of the specific problem as well as remediation of the root cause of the student's complaint to prevent reoccurrence

## **Complaint Process**

Students should follow the prescribed series of steps outlined below to obtain a mutual and satisfactory resolution of the student's concern or issue. This process does not apply to claims of sex discrimination, sexual harassment and sexual violence. The procedure for reporting claims of sex discrimination, sexual harassment, and sexual violence are outline in the appendix under Title IX.

The college will not tolerate unlawful retaliation against any student, faculty, staff or interested third party who in good faith files a complaint, testifies, assists, or participates in any manner in an investigation, proceeding, or hearing regarding any form.

1. If anyone believes he/she has been retaliated against in violation of this policy, he/she is encouraged to immediately report the retaliation in writing to the Campus Director/President. Spartan College will take appropriate measures to ensure that no such retaliation occurs.
2. Students that have an academic issue or concern (e.g., make- up work, instruction), the first person to talk to is the course instructor. If talking with the instructor does not result in a satisfactory resolution, the next steps are to talk with the program chair and the campus Dean of Academic Affairs.
3. Students that have a nonacademic issue or concern, (except for the Student Harassment), (i.e.: parking, ID cards), the first person with whom students should talk is the manager of the department where the concern is focused. Dean of Academic Affairs or the Campus Director/President would be the next step in the process. They will attempt to coordinate a mutual and satisfactory resolution with the individuals or departments involved.
4. If a student still cannot find a satisfactory resolution, the student can initiate a grievance process by presenting the grievance to the Campus Director/President. In the event a

mutual and satisfactory resolution has not been achieved at this level, the student may take his/her written and signed grievance to subsequent levels within the college organization.

### **Accrediting Agency**

#### **STUDENT COMPLAINT PROCEDURE**

Schools accredited by the Accrediting Commission of Career Schools and Colleges must have a procedure and operational plan for handling student complaints. If a student does not feel that the school has adequately addressed a complaint or concern, the student may consider contacting the Accrediting Commission. All complaints reviewed by the Commission must be in written form and should grant permission for the Commission to forward a copy of the complaint to the school for a response. This can be accomplished by filing the ACCSC Complaint Form. The complainant(s) will be kept informed as to the status of the complaint as well as the final resolution by the Commission. Please direct all inquiries to:

Accrediting Commission of Career Schools & Colleges  
2101 Wilson Boulevard, Suite 302, Arlington, VA 22201  
(703) 247-4212 | [www.accsc.org](http://www.accsc.org)

A copy of the ACCSC Complaint Form is available at the school and may be obtained by contacting the Dean of Academic Affairs or online at [www.accsc.org](http://www.accsc.org).

### **Home State Regulatory Agency**

Questions or concerns that are not satisfactorily resolved by college officials for the state of Oklahoma students may be brought to the attention of:

Oklahoma Board or Private Vocational Schools  
3700 N Classen Blvd, Suite 250  
Oklahoma City, Oklahoma 73118  
Telephone: 405-528-3370; Fax: 405-528-3366

Complaints to OBPVS need to utilize their Complaint Form which can be found on their website, <http://obpvs.ok.gov/students>

### **Out of State Regulatory Agencies**

Please see the State Agency Appendix for information related to out-of-state approvals, policies, and contact information. The College will defer to the most student friendly policy.

Distance education students can find a list of out-of-state complaint policies at [www.spartan.edu](http://www.spartan.edu) > Tulsa > Consumer Information > Distance Education Student Complaint Information.

## Program Information

### Program and Course Abbreviation Legend

<b>ACC</b>	Accounting	<b>Hybrid</b>	Teaching Method – on-ground & online
<b>AET</b>	Aviation Electronics Technology	<b>L</b>	Laboratory Course
<b>AMT</b>	Aviation Maintenance Technology	<b>MAT</b>	Mathematics
<b>ARF</b>	Airframe	<b>MGT</b>	Management
<b>ARF (DE)</b>	Airframe Online Delivery Class	<b>MKT</b>	Marketing
<b>ARF (L)</b>	Airframe Lab Class	<b>NDT</b>	Nondestructive Testing Technology
<b>AVE</b>	Aviation Education	<b>PHY</b>	Physics
<b>AVF</b>	Aviation Flight	<b>PLO</b>	Ethics
<b>BSL</b>	Business Law	<b>PPT</b>	Powerplant
<b>DE</b>	Distance Education (Online Delivery Course)	<b>PPT (DE)</b>	Powerplant Online Delivery Course
<b>ECN</b>	Economics	<b>PPT (L)</b>	Powerplant Laboratory Course
<b>ENG</b>	English	<b>PSC</b>	Political Science
<b>GEN</b>	Aviation Maintenance General Course	<b>PSY</b>	Psychology
<b>GEN (DE)</b>	Aviation Maintenance General Online Course	<b>QCM</b>	Quality Control Management
<b>GEN (L)</b>	Aviation Maintenance General Lab Course	<b>SOC</b>	Sociology
<b>HIS</b>	History	<b>SPH</b>	Speech

### Course Numbering System

First 3 characters are an abbreviation of subject area.

First three digits correspond to the course level 100/200/300/400.

Final digit represents the course sequence if multiple courses with similar content are taught at the same level.

Example:

ENG1001 English at the 100 level, 1<sup>st</sup> in sequence for this level.

ENG2001 English at the 200 level, 1<sup>st</sup> in sequence for this level.

If there was a second course at the same level, then the final number would be a “2”.

ENG1002 would be a second English course at the 100 level.

### Credit Hour Definition

All courses are measured in semester credit hours. One semester credit hour equals 45 units comprised of the following academic activities:

- One clock hour in a didactic learning environment = 2 units
- One clock hour in a supervised laboratory setting of instruction = 1.5 units
- One hour of externship = 1 unit
- One hour of out-of-class work and/or preparation for the didactic learning environment or supervised laboratory setting of instruction that are designed to measure the student’s achieved competency relative to the required subject matter objectives = 0.5 unit

## Aviation Maintenance Technology

17 Months – Diploma

20 Months – Associate of Applied Science Degree

**CIP Code:** 47.0607 and D.O.T. 621.281-014 Airframe and Powerplant Mechanic

**Type of instruction:** On-Ground and online (technical courses) with the option for online general education courses in the degree program.

The Aviation Maintenance programs are approved by the Federal Aviation Administration (FAA) and meet the requirements established in the Code of Federal Regulations, Title 14, Chapter 1, Subchapter H, Part 147. These programs are designed to teach students entry-level technical skills in airframe and powerplant. Successful completion qualifies the graduates to take the written, oral and practical tests with the Federal Aviation Administration for the Mechanic’s Certificate with both Airframe and Powerplant Ratings. The skills and information taught in the program are applicable to other maintenance industries and professions as well as aviation; therefore, certification is not required upon graduation. Obtaining an A&P certificate is encouraged and provides additional options should the student choose to pursue certification. The general education courses in the associate degree program enhance the students’ background and intellectual proficiency.

For a brief synopsis of each course, refer to the section titled **Course Descriptions**.

COURSES		Diploma Program Credit Hours	Degree Program Credit Hours
<b><u>TECHNICAL COURSES</u></b>			
GEN1001LEC	Basic Electricity Lecture	2	2
GEN1001LAB	Basic Electricity Lab	2	2
GEN1002LEC	Aviation Science Lecture	2	2
GEN1002LAB	Aviation Science Lab	2	2
GEN1003LEC	Aviation Maintenance Practices Lecture	3	3
GEN1003LAB	Aviation Maintenance Practices Lab	1	1
AFP1001LEC	Electrical & Fire Protection Systems Lecture	3	3
AFP1001LAB	Electrical & Fire Protection Systems Lab	1	1
ARF2001LEC	Metallic Structures Lecture	2	2
ARF2001LAB	Metallic Structures Lab	2	2
ARF2002LEC	Non-Metallic Structures Lecture	2	2
ARF2002LAB	Non-Metallic Structures Lab	2	2
ARF2003LEC	Hydraulic & Landing Gear Systems Lecture	2	2
ARF2003LAB	Hydraulic & Landing Gear Systems Lab	2	2
ARF2004LEC	Comm/Nav & Instruments Systems Lecture	3	3
ARF2004LAB	Comm/Nav & Instruments Systems Lab	1	1
ARF2005LEC	Airframe Systems Lecture	3	3
ARF2005LAB	Airframe Systems Lab	1	1

**Continued on next page**

ARF2006LEC	Flight Controls & Airframe Inspections Lecture	2	2
PPT2001LEC	Reciprocating Engines Lecture	2	2
PPT2001LAB	Reciprocating Engines Lab	2	2
PPT2002LEC	Reciprocating Engine Systems Lecture	2	2
PPT2002LAB	Reciprocating Engine Systems Lab	2	2
PPT2003LEC	Fuel Metering & Propeller Systems Lecture	3	3
PPT2003LAB	Fuel Metering & Propeller Systems Lab	1	1
PPT2004LEC	Engine Inspection & Operation Lecture	2	2
PPT2004LAB	Engine Inspection & Operation Lab	2	2
PPT2005LEC	Turbine Engine Fundamentals Lecture	3	3
PPT2005LAB	Turbine Engine Fundamentals Lab	1	1
PPT2006LEC	Turbine Engine Systems Lecture	2	2
PPT2006LAB	Turbine Engine Systems Lab	2	2
<b>GENERAL EDUCATION COURSES</b>			
MAT 1001	College Mathematics	4	4
PHY 1001	College Physics	3	3
SPH 2001	Fundamentals of Public Speaking	N/A	3
ENG 1001	English Composition	N/A	3
HIS 1001	American History: 1865 to Present	N/A	3
SOC 1001	Modern Sociology	N/A	3
ENG 2001	English Composition II - Technical Writing	N/A	3
<b>OTHER COURSES</b>			
CAR 2001	Career Exploration	N/A	1
<b>Total Credit Hours</b>		71	87
<b>Total Terms</b>		9	10
<b>Total Months</b>		17	20

## Aviation Maintenance Technology (Hybrid Delivery)

20 Months – Diploma

23 Months – Associate of Applied Science Degree

**CIP Code:** 47.0607 and D.O.T. 621.281-014 Airframe and Powerplant Mechanic

**Type of instruction:** Hybrid (Online and On-Ground)

***The hybrid versions are modality options within the on-ground program approvals. These are not separately approved programs.***

The Aviation Maintenance programs are approved by the Federal Aviation Administration (FAA) and meet the requirements established in the Code of Federal Regulations, Title 14, Chapter 1, Subchapter H, Part 147. These programs are designed to teach students entry-level technical skills in airframe and powerplant. Successful completion qualifies the graduates to take the written, oral and practical tests with the Federal Aviation Administration for the Mechanic’s Certificate with both Airframe and Powerplant Ratings. The skills and information taught in the program are applicable to other maintenance industries and professions as well as aviation; therefore, certification is not required upon graduation. Obtaining an A&P certificate is encouraged and provides additional options should you choose to pursue certification. The general education courses in the associate degree program enhance the students’ background and intellectual proficiency.

For a brief synopsis of each course, refer to the section titled **Course Descriptions**.

COURSES		Diploma Program Credit Hours	Degree Program Credit Hours
<b>TECHNICAL COURSES</b>			
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GEN1001LAB	Basic Electricity Lab	2	2
GEN1002LEC	Aviation Science Lecture	2	2
GEN1002LAB	Aviation Science Lab	2	2
GEN1003LEC	Aviation Maintenance Practices Lecture	3	3
GEN1003LAB	Aviation Maintenance Practices Lab	1	1
AFP1001LEC	Electrical & Fire Protection Systems Lecture	3	3
AFP1001LAB	Electrical & Fire Protection Systems Lab	1	1
ARF2001LEC	Metallic Structures Lecture	2	2
ARF2001LAB	Metallic Structures Lab	2	2
ARF2002LEC	Non-Metallic Structures Lecture	2	2
ARF2002LAB	Non-Metallic Structures Lab	2	2
ARF2003LEC	Hydraulic & Landing Gear Systems Lecture	2	2
ARF2003LAB	Hydraulic & Landing Gear Systems Lab	2	2
ARF2004LEC	Comm/Nav & Instruments Systems Lecture	3	3
ARF2004LAB	Comm/Nav & Instruments Systems Lab	1	1

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ARF2005LEC	Airframe Systems Lecture	3	3
ARF2005LAB	Airframe Systems Lab	1	1
ARF2006LEC	Flight Controls & Airframe Inspections Lecture	2	2
PPT2001LEC	Reciprocating Engines Lecture	2	2
PPT2001LAB	Reciprocating Engines Lab	2	2
PPT2002LEC	Reciprocating Engine Systems Lecture	2	2
PPT2002LAB	Reciprocating Engine Systems Lab	2	2
PPT2003LEC	Fuel Metering & Propeller Systems Lecture	3	3
PPT2003LAB	Fuel Metering & Propeller Systems Lab	1	1
PPT2004LEC	Engine Inspection & Operation Lecture	2	2
PPT2004LAB	Engine Inspection & Operation Lab	2	2
PPT2005LEC	Turbine Engine Fundamentals Lecture	3	3
PPT2005LAB	Turbine Engine Fundamentals Lab	1	1
PPT2006LEC	Turbine Engine Systems Lecture	2	2
PPT2006LAB	Turbine Engine Systems Lab	2	2
<b>GENERAL EDUCATION COURSES</b>			
MAT 1001	College Mathematics	4	4
PHY 1001	College Physics	3	3
SPH 2001	Fundamentals of Public Speaking	N/A	3
ENG 1001	English Composition	N/A	3
HIS 1001	American History: 1865 to Present	N/A	3
SOC 1001	Modern Sociology	N/A	3
ENG 2001	English Composition II - Technical Writing	N/A	3
<b>OTHER COURSES</b>			
CAR 2001	Career Exploration	N/A	1
		<b>Total Credit Hours</b>	<b>71</b>
		<b>Total Terms</b>	<b>9</b>
		<b>Total Months</b>	<b>17</b>
			<b>87</b>
			<b>10</b>
			<b>20</b>

## Aviation Electronics Technology

12 Months – Diploma

15 Months – Associate of Applied Science Degree

**CIP Code:** 47.0609 and D.O.T. Electronics Technician D.O.T. 828.261-22, 003.161-014, 726.687-010 and Avionics/UAV Technician 823.261-026

**Type of instruction:** On-Ground and online (technical courses) with the option for online general education courses in the degree program.

These programs are designed to teach students entry-level technical skills in electronics that are applicable in aviation as well as other industries. Students learn to read and use aircraft maintenance manuals and how to read and interpret aircraft commercial drawings and electronics schematics. They study FAA regulations and learn the proper use of basic tools and test equipment, study electronic theory, and have hands-on training in the installation, troubleshooting and repair of electronic and avionics systems. Students learn many aspects of Unmanned Aerial Systems (UAS), including classes, size, capabilities/limitations, and different technologies. In addition, associate degree students focus on interpersonal skills such as oral and written communication, customer service and diversity in the workplace.

For a brief synopsis of each course, refer to the section titled **Course Descriptions**.

Course Outline		Diploma Program Credit Hours	Degree Program Credit Hours
<b>TECHNICAL COURSES</b>			
ELT1001LEC	DC Fundamentals Lecture	2	2
ELT1001LAB	DC Fundamentals Lab	2	2
ELT1002LEC	AC Theory and Control Devices Lecture	2	2
ELT1002LAB	AC Theory and Control Devices Lab	2	2
ELT1003LEC	Amplifiers and Power Control Devices Lecture	2	2
ELT1003LAB	Amplifiers and Power Control Devices Lab	2	2
ELT1004LEC	Digital and Microcontroller Technology Lecture	2	2
ELT1004LAB	Digital and Microcontroller Technology Lab	2	2
ELT1005LEC	Industrial Controls and Robotics Lecture	2	2
ELT1005LAB	Industrial Controls and Robotics Lab	2	2
AVN2001LEC	Aerospace Soldering and Inspection Lecture	2	2
AVN2001LAB	Aerospace Soldering and Inspection Lab	2	2
AVN2002LEC	Aerospace Wiring Lecture	2	2
AVN2002LAB	Aerospace Wiring Lab	2	2
AVN2003LEC	Avionics Communication Systems Lecture	2	2
AVN2003LAB	Avionics Communication Systems Lab	2	2
AVN2004LEC	Navigation & Instrumentation Lecture	2	2
AVN2004LAB	Navigation & Instrumentation Lab	2	2
AVN2005LEC	Radar and Pulse Communications Lecture	2	2
AVN2005LAB	Radar and Pulse Communications Lab	2	2
AVN2006LEC	System Integration Lecture	2	2

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AVN2006LAB	System Integration Lab	2	2
AVN2007LEC	Unmanned Aerial Systems and Robotics Lecture	2	2
AVN2007LAB	Unmanned Aerial Systems and Robotics Lab	2	2
<b>GENERAL EDUCATION COURSES</b>			
MAT 1001	College Mathematics	4	4
PHY 1001	College Physics	3	3
SPH 2001	Fundamentals of Public Speaking	N/A	3
ENG 1001	English Composition	N/A	3
HIS 1001	American History: 1865 to Present	N/A	3
SOC 1001	Modern Sociology	N/A	3
<b>OTHER COURSES</b>			
CAR 2001	Career Exploration	N/A	1
		<b>Total Credit Hours</b>	<b>51</b>
		<b>Total Terms</b>	<b>6</b>
		<b>Total Months</b>	<b>12</b>

## Nondestructive Testing Technology

10 Months – Diploma

## Quality Control Management

15 Months – Associate of Applied Science Degree

**CIP Code:** 15.0702 and D.O.T. Nondestructive Tester D.O.T. 011.261-018 and Quality Control Technician D.O.T. 012.261-014

**Type of instruction:** On-Ground and online (technical courses) with the option for online general education courses in the degree program.

These programs are designed to teach students entry-level technical skills used by many inspection companies. Students learn to operate equipment used in making magnetic particle and liquid dye penetrant inspections. They also learn the basic principles of radiation safety, metallurgy, ultrasonic inspection, eddy current leak detection, and codes and standards. Students process and interpret film using x-ray equipment. The associate degree courses in quality control provide the technical training for professional employment in the specialty. The associate courses in quality control management provide additional technical training in the specialty, as well as general education courses focused on interpersonal skills such as oral and written communication, customer service and diversity in the workplace.

For a brief synopsis of each course, refer to the section titled **Course Descriptions**.

Course Outline		Diploma Program Credit Hours	Degree Program Credit Hours
<b>Technical Courses</b>			
NDT1001LEC	Introduction to Nondestructive Testing Lecture	3	3
NDT1001LAB	Introduction to Nondestructive Testing Lab	1	1
NDT1002LEC	Visual Testing Lecture	3	3
NDT1002LAB	Visual Testing Lab	1	1
NDT1003LEC	Core Nondestructive Testing Methods Lecture	2	2
NDT1003LAB	Core Nondestructive Testing Methods Lab	2	2
NDT1004LEC	Radiation Safety Lecture	3	3
NDT1004LAB	Radiation Safety Lab	1	1
NDT1005LEC	Radiographic Testing Operator Lecture	2	2
NDT1005LAB	Radiographic Testing Operator Lab	2	2
NDT1006LEC	Radiographic Testing Inspector Lecture	2	2
NDT1006LAB	Radiographic Testing Inspector Lab	2	2
NDT1007LEC	Introduction to Ultrasonic Testing Lecture	2	2
NDT1007LAB	Introduction to Ultrasonic Testing Lab	2	2
NDT1008LEC	Ultrasonic inspection and Evaluation Lecture	2	2

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NDT1008LAB	Ultrasonic inspection and Evaluation Lab	2	2
NDT1009LEC	Eddy Current Testing Inspector Lecture	2	2
NDT1009LAB	Eddy Current Testing Inspector Lab	2	2
QCM 2001	Philosophy of Quality Management	N/A	4
QCM 2002	ISO 9000 and Total Quality	N/A	4
QCM 2003	Total Quality Tools and Techniques	N/A	4
<b>General Education Courses</b>			
MAT 1001	College Mathematics	4	4
PHY 1001	College Physics	3	3
SPH 2001	Fundamentals of Public Speaking	N/A	3
ENG 1001	English Composition	N/A	3
HIS 1001	American History: 1865 to Present	N/A	3
SOC 1001	Modern Sociology	N/A	3
Other Courses			
CAR 2001	Career Exploration	N/A	1
<b>Total Credit Hours</b>		43	68
<b>Total Terms</b>		5	8
<b>Total Months</b>		10	15

## Aviation Flight

17 Months – Associate of Applied Science Degree

**CIP Code:** 49.0199 and D.O.T. Airplane Pilot Commercial 196.263-014

**Type of instruction:** On-Ground with the option for online general education courses.

The Aviation Flight program is approved by the Federal Aviation Administration (FAA) and meet the requirements established in the Code of Federal Regulations, Title 14, Chapter 1, Subchapter H, Part 141.

This program is designed to provide the necessary education and entry-level skills that will prepare students as commercial pilots and for five (5) FAA certifications (Private Pilot Airplane; Instrument Rating Airplane; Commercial Pilot Airplane Single and Multi-Engine; Certified Flight Instructor Airplane; Certified Flight Instructor Instrument Airplane). A commercial pilot acts as a pilot in command of an aircraft that is carrying passengers or property for compensation. The ground school courses equip students with the academic knowledge to safely and efficiently perform flight duties and also prepare them for their required FAA written examinations. The flight training prepares students for their respective FAA Flight tests in accordance with the FAA Practical Standards. Aviation safety or Airman Certification Standards, professionalism, and precision flying are emphasized in all courses.

Note: FAA Knowledge tests must be passed within 30 days from date of graduation (completion) from the final ground module course.

For a brief synopsis of each course, refer to the section titled **Course Descriptions**.

Course Outline		Credit Hours
<b>Technical Courses</b>		
AVE 1112	Private Pilot Module 1 (Introduction to Aviation)	2
AVE 1122	Private Pilot Module 2 (Fundamentals of Flight)	2
AVE 1132	Private Pilot Module 3 (Aerodynamics and Aircraft Systems)	2
AVE 1142	Private Pilot Module 4 (Aircraft Performance and Weather)	2
AVE 1152	Private Pilot Module 5 (Preflight Preparation and Flight Planning)	2
AVE 1162	Private Pilot Module 6 (Private Pilot Knowledge Review and Examination)	2
AVE 1212	Instrument Module 1 (Attitude Instrument Flight and Flight Instruments)	2
AVE 1222	Instrument Module 2 (Weather Theory and Flight Information)	2
AVE 1232	Instrument Module 3 (Air Traffic Control Procedures and Navigation Systems)	2
AVE 1242	Instrument Module 4 (Instrument Flight Navigation and Enroute Procedures)	2
AVE 1252	Instrument Module 5 (Instrument Flight Planning and Approach Procedures)	2
AVE 1262	Instrument Module 6 (Instrument Rating Knowledge Review and Examination)	2
AVE 2112	Commercial Module 1 (Advanced Systems and Fundamentals of Flight)	2
AVE 2122	Commercial Module 2 (Advanced Flight Control and Systems)	2
AVE 2132	Commercial Module 3 (Flight Physiology and Crew Resource Management)	2

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Course Outline		Credit Hours
AVE 2142	Commercial Module 4 (Multiengine Operations and Emergency Maneuvers)	2
AVE 2152	Commercial Module 5 (Navigation and Flight Planning)	2
AVE 2162	Commercial Module 6 (Advanced Flight Planning and Operations)	2
AVE 2172	Commercial Module 7 (Federal Aviation Regulations and ADM)	2
AVE 2182	Commercial Module 8 Commercial Pilot Knowledge Review and Examination)	2
AVE 2212	CFI Module 1 (Testing and Measurement)	2
AVE 2222	CFI Module 2 (Practical Flight Instructor Airplane)	2
AVE 2232	CFI Module 3 (Educational Psychology)	2
AVE 2242	CFI Module 4 (Practical Flight Instructor Instrument)	2
AVF 1564	Private Pilot Certification – Airplane - Flying	4
AVF 2543	Instrument Rating – Airplane – Airplane Flying	3
AVF 2585	Commercial Pilot Certification – Airplane SEL/MEL – Flying	5
AVF 2652	Certified Flight Instructor – Flying	2
AVE 2312	CFII Module 1 (Educational Psychology)	2
AVE 2322	CFII Module 2 (Practical Certified Flight Instructor Instrument)	2
AVF 2671	Certified Flight Instructor Instrument – Flying	1
<b>General Education Courses</b>		
MAT 1001	College Mathematics	4
PHY 1001	College Physics	3
SPH 2001	Fundamentals of Public Speaking	3
ENG 1001	English Composition	3
HIS 1001	American History: 1865 to Present	3
SOC 1001	Modern Sociology	3
<b>Other Courses</b>		
CAR 2001	Career Exploration	1
<b>Total Credit Hours</b>		87
<b>Total Terms</b>		26 – Six Week 2 – Two Week
<b>Total Months</b>		17

## **Technology Management (Hybrid delivery – online and on-ground courses) Technology Management – DE (100% Distance Education)**

31 Months – Bachelor of Science Degree

**CIP Code:** 52.0201 and examples of D.O.T. codes: Aircraft Maintenance Supervisor 621.131-014, Field Service Representative Supervisor 621.221-010, and Airplane Pilot Commercial 196.263-014

### **Type of instruction:**

Technology Management is a combination of online and on-ground courses

Technology Management – DE is offered only online

The two bachelor programs are separately approved; however, the courses and format are identical. The only difference between the two programs is whether the student takes the program 100% online or a hybrid of online and on-ground courses.

The purpose of the Bachelor of Science in Technology Management (Hybrid or Distance Education Version) is to build and strengthen business and management acumen within technological industries.

Students earn at Spartan or transfer according to the transfer policy thirty (30) credits of coursework in a technology field of their choice. Some examples of these fields include but are not limited to: Aviation Maintenance Technology; Avionics/Aviation Electronics Technology; Nondestructive Testing Technology; Aviation Flight; Automotive Technology; Heating, Ventilation, and Air Conditioning; Welding; Construction; and other specialties.

Students combine their technical training with education in communication, quantitative reasoning and critical thinking, as well as business management to prepare them to meet challenges in the field. Graduates of the Technology Management B.S. degree program are more well-rounded, and with experience working in the technology field, will be more prepared for future opportunities including entry-level management.

### **Technical Elective Courses**

Students earn at Spartan or transfer from another accredited post-secondary institution thirty (30) credits of technical coursework in a technology field of their choice. Some examples of these fields include but are not limited to: Aviation Maintenance Technology; Avionics/Aviation Electronics Technology; Nondestructive Testing Technology; Aviation Flight; Automotive Technology, Heating, Ventilation, and Air Conditioning; Welding; Construction; and other specialties.

Note: It is possible to be awarded credits from Spartan for certifications earned through the Federal Aviation Administration (FAA). Please refer to the catalog Transfer Credit Policy for more information.

### **Transfer Credit Example**

When a student is approved to transfer in 30 elective credits, the student's account will be credited using the calculation 30 credits x the current credit hours cost. The overall length of the program will be reduced from 31 months to 23 months after the transfer of credits have been applied.

### **Transfer Credit Policy: Bachelor of Science Degree Programs**

In addition to the standard transfer credit policy:

Elective credits may be transferred into the bachelor program after initial enrollment for flight training; however, please refer to the timely progression checkpoint rules below. Technical elective courses (non- flight) must be transferred prior to initial enrollment.

Non-elective credits approved for transfer into the bachelor program must be transferred before the course is scheduled in the student's program.

To ensure timely progression through the program, flight training elective credits must be transferred by these checkpoints.

1. At least 15 elective credits within six months of initial enrollment (i.e. Private Pilot certification).
2. Remaining 15 elective credits prior to completion of the final term (i.e. Certified Flight Instructor certification).

The maximum transfer credit percentage (elective and non-elective) remains at 75% of the program. A student must complete at least 25% of the credits in the program through Spartan.

### **Transfer Credit Policy: FAA Certification Equivalencies**

The diploma and AAS programs allow full transfer credit values; however, the maximum transfer credit percentage remains at 75% of the program. A student must complete at least 25% of the credits in the program through Spartan.

The B.S. in Technology Management program will only allow a **maximum of 30 elective credits**. For example, if you have an A&P certification that equates to 60 semester credits, you will only be awarded 30 credits towards your B.S. degree program.

Military Training: A maximum of 30 elective credits can be awarded for military experience through bypass exam(s) as permitted by FAA 147.31.

### **Admission Requirements: Bachelor of Science Degree Programs**

In addition to the standard admission requirements, to enroll in the bachelor programs, technical students (non-flight) are required to have their diploma/degree completed and be working in or have previous experience in the technical field. To validate this experience, students may be required to submit transcripts, certifications, and/or work history.

To enroll in the bachelor programs, flight students must have private pilot certification completed and be currently enrolled in a flight training program leading to Certified Flight Instructor (CFI) rating.

Graduates of the Technology Management programs are more well-rounded, and with the required experience working in the field, will be more prepared for future opportunities including entry-level management.

The Dean of Academic Affairs (or designee), in conjunction with academic department and registration services, determine whether courses are appropriate for transfer to Spartan College as specific equivalent courses

For a brief synopsis of each course, refer to the section titled **Course Descriptions**.

Course Outline		Credit Hours
<b>Occupational (Technical) Field Electives</b>		30
<b>Core Courses</b>		
BUS 1001	Introduction to Business	3
ACC 2001	College Accounting	3
MGT 1001	Business Ethics	3
BIM 1001	Computer Proficiency	3
BUS 2001	Elementary Statistics for Business	3
QCM 2001	Philosophy of Quality Management	4
QCM 2002	ISO 9000 and Total Quality Management (The Relationship)	4
QCM 2003	Total Quality Tools and Techniques	4
BUS 3001	Business Law	3
MGT 3001	Fundamentals of Management	3
BUS 3002	Business Communication	3
MKT 3001	Introduction to Marketing	3
FIN 3001	Financial Management	3
MGT 4001	Human Resource Management	3
MGT 4002	Management Information Systems	3
MGT 4003	International Business Practices	3
MGT 4004	Business Strategies	3
MGT 4005	Research in Technology Management	4
<b>General Education Courses</b>		
ENG 1001	English Composition	3
SPH 2001	Fundamentals of Speech	3
ENG 2001	English Composition II - Technical Writing	3
SOC 1001	Modern Sociology	3
PSY 2001	Psychology	3

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<b>Course Outline</b>		<b>Credit Hours</b>
ECN 2001	Introduction to Economics	3
HIS 1001	American History: 1865 to Present	3
HIS 2001	Aviation History	3
MAT 1001	College Mathematics (considered Gen Ed and Technical)	4
PHY 1001	College Physics (considered Gen Ed and Technical)	3
<b>Other Courses</b>		
CAR 1001	Career Exploration	1
<b>Total Credit Hours</b>		120
<b>Total Terms</b>		16
<b>Total Months</b>		31

### **Avocational: Private Pilot (FAA Part 61) – Flying**

Students receive Federal Aviation Administration (FAA) required training in aeronautical knowledge subjects and receive flight training in FAA required flight proficiency areas of operation to prepare for a Private Pilot Certificate – Airplane Single Engine Land. The procedures include: Landings and Go-arounds; Performance Maneuvers; Ground Reference Maneuvers; Navigation; Slow-flight and Stalls; Basic Instrument Maneuvers; Emergency Operations; Night Operations; and Post-flight Procedures. The ground course (theory-based instruction) minimum includes twenty-five (25) hours of online ground instruction. Upon satisfactory completion of the online ground instruction, the student will be prepared to attempt the FAA Private Pilot Knowledge Test. The flight course minimums include thirty (30) hours of dual flight instructions and ten (10) hours of solo flight training. The student will be prepared to attempt the FAA Private Pilot Airplane Single Engine Land Practical Test. Prerequisite: FAA Student Pilot Certificate and a current Basic Med, Third (3rd) Class or Higher FAA Medical Certificate.

### **Avocational Course Disclosures**

1. The course is not vocational in nature and does not lead to initial employment.
2. The course takes a minimum of sixty-five (65) clock hours, which may take approximately twelve (12) months to complete on average assuming weekend flying; however, the time it takes to master the skills and information and earn the FAA certification is completely dependent upon each individual student.
  1. Student flight time is charged based on time. Please see fee schedule.
  2. The FAA requires a minimum number of hours; however, each student is different and may take longer and more hours to master the skills and information required to earn a Private Pilot Certification.
  3. Additional fees such as test fees, online ground school fees, etc. are outlined in the enrollment agreement and are subject to change.
3. This course is not eligible for Title IV financial aid.
4. Educational scope of the course or description: This Course is designed for students wishing to learn the skills and information required to take the FAA exam for the Private Pilot certification, which is a type of pilot certificate that allows the pilot to act as pilot in command of an aircraft carrying passengers (not for reimbursement).
5. The course is a prerequisite to other FAA certification courses. The next Spartan College course in line would be: AVF 2543 – Instrument Rating – Airplane – Flying and is offered within the Spartan College associate degree program.
6. The course does not provide credit toward any vocational program offered within the school; however, at times, earned Federal Aviation Administration certifications may be eligible for transfer credits. Refer to the College’s transfer credit policy.
7. Successful completion is not measured by the minimum sixty-five (65) hours. Successful completion is measured by mastery of the skills and information based on FAA required levels of competency. Upon successful completion of the FAA Private Pilot Airplane Single Engine Land Practical Test, students will receive a certificate of completion. At that time, students are eligible to take the exam with the FAA for the Private Pilot Certificate.

8. The refund policy for the course can be found below.
9. Please refer to the Student Complaints or Grievances section of the College Catalog should the need arise.

**Avocational Admission Requirements**

Minors will need parental permission. Must be 16 years of age. The FAA requires a person to be 16 years of age to solo and 17 years of age to take the private pilot check ride. The “private pilot check ride” occurs at the end of the course. Medical certifications required prior to start are: Current Basic Med, Third (3rd) Class or Higher FAA Medical Certificate

**Avocational Tuition and Fees**

Course Title	Clock Hrs.	Per Hour Flight Fees	Per Hour Ground Lesson	Ground Course Theory-Based Online Fees	Insurance	*Estimated Course Cost Based on Minimum Hours
Private Pilot (FAA Part 61) - Flying	65 minimum	\$205	\$75	\$426 (389+Tax)	\$150	\$10,651

Please refer to this Catalog Supplement for other fees such as those assessed for Federal Aviation Administration Testing.

\*Minimums include 25 Hours of Online Ground Instruction, 30 Hours of Dual Flight Instruction, and 10 Hours of Solo Flight Training (40 Hours of Total Minimum Flight).

**Avocational Course Refund Policy**

**REFUND AND CANCELLATION POLICY**

This refund and cancellation policy is based upon fairness to the student and the College. It is expressly understood and agreed that any refunds shall be made only in accordance with the following terms and conditions except that, if the home state/residence of a student has a refund and cancellation policy more favorable than the policy of the College, the state policy will apply. This refund policy applies only to tuition and administrative fees. Sales of books, tools and other items from the student stores are considered final and are not subject to the refund policy. Any monies due applicants or students shall be refunded within 30 calendar days from the student’s official withdrawal date due to cancellation, withdrawal, termination, or failure to appear on or before the first day of a term. Special cases - In case of student prolonged illness or accident, death in the family, or other circumstances that make it impractical to complete the course, the school shall make a settlement which is reasonable and fair to both. Discontinued class - If a class is discontinued by a school while students are still enrolled in that class, and the school is still offering training in other areas, all monies (student loan, grant, and etc.) paid the school for students enrolled in the class at the time it is discontinued shall be refunded to the entity legally entitled to the refund. A school shall have thirty (30) days to restart the class or pay the refund.

All refunds will be calculated from the last date of actual attendance. If a student does not start classes, all prepaid tuition will be refunded. All refunds will be made to the company, organization, or financial aid lender that paid the student’s tuition. Tuition payments in excess of, or not paid by a company, organization, or financial aid lender will be refunded to the student account holder.

**CANCELLATION BEFORE COMMENCEMENT OF CLASSES (BUYER’S RIGHT TO CANCEL)**

Applicant may cancel this Agreement in writing at any time before commencement of his/her classes. If the Applicant cancels this Agreement in writing within seven (7) calendar days of his/her execution of this Agreement, Applicant shall receive a refund of all monies paid under this Agreement. See the attached Notice of Cancellation for an explanation of this right. If the Applicant cancels this agreement in writing more than seven (7) calendar days after his/her execution of the Agreement but before the start of classes, the College will retain any applicable Application Fee (a/the cancellation charge) and refund any other monies paid under this Agreement. Applicants who have not visited the College prior to enrollment will have the opportunity to withdraw without penalty within seven (7) calendar days following either attendance at a regularly scheduled orientation or following a tour of the College facilities and inspection of equipment.

**TERMINATION OR WITHDRAWAL AFTER COMMENCEMENT OF CLASSES / REFUND POLICY**

New students have the right to cancel any time through the 7th calendar day of their first term of enrollment and will be entitled to a full refund of all tuition and fees paid and a reversal of all charges for tuition and fees other than any materials that are not returned. Beyond the 7th calendar day, students will be charged tuition by the payment period.

This refund policy applies only to Tuition and Fees. Sales of books, Tools and other items from Spartan College are considered final and are not subject to this refund policy. Any monies due applicants or students shall be refunded within 30 calendar days from the student’s termination date.

Student is entitled to upon withdrawal/termination *	Refund
After the first week but within first 75% of the course	Percentage of course not attended less cancellation charge, exclusive of books, tools, and supplies
After 75% of the course	No Refund

\* The refund is based on the official date of termination or withdrawal. The above calculations are performed on a term-by-term basis as determined by the term in which a student withdrew.

## **ESL Course**

The College's ESL course includes an immersive language skills development program. The College's curriculum leverages and integrates DynEd International ([www.dyned.com](http://www.dyned.com)) ESL courseware and is instructor led in both classroom and laboratory environments. The curricula include classroom and computer-based training methods of instruction. The College will infuse STEM and aviation terminology into this curriculum with increasing levels of content as the student progresses through the coursework. The College will supplement the DynEd curricula with aviation terminology taken extensively from the College's several vocational programs (aviation maintenance technology and aviation electronics technology programs), from the AMA Dictionary of Aeronautical Terms and DynEd's Aviation English module.

**Note: The 600-clock hour ESL Course is approved as a "course"; however, it is sometimes referred to as a program, as there are sections, otherwise known as courses, within the 600 hours (seven months).**

### **ESL Course Disclosures**

1. The ESL course is not vocational in nature and does not lead to initial employment.
2. The course is 600 clock hours, which will take seven months to complete. Please see above for specific Course Description information.
3. Educational scope of the course or description: This Course is designed for students wishing to enroll in a Spartan College vocational program at the school, but whose English language skills are insufficient to pass entrance requirements.
4. The course is not a prerequisite and does not provide credit toward any vocational program offered within the school. Instead, this course is optional to help students improve their English language skills in preparation to apply to one of the College's approved programs. All students in vocational programs must meet the admissions requirements, which includes passing the basic skills test and, for non-native English speakers, achieving the required score on the TOEFL.
5. Upon successful completion of the ESL 600 clock hour course, students will receive a certificate of completion.
6. The refund policy for the ESL course can be found just after the Tuition and Fees section below.
7. Please see the College Catalog for questions related to Student Complaints or Grievances.

Course Composition. The 600-clock hour course includes an initial placement test to assign students to a level of learning appropriate for their entry level of English language proficiency. The coursework comprises nine (9) distinct sections (also referred to as individual courses), one or more of which students will complete, based on entry level proficiency. The courses are comprised of commercially available software augmented and infused with STEM and aviation terminology and contextual usage.

**It is important to understand that while a student may test out of basic sections within the 600 clock hours, this does not change the price or total clock hour requirement of the course.**

**Instead, a student that tests out of sections will simply have more time to master and complete the more advanced sections. The approved course requires 600 clock hours.**

Admissions Requirements: Students must meet the same requirements as other Spartan College programs except for the Basic Skills Test and TOEFL Test scores. These tests can be taken or repeated during or after the ESL course should a student wish to advance to a Spartan program such as Aviation Maintenance Technology. All students from the ESL course will be required to show proof of meeting the Basic Skills Test and TOEFL Test requirements before they can enroll in a (non-ESL) Spartan College Program.

**The College encourages that students use their own translator during the admission process to ensure that they are fully informed of the requirements, costs, and outcomes of the ESL course.**

Tuition and Fees:

COURSE TITLE	Clock Hrs.	Tuition	Software Subscription	IT Equipment Fee	Total Course Cost
ESL Course	600	\$16,695	\$525	\$875	\$18,095

**Fees are based on the required six hundred (600) clock hours.**

Successful completion of the program results in a certificate of completion.

The course can be repeated if the student does not successfully complete in 600 clock hours. In that event, a new Enrollment Agreement and course fees will be assessed.

ESL Course Refund Policy

A student of the school or college who withdraws from the ESL course in which the student is enrolled:

The Institutional refund policy will be applied as follows

- A) Tuition and fees will be charged at the beginning of the course in full.
- B) Withdrawal within the first week of the program: Spartan College shall retain a maximum of \$350.00 of tuition. (OBPVS 565:10-11-3. Refunds)
- C) Withdrawal after the first week of the course start but within 25% of the course: Spartan College will retain 25% of the course Tuition.
- D) Withdrawal after 25% of the course but within 50% of the course: Spartan College will retain 50% of the course Tuition.
- E) Withdrawal after more than 50% of the course: Spartan College will retain 100% of the Course Tuition

Special cases. In case of documented student prolonged illness or accident, death of immediate family, or other circumstances that make it impractical to complete the course, the school shall make a settlement which is reasonable and fair to both. (OBPVS 565:10-11-3. Refunds)

Discontinued class. If a class is discontinued by a school while students are still enrolled in that class, and the school is still offering training in other areas, all monies (student loan, grant, etc.) paid the school for students enrolled in the class at the time it is discontinued shall be refunded to the entity legally entitled to the refund. A school shall have thirty (30) days to restart the class or pay. (OBPVS 565:10-11-3. Refunds)

This refund policy applies only to Tuition and Fees. Sales of books, Tools and other items from Spartan College are considered final and are not subject to this refund policy.

Any monies due applicants or students shall be refunded within 30 calendar days from the student's official withdrawal date for institutional refunds and within 45 days for return to Title IV refunds.

#### Individual Course/Section Completion (**individual sections within the 600 clock hours**)

Requirements: Course completion requires completion of 80 percent of each section of the applicable course and the passing of all intermediate and end-of-course mastery tests.

Minimum passing score on all mastery tests is 85 percent. Students that fail any mastery test, must retake the test a minimum of seven (7) days and six (6) hours of DynEd CBT study after the same failed mastery test. Examinations are computer based and are mechanized to deter and prevent plagiarism.

Full Course Completion (**All 600 Clock Hours**) / Certification Requirements: Program completion occurs when the student completes the required courses (minimum 20 hours), the instructor physically unlocks the appropriate certification CBT test, the student passes the associated end-of-course mastery test(s) and achieves a minimum required score (B1) on the certification examination as aligned to the Common European Framework of Reference for Languages (CEFR). The CEFR B1 level certification identifies students who complete this course that can understand the main points of clear, standard input on familiar matters regularly encountered in work, school, and leisure. They can communicate on topics that are familiar or of personal interest and describe their experiences and events, dreams, hopes and ambitions, and briefly give reasons and explanations for their opinions. DynEd's "Analytics System" assists the instructor in identifying when the student has met CEFR certification standards. Alternatively, students may test using TOEFL or other recognized assessment as stated in the College's English Language requirements (above). Upon successful program completion, students will also take a skills assessment prior to matriculating to the College's programs.

## ESL Module Descriptions

### Basic Level Sections/Courses (as applicable, based on initial assessment of English language proficiency level)

**ASE 1001 – First English.** First English is an English language learning course for beginners. It has been designed specifically to help students succeed in a school setting. The course starts at a beginning level and systematically helps students comprehend, practice, internalize and build the core framework of English necessary for long-term success. The course's visuals and comprehension exercises engage the learner in ways that a text-based approach cannot. Language items appropriate for this age group are modeled, practiced, reviewed and recycled in an

expanding spiral sequence so that students build on what they have learned, step-by-step. (90 Theory Hours, 30 Lab Hours)

**ASE 1002 – New Dynamic English.** (Core course) New Dynamic English is a multimedia course for beginning through advanced-level students of spoken English. Created by experienced teachers and based on classroom-proven instructional strategies, New Dynamic English maximizes the effectiveness of multimedia by focusing on the key skill necessary to acquire language: listening. (300 Theory Hours, 100 Lab Hours)

#### **Intermediate Level Sections/Courses (one or more courses required to meet minimum English proficiency level)**

**ASE 2001 – The Lost Secret.** The Lost Secret is a video-based, supplementary course in spoken English. This English language course provides listening and speaking tasks that motivate students to learn English in new ways. Within this drama, the English language is presented and sequenced through a complete structural and functional syllabus, beginning at an elementary level and progressing to an intermediate level. The language used throughout is British and American English, spoken naturally and in context by a cast of highly acclaimed actors. (90 Theory Hours, 30 Lab Hours)

**ASE 2002 – Dynamic Business English.** This 6-part course develops listening, oral fluency, and presentation skills. The focus is on major themes that are universal in business, including employee and company history, job description, areas of responsibility, product comparisons, decision making, and planning. As students go through the course, they develop their listening comprehension, oral fluency, meeting skills, and confidence in English. The course focuses on the language concepts, grammar, and vocabulary needed to communicate in business situations across a wide range of industries. Information questions and answers, oral presentations, and interviews form the core of the course. Ideally, these skills need to be developed in classroom activities or in other teacher-supported interactions that support the course. A comprehensive Teacher's Guide is available, with classroom suggestions, handouts, and suggestions for further extension. (60 Theory Hours, 20 Lab Hours)

**ASE 2003 – English by the Numbers.** This course prepares students to make presentations involving numbers and graphs. Students learn to ask and answer questions about quantitative relationships. Topics include energy, health, safety, and job issues. English by the Numbers helps develop the skills to do business over the phone, understand and make numerical presentations in English, and participate in question-and-answer sessions involving the exchange of numerical information. (60 Theory Hours, 20 Lab Hours)

**ASE 2004 – Aviation English.** Aviation English for Pilots has 6 units, built around a core language syllabus designed to develop listening and speaking fluency. The aviation focus is on communication examples. Dialogs and examples include exchanges provided by NASA, industry associations, public transcripts, and original materials written to specification by experts to illustrate key points.

Each unit presents language examples of normal and non-normal situations, spoken with a variety of voices and background noise. In addition to dialogs and comprehension questions, each unit has exercises that develop pronunciation, oral fluency, vocabulary and syntax. (60 Theory Hours, 20 Lab Hours)

#### **Advanced Level Sections/Courses (optional courses above College's minimum English proficiency level)**

**ASE 3001 – Functioning in Business.** Functioning in Business is a video-based business English course. It prepares students to deal with a range of common business situations. The language of the course is presented in the context of an executive's business trip to the US. Video presentations and interactive exercises give students the chance to learn and practice the language necessary to operate successfully in business interactions such as making an appointment, meeting in a restaurant or hotel, and supervising a co-worker.

In addition to listening and speaking skills, Functioning in Business focuses on general business vocabulary and important language functions, such as requesting, refusing, suggesting, confirming, and clarification. Ideally, these

points can be developed further in classroom activities or in other teacher-supported interactions that support the course. (60 Theory Hours, 20 Contact Hours)

**ASE 3002 – Advanced Listening.** Advanced Listening is a strategy-based listening course for advanced ESL/EFL students built around authentic lectures from university professors. The lectures include real video segments of actual presentations, including a Pulitzer Prize winner and a MacArthur Foundation "genius grant" recipient. Advanced Listening specifically develops high-level listening and note-taking skills for those striving to succeed in academic or professional environments. (60 Theory Hours, 20 Contact Hours)

**ASE 3003 – Dialogue.** Dialogue is a supplementary course that uses interviews originally broadcast on an international television network with international experts on topics of general interest as the basis for focused listening practice. This advanced content is suitable for higher-level learners preparing for university lectures, discussion groups, conference participation or international business presentations and discussions in English. (60 Theory Hours, 20 Contact Hours)

## Course Descriptions

### **Aviation Maintenance Technology – Aviation Maintenance Technology Hybrid**

**GEN1001LEC - Basic Electricity Lecture** | 2 Semester Credits (60 Didactic Hours)

Prerequisites: MAT1001, PHY1001

Corequisite: GEN1001LAB

In this course, students will study scientific laws and theories of electricity and its application to aircraft systems, components, and circuits. Concepts studied include fundamentals of magnetism, DC circuits, and AC circuits. In addition, students study the use of electrical measuring instruments, multi meters, and basic troubleshooting procedures. Also, included in this course is the study of electrical schematics and their application to aircraft. Upon successful completion of this course, students should have a sound foundation of electrical theory and its application to aircraft systems and components, as well as knowing how to read and apply basic electrical schematics to aircraft.

**GEN1001LAB - Basic Electricity Lab** | 2 Semester Credits (63.5 Lab Hours)

Prerequisites: MAT1001, PHY1001

Corequisite: GEN1001LEC

In this course students will perform all lab activities related to Basic Electricity. Students study scientific laws and theories of electricity and its application to aircraft systems, components, and circuits. Concepts studied include fundamentals of magnetism, DC circuits, and AC circuits. In addition, students study the use of electrical measuring instruments, multi meters, and basic troubleshooting procedures. Students will perform analysis of electrical circuits and determine resistance, current, voltage, inductance, capacitance, impedance, and power. Also, included in this course is the study of electrical schematics and their application to aircraft. Upon successful completion of this course, students should have a sound foundation of electrical theory and its application to aircraft systems and components, as well as knowing how to read and apply basic electrical schematics to aircraft.

**GEN1002LEC - Aviation Science Lecture** | 2 Semester Credits (59 Didactic Hours)

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB

Corequisite: GEN1002LAB

This course will continue the study of electrical concepts to include, batteries, and additional information on reading and interpreting aircraft electrical circuit diagrams that include digital and solid-state circuits and logic functions. Students study aircraft drawings of aircraft parts and repairs. This course will also contain a detailed study of aviation materials and processes. This includes the basic knowledge in the use of basic mechanics hand

tools, hardware and safety methods, principles of nondestructive testing including eddy current, ultrasonic, magnetic particle and dye penetrant procedures. Students will study precision measurement equipment including micrometers, calipers and dial indicators. Students will learn about the various types of fluid lines and fitting used in the aircraft. In addition, the students will study the concepts of aircraft cleaning and corrosion control methods and techniques and corrosion inspections. Upon successful completion of this course, students should have knowledge of servicing batteries, reading wiring diagrams, reading and completing drawings, demonstrate knowledge of aircraft materials and processes, aircraft fluid lines and corrosion control process.

**GEN1002LAB - Aviation Science Lab | 2 Semester Credits (64.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB

Corequisite: GEN1002LEC

This course will complete the lab requirements of electrical concepts to include, batteries, and additional information on reading and interpreting aircraft electrical circuit diagrams that include digital and solid-state circuits and logic functions. Students make drawings of aircraft parts and document repairs to aircraft parts. This includes the skills in the use of basic mechanics hand tools, identifying hardware and using safety methods. Labs will be performed in nondestructive testing including eddy current, ultrasonic, magnetic particle and dye penetrant procedures. Students will use precision measurement equipment including micrometers, calipers, and dial indicators. Students will fabricate the various types of fluid lines and fitting used in the aircraft. In addition, the students will perform aircraft cleaning, corrosion control techniques, and perform a corrosion inspection. Upon successful completion of this course, students should be able to service batteries, read wiring diagrams, read and complete aircraft part drawings, demonstrate hands on knowledge of aircraft materials and processes, aircraft fluid lines and corrosion control processes.

**GEN1003LEC – Aviation Maintenance Practices Lecture | 2 Semester Credits (71.5 Didactic Hours)**

Prerequisites: MAT1001 PHY1001

Corequisite: GEN1003LAB

This course covers topics, including technical writing in maintenance publications and maintenance forms and records, Students will read, select, and use FAA and manufacturer's aircraft maintenance specifications, data sheets, manuals, publications, technical data, related Federal Aviation Regulations and aircraft records keeping. The course covers a detailed study of aircraft weight and balance. The student will also study maintenance human factors which affect aircraft maintenance as well as mechanics privileges and limitations. Upon successful completion of this course, students should be able to read in interpret maintenance publication, complete aircraft maintenance forms and records, understand basic ground operations and servicing of aircraft, visualize the weighing of an aircraft and perform all calculations, be aware of mechanic privileges and limitations and understand Human Factors that can affect aircraft maintenance.

**GEN1003LAB – Aviation Maintenance Practices Lab | 2 Semester Credits (52 Lab Hours)**

Prerequisites: MAT1001 PHY1001

Corequisite: GEN1003LEC

This course covers all lab requirements for Aviation Maintenance Practices. Topics, including technical writing in maintenance publications and maintenance forms and records, Students will read, select, and use FAA and manufacturer's aircraft maintenance specifications, data sheets, manuals, publications, technical data, related Federal Aviation Regulations and aircraft records keeping. The course also incorporates aircraft ground operations and servicing procedures with several different lab projects. The course covers a detailed study of aircraft weight and balance, including the actual weighing of an aircraft. The student will also study maintenance human factors which affect aircraft maintenance as well as mechanics privileges and limitations. Lab projects for these topics are performed enhance classroom lecture. Upon successful completion of this course, students should be able to read in interpret maintenance publication, complete aircraft maintenance forms and records, perform basic ground operations and servicing of aircraft, weigh aircraft and perform all calculations, be aware of mechanic privileges and limitations and understand Human Factors that can affect aircraft maintenance.

**AFP1001LEC - Electrical and Fire Protection Systems Lecture | 2 Semester Credits (67.5 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB

Corequisite: AFP1001LAB

This course provides study of airframe and powerplant electrical systems, including inspection and repair of components and related wiring, power distribution, and circuit troubleshooting. This course includes a detailed study of electrical schematics and their application and troubleshooting. This course also covers the study of various aircraft fire protection, detection, and extinguishing systems. Upon successful completion of this course students should know how to read and apply electrical schematics and understand the operation of aircraft fire protection systems.

**AFP1001LAB - Electrical and Fire Protection Systems Lab | 2 Semester Credits (56 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB

Corequisite: AFP1001LEC

In this course the student will perform lab activities related to Electrical and Fire Protections Systems. Students study airframe and powerplant electrical systems, including inspection and repair of components and related wiring, power distribution, and circuit troubleshooting. This course includes a detailed study of electrical schematics and their application and troubleshooting. This course also covers the study of various aircraft fire protection, detection, and extinguishing systems. Upon successful completion of this course, students should be able to troubleshoot and repair airframe electrical systems, know how to read and apply electrical schematics, and understand the operation and repair of aircraft fire protection systems.

**ARF2001LEC - Metallic Structures Lecture | 2 Semester Credits (50 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB

Corequisite: AFP2001LAB

In this course, aircraft sheet metal structures and different fastening methods are studied in detail. Upon successful completion of this course, students will have the basic knowledge required of an aircraft maintenance technician related to metallic structures.

**ARF2001LAB - Metallic Structures Lab | 2 Semester Credits (73.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB

Corequisite: AFP001LEC

In this course the student will complete all lab requirements for Metallic Structures. Topics include aircraft sheet metal structures and different fastening methods and are performed in detail. Students will accomplish a wide variety of lab projects leading to an understanding of subject material. Upon successful completion of this course, students will be able to perform all basic tasks required of an aircraft maintenance technician related to metallic structures.

**ARF2002LEC - Non-Metallic Structures Lecture | 2 Semester Credits (52 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, ARF2001LEC, ARF2001LAB

Corequisite: AFP2002LAB

Students in this course will learn about composite structures including fiberglass, Kevlar, various core materials, and Plexiglass. Also covered in this class are wood structures, fabric coverings, and aircraft finishes. Upon successful completion of this class, students should be able to explain aircraft wood and fabric.

**ARF2002LAB - Non-Metallic Structures Lab | 2 Semester Credits (71.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, ARF2001LEC, ARF2001LAB

Corequisite: AFP2002LEC

Students in this course complete lab requirements for composite structures including fiberglass, Kevlar, various core materials, and Plexiglass. Extensive lab work will enhance learned objectives. Also covered in this class are wood structures, fabric coverings, and aircraft finishes. Upon successful completion of this class, students should

be able to accomplish aircraft composite structure work and be able to explain aircraft wood and fabric. Students should also apply the finish to an aircraft.

**ARF2003LEC - Hydraulics and Landing Gear Systems Lecture | 2 Semester Credits (60 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB

Corequisite: ARF2003LAB

The theory in operation and maintenance of aircraft hydraulic and pneumatic systems are covered. The troubleshooting, maintenance, and repair knowledge of both systems is stressed. Aircraft landing gears, including retraction systems, oleos, brakes, wheels, and tires, are also studied. This course also includes study of aircraft position and warning systems. Upon successful completion of this course, students should be able to understand concepts of aircraft hydraulic and pneumatic systems, aircraft landing gears, and understand the concepts of aircraft position and warning.

**ARF2003LAB - Hydraulics and Landing Gear Systems Lab | 2 Semester Credits (63.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB

Corequisite: ARF2003LEC

In this course the student will complete all lab requirements for Hydraulic and Landing Gear Systems. Topics include operation, and maintenance of aircraft hydraulic and pneumatic systems. The troubleshooting, maintenance, and repair of both systems is stressed. Aircraft landing gears, including retraction systems, oleos, brakes, wheels, and tires, are also studied. This course also includes study of aircraft position and warning systems. Upon successful completion of this course, students should be able to troubleshoot and repair aircraft hydraulic and pneumatic systems, aircraft landing gears, and understand the concepts of aircraft position and warning.

**ARF2004LEC - Comm/Nav and Instrument Systems Lecture | 2 Semester Credits (71.5 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, AFP1001LEC, AFP1001LAB

Corequisite: ARF2004LAB

This course covers the theory, operation, and maintenance of aircraft communication and navigation systems and the wide range of aircraft instrument systems found in today's aircraft. Upon successful completion of this course, students should be able to explain the operation and maintenance of aircraft communication, navigation, and instrument systems.

**ARF2004LAB - Comm/Nav and Instrument Systems Lab | 2 Semester Credits (52 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, AFP1001LEC, AFP1001LAB

Corequisite: ARF2004LEC

This course covers the lab requirements for the operation, and maintenance of aircraft communication and navigation systems and the wide range of aircraft instrument systems found in today's aircraft. Upon successful completion of this course, students should be able to explain and perform the operation and maintenance of aircraft communication, navigation, and instrument systems.

**ARF2005LEC - Airframe Systems Lecture | 2 Semester Credits (71.75 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, AFP1001LEC, AFP1001LAB

Corequisite: ARF2005LAB

This course covers the theory and operation of aircraft cabin atmosphere control systems, ice and rain control systems along with water and waste systems. Aircraft fuel system theory, maintenance, and troubleshooting are also discussed, as well as the basic concepts of welding. Upon successful completion of this course, students should be able to explain the basic operation cabin atmosphere control systems, ice and rain control systems, maintain an aircraft fuel system, and perform basic welding processes.

**ARF2005LAB - Airframe Systems Lab | 2 Semester Credits (51.75 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, AFP1001LEC, AFP1001LAB

Corequisite: ARF2005LEC

The student will conduct lab requirements that covers the theory and operation of aircraft cabin atmosphere control systems, ice, and rain control systems along with water and waste systems. Aircraft fuel system, maintenance, and troubleshooting are also performed, as well as the basic of welding. Upon successful completion of this course, students should be able to explain and perform the basic operation of the cabin atmosphere control systems, ice and rain control systems, maintain an aircraft fuel system, and perform basic welding processes.

**ARF2006LEC - Flight Controls and Airframe Inspections Lecture | 2 Semester Credits (52 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, AFP1001LEC, AFP1001LAB, ARF2001LEC, ARF2001LAB, ARF2002LEC, ARF2002LAB, ARF2003LEC, ARF2003LAB, ARF2004LEC, ARF2004LAB, ARF2005LEC, ARF2005LAB

Corequisite: ARF2006LAB

This course covers the theory of aircraft control surfaces, including system rigging, maintenance, inspection, and troubleshooting. This course also covers the basic theory of rotary wing maintenance and operations. Also covered are the inspection techniques as they to the aircraft structure and its related systems. Upon successful completion of this course, students should know the theory of how to rig a general aviation aircraft, know the basic concepts of rotary wing aircraft and airframe conformity inspections. This course also includes a review and testing period to aid the student in FAA Airframe Certification.

**ARF2006LAB - Flight Controls and Airframe Inspections Lab | 2 Semester Credits (71.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, AFP1001LEC, AFP1001LAB, ARF2001LEC, ARF2001LAB, ARF2002LEC, ARF2002LAB, ARF2003LEC, ARF2003LAB, ARF2004LEC, ARF2004LAB, ARF2005LEC, ARF2005LAB

Corequisite: ARF2006LEC

The student will conduct the required lab that covers aircraft control surfaces, including system rigging, maintenance, inspection, and troubleshooting. This course also covers the basic concepts of rotary wing maintenance and operations. Also covered are the inspection techniques as they to the aircraft structure and its related systems. Upon successful completion of this course, students should be able to rig a general aviation aircraft, know the basic concepts of rotary wing aircraft and perform airframe conformity inspections. This course also includes a review and testing period to aid the student in FAA Airframe Certification.

**PPT2001LEC - Reciprocating Engines Lecture | 2 Semester Credits (52 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB

Corequisite: PPT2001LAB

This course covers the theory and operation of a reciprocating engines. All internal components are studied, along with how each part functions. Upon completion of this course, students should be able to explain the operation of a reciprocating engine.

**PPT2001LAB - Reciprocating Engines Lab | 2 Semester Credits (71.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB

Corequisite: PPT2001LEC

This course covers the lab requirements and operation of a reciprocating engines. All internal components are studied, along with how each part functions. A reciprocating engine is disassembled, measured, reassembled, and timed. Upon completion of this course, students should be able to disassemble and reassemble a reciprocating engine, along with performing critical measurements of the engine's internal components.

**PPT2002LEC - Reciprocating Engine Systems Lecture | 2 Semester Credits (61.75 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, PPT2001LEC, PPT2001LAB

Corequisite: PPT2002LAB

In this course the study of reciprocating engine lubrications, induction and engine airflow systems, engine cooling systems, and engine exhaust systems are covered in detail. Reciprocating engine instrument systems are discussed. Upon completion of this course, students should be able to explain the operation of engine induction, cooling, exhaust, the engine instrument system, and study the concept of the removal and replacement of a reciprocating engine.

**PPT2002LAB - Reciprocating Engine Systems Lab | 2 Semester Credits (61.75 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, PPT2001LEC, PPT2001LAB

Corequisite: PPT2002LEC

In this course the requirements for lab of reciprocating engine lubrications, induction and engine airflow systems, engine cooling systems, and reciprocating engine exhaust systems are performed. Troubleshooting is performed on the reciprocating engine instrument systems. A reciprocating engine is removed and reinstalled. Upon completion of this course, students should be able to inspect, troubleshoot and repair; engine induction, cooling, exhaust, the instrument system and can remove and reinstall an aircraft reciprocating engine.

**PPT2003LEC - Fuel Metering and Propellers Lecture | 2 Semester Credits (71.5 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, PPT2001LEC, PPT2001LAB, PPT2002LEC, PPT2002LAB

Corequisite: PPT2003LAB

In this course, students study the theory and operation of a wide variety of propellers and controlling governors. Reciprocating engine fuel and fuel metering devices, including float carburetors and fuel injection systems, are explained in detail. Upon completion of this course, students should understand all propeller operation and inspection requirements, and can troubleshoot and repair reciprocating engine fuel and fuel metering devices.

**PPT2003LAB - Fuel Metering and Propellers Lab | 2 Semester Credits (52 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, PPT2001LEC, PPT2001LAB, PPT2002LEC, PPT2002LAB

Corequisite: PPT2003LEC

In this class, students will perform the required labs for the operation of a wide variety of propellers and controlling governors. Reciprocating engine fuel metering devices including float carburetors and fuel injection systems are serviced in detail. Upon completion of this class, students should understand and perform all propeller operation and inspection requirements and be able to troubleshoot and repair reciprocating engine fuel metering devices.

**PPT2004LEC - Engine Inspection and Operation Lecture | 2 Semester Credits (52 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, PPT2001LEC, PPT2001LAB, PPT2002LEC, PPT2002LAB, PPT2003LEC, PPT2003LAB

Corequisite: PPT2004LAB

In this course the study of ignition systems, including magnetos, spark plugs, leads, and auxiliary starting systems, are covered in detail. Upon successful completion of this course, students should be able to understand and explain how to troubleshoot, repair, and time an aircraft magneto, and troubleshoot and repair various reciprocating engine systems, explain engine ground operation procedures and explain how to perform an engine inspection.

**PPT2004LAB - Engine Inspection and Operation Lab | 2 Semester Credits (71.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, PPT2001LEC, PPT2001LAB, PPT2002LEC, PPT2002LAB, PPT2003LEC, PPT2003LAB

Corequisite: PPT2004LEC

In this course the lab requirements will be performed on ignition systems, including magnetos, spark plugs, leads, and auxiliary starting systems. A magneto is disassembled, inspected, reassembled, internally timed and timed to the engine. Lab activities include the ground operation, troubleshooting and repairs to various reciprocating engine systems. Students will perform a powerplant conformity inspection using FAA records and manufacturer's publications and manuals. Upon successful completion of this course, students should be able to troubleshoot, repair, and time an aircraft magneto, and troubleshoot and repair various reciprocating engine systems, explain engine ground operation procedures and perform engine inspection.

**PPT2005LEC - Turbine Engine Fundamentals Lecture | 2 Semester Credits (68.5 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, AFP1001LEC, AFP1001LAB

Corequisite: PPT2005LAB

This course studies turbine engine theory of operation as it applies to turbojet, turboprop, and turbofan engines. The course covers in depth the compressor section, diffuser section, combustion section, turbine section, and the exhaust and reverser sections, as well as an in-depth study of auxiliary power units. Upon successful completion of this course, students should be able to explain the theory of operation of turbine engines and auxiliary power units.

**PPT2005LAB - Turbine Engine Fundamentals Lab | 2 Semester Credits (55 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, AFP1001LEC, AFP1001LAB

Corequisite: PPT2005LEC

This course covers the lab requirements for turbine engines which include turbojet, turboprop, and turbofan engines. Students will perform inspections on the compressor section, diffuser section, combustion section, turbine section, exhaust and reverser sections, and auxiliary power units. Upon successful completion of this course, students should be able to perform inspection and maintenance requirements of turbine engines, and can troubleshoot and repair turbine engine exhaust and reverser systems.

**PPT2006LEC - Turbine Engine Systems Lecture | 2 Semester Credits (58 Didactic Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, AFP1001LEC, AFP1001LAB, PPT2005LEC, PPT2005LAB

Corequisite: PPT2006LAB

This course covers the study of topics including turbine engine instrument systems, lubrication systems, fuel metering, ignition and starting systems. Also, included in this course are techniques for turbine engine inspections as well as concepts involving turbine engine removal and replacement. This course also includes a review and testing component which will aid the student in preparation for FAA certification exams. Upon successful completion of this course, students should be able to explain the operation of the turbine engine lubrication, fuel metering, ignition and starting, engine instruments.

**PPT2006LAB - Turbine Engine Systems Lab | 2 Semester Credits (65.5 Lab Hours)**

Prerequisites: MAT1001, PHY1001, GEN1001LEC, GEN1001LAB, GEN1002LEC, GEN1002LAB, GEN1003LEC, GEN1003LAB, AFP1001LEC, AFP1001LAB, PPT2005LEC, PPT2005LAB

Corequisite: PPT2006LEC

This course covers the lab requirements for turbine engine instrument systems, lubrication systems, fuel metering, ignition and starting systems. Also, included in this course are techniques for turbine engine inspections as well as turbine engine removal and replacement. A variety of lab projects including operation, maintenance and troubleshooting of the turbine engine and its systems enhance learning of course lessons. This course also includes a review and testing component which will aid the student in preparation for FAA certification exams. Upon successful completion of this course, students should be able to perform the operation and inspection of the turbine engine lubrication, fuel metering, ignition and starting, engine instruments, and conduct maintenance and troubleshooting operations.

## Aviation Electronics Technology

### **ELT1001LEC – DC Fundamentals Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisite: None

Corequisite: ELT1001LAB

This course focuses on basic direct-current (DC) electronics, along with the technical math required for an electronics technician. Students are introduced to the concepts of voltage, current, and resistance, along with Ohm’s law. Components discussed include conductors, semiconductors, insulators, and resistors, along with their characteristics in circuits. The course also covers the mathematical application of resistors in series, parallel, and complex circuits. Magnetism concepts, transducers, and basic types of switches are introduced, along with the use of a digital multimeter, and an introduction to schematics. Students are also introduced to the basic concepts of soldering. Upon completion of this class, students should understand the concepts of voltage, current, and resistance, and how various DC components act in series, parallel, and complex circuits.

### **ELT1001LAB – DC Fundamentals Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisite: None

Corequisite: ELT1001LEC

This course focuses on basic direct-current (DC) electronics, along with the technical math required for an electronics technician. Students are introduced to the concepts of voltage, current, and resistance, along with Ohm’s law. Components discussed include conductors, semiconductors, insulators, and resistors, along with their characteristics in circuits. The course also covers the application of resistors in series, parallel, and complex circuits. Magnetism concepts, transducers, and basic types of switches are introduced, along with the use of a digital multimeter, and an introduction to schematics. Students are also introduced to the basic concepts of soldering. Shop safety is stressed throughout the course. Towards the end of the course, students will be given a “Benchmark Lab. Upon completion of this class, students should understand the concepts of voltage, current, and resistance, and how various DC components act in series, parallel, and complex circuits.

### **ELT1002LEC - AC Theory and Control Devices Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisite: ELT1001LEC, ELT1001LAB

Corequisite: ELT1002LAB

This course focuses on basic alternating current (AC) electronics. Students are introduced to the concepts of voltage, current, reactance, and impedance, AC components such as inductors and capacitors, and specific AC circuits such as reactance circuits and filters. This course also introduces basic power supplies, diodes and continues with the introduction of schematics. Upon completion of this class, students should understand the concepts of voltage, current, reactance, and impedance, and how various AC components act in series, parallel, and series-parallel circuits.

### **ELT1002LAB - AC Theory and Control Devices Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisite: ELT1001LEC, ELT1001LAB

Corequisite: ELT1002LEC

This course focuses on basic alternating current (AC) electronics. Students are introduced to the concepts of voltage, current, reactance, and impedance, AC components such as inductors and capacitors, and specific AC circuits such as reactance circuits and filters. This course also introduces basic power supplies, diodes and continues with the introduction of schematics. Students continue working with a digital multimeter and begin extensive work with an oscilloscope. Shop safety is stressed throughout the course. Towards the end of the course, students will be given a “Benchmark Lab”. Upon completion of this class, students should understand the concepts of voltage, current, reactance, and impedance, and how various AC components act in series, parallel, and series-parallel circuits.

**ELT1003LEC - Amplifiers and Power Control Devices Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB

Corequisite: ELT1003LAB

This course focuses on basic transistor theory and Troubleshooting, and applies it to amplifiers, amplifier classes, amplifier configurations, operational amplifiers, and oscillators. Students learn transistor theory and transistor types, including BJT, FET, UJT, and IGBT, as well as decibel conversions, gain calculations, and amplifier construction. Upon successful completion of this course, students should understand the basic concepts of transistors and amplifiers and be able to troubleshoot transistor circuits.

**ELT1003LAB - Amplifiers and Power Control Devices LAB | 2 Semester Credit Hours (61 Hours lab)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB

Corequisite: ELT1003LEC

This course focuses on basic transistor theory and Troubleshooting, and applies it to amplifiers, amplifier classes, amplifier configurations, operational amplifiers, and oscillators. Students learn transistor theory and transistor types, including BJT, FET, UJT, and IGBT, as well as decibel conversions, gain calculations, and amplifier construction. Students will also troubleshoot analog transistor circuits utilizing common test equipment. Towards the end of the course, students will be given a “Benchmark Lab”. Upon successful completion of this course, students should understand the basic concepts of transistors and amplifiers and be able to troubleshoot transistor circuits.

**ELT1004LEC - Digital and Microcontroller Technology Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB

Corequisite: ELT1004LAB

This course focuses on digital electronic concepts, such as binary/octal/hexadecimal numbers, logic gates, logic circuits including flip-flops and counters, and shift registers. This course also discusses light microcontroller and microprocessor theory, encoders and decoders, and an in-depth study of data busses. Upon successful completion of this course, students should be able to describe digital electronic concepts, interpret binary data, and troubleshoot logic circuits.

**ELT1004LAB - Digital and Microcontroller Technology Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB

Corequisite: ELT1004LEC

This course focuses on digital electronic concepts, such as binary/octal/hexadecimal numbers, logic gates, logic circuits including flip-flops and counters, and shift registers. This course also discusses light microcontroller and microprocessor theory, encoders and decoders, and an in-depth study of data busses. Lab projects are focused on the construction and application of digital logic, up to and including a digital clock with number displays. Towards the end of the course, students will be given a “Benchmark Lab”. Upon successful completion of this course, students should be able to describe digital electronic concepts, interpret binary data, and troubleshoot logic circuits.

**ELT1005LEC - Industrial Controls and Robotics Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB

Corequisite: ELT1005LAB

This course covers a wide range of industrial electronics, components, and applications. The components discussed include industrial switches, relays, analog/digital sensors, and a full range of thyristors. This course also includes a study of residential wiring including 2 phase and 3 phase power, industrial control schematics, motor and generator theory, and programmable logic controllers (PLC)’s with applications in manufacturing. Upon completion of this course, students should be familiar with the various components common in residential and industrial electronics and should be able to read basic wiring diagrams.

**ELT1005LAB - Industrial Controls and Robotics Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB

Corequisite: ELT1005LEC

This course covers a wide range of industrial electronics, components, and applications. The components discussed include industrial switches, relays, analog/digital sensors, and a full range of thyristors. This course also includes a study of residential wiring including 2 phase and 3 phase power, industrial control schematics, motor and generator theory, and programmable logic controllers (PLC)'s with applications in manufacturing. Shop safety, especially around high voltages is stressed throughout the course. Towards the end of the course, students will be given a "Benchmark Lab". Upon completion of this course, students should be familiar with the various components common in residential and industrial electronics and should be able to read basic wiring diagrams.

**AVN2001LEC - Aerospace Soldering and Inspection Lecture | 2 Semester Credit Hours (60.5 Hours Didactic)**

Prerequisite: ELT1001LEC, ELT1001LAB

Corequisite: AVN2001LAB

This course focuses on the concepts of soldering techniques and skills for high-level soldering work and assembly with two Association Connecting Electronics Industries IPC programs: J-STD-001F – Certified IPC Specialist CIS Requirements for Soldered Electrical and Electronic Assemblies with Space Addendum, and IPC-A-610 – Certified IPC specialists CIS Acceptability of Electronic Assemblies. The J-STD-001F program describes the materials, methods, and verification criteria for producing high quality soldered connections, including surface mount connections, and leads to an IPC certification once all IPC course requirements are met. The IPC-A-610 program focuses on product acceptance criteria for consumer and high reliability printed wiring assemblies and leads to an IPC certification once all IPC course requirements are met.

**AVN2001LAB - Aerospace Soldering and Inspection Lab | 2 Semester Credit Hours (63 Hours Lab)**

Prerequisite: ELT1001LEC, ELT1001LAB

Corequisite: AVN2001LEC

This course focuses on soldering techniques and skills for high-level soldering work and assembly.

This course focuses on two Association Connecting Electronics Industries IPC programs: J-STD-001F – Certified IPC Specialist CIS Requirements for Soldered Electrical and Electronic Assemblies with Space Addendum, and IPC-A-610 – Certified IPC specialists CIS Acceptability of Electronic Assemblies. The J-STD-001F program describes the materials, methods, and verification criteria for producing high quality soldered connections, including surface mount connections, and leads to an IPC certification once all IPC course requirements are met. The IPC-A-610 program focuses on product acceptance criteria for consumer and high reliability printed wiring assemblies and leads to an IPC certification once all IPC course requirements are met. Upon completion of this course, students will be able to perform J-Standard soldering to space requirements and be able to perform inspection of electronic equipment to strict industry standards.

**AVN2002LEC - Aerospace Wiring Lecture | 2 Semester Credit Hours (55.5 Hours Didactic)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB

Corequisite: AVN2002LAB

This course will introduce students to basic wiring concepts. Wiring diagrams, types of connectors, installation tools and common materials, as well as installation procedures and techniques will be covered. The course includes the study of Avionics installation practices, with the main emphasis on wiring techniques using a wide range of specialized crimpers and the use of installation manuals. The rules and regulations of the aviation industry, including Federal Aviation Regulations, Air Transport Association codes, manufacturer's manuals, and industry documentation requirements are also discussed. Students are introduced to the FAA Aircraft Electrical Wiring Interconnect System (EWIS) best practices, as well as the basic theory of antennas, transmission lines, and fiber optics. The course also focuses on the Association Connecting Electronics Industries IPC/WHMA-A-620, Requirements and Acceptance for Cable and Wire Harness Assemblies, which describes acceptability criteria for crimped, mechanically secured, and soldered interconnection and the corresponding lacing/restraining criteria associated with cable and harness assemblies. This program leads to an IPC certification once all IPC

course requirements are met. Upon successful completion of this course, students should be familiar with a wide range of wiring concepts and have basic knowledge of the documents and manuals used in the aviation industry.

**AVN2002LAB - Aerospace Wiring Lab | 2 Semester Credit Hours (68 Hours Lab)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB

Corequisite: AVN2002LEC

This course will introduce students to basic wiring concepts. Wiring diagrams, types of connectors, installation tools and common materials, as well as installation procedures and techniques will be covered. Students will fabricate a Class 3 NASA quality wiring harness. The course includes the study of Avionics installation practices, with the main emphasis on wiring techniques using a wide range of specialized crimpers and the use of installation manuals. The rules and regulations of the aviation industry, including Federal Aviation Regulations, Air Transport Association codes, manufacturer's manuals, and industry documentation requirements are also discussed. Students are introduced to the FAA Aircraft Electrical Wiring Interconnect System (EWIS) best practices, as well as the basic theory of antennas, transmission lines, and fiber optics. The course also focuses on the Association Connecting Electronics Industries IPC/WHMA-A-620, Requirements and Acceptance for Cable and Wire Harness Assemblies, which describes acceptability criteria for crimped, mechanically secured, and soldered interconnection and the corresponding lacing/restraining criteria associated with cable and harness assemblies. This program leads to an IPC certification once all IPC course requirements are met. Upon successful completion of this course, students should be familiar with a wide range of wiring concepts and have basic knowledge of the documents and manuals used in the aviation industry.

**AVN2003LEC - Avionics Communication Systems Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB

Corequisite: AVN2003LAB

This course is a complete study of electronic communication theory, with a focus on aircraft communications. Students will study AM and FM modulation, transmitters, and receivers. These knowledge areas are then applied to avionics specifically as the students learn about HF com, VHF com, and satellite communications/in-flight entertainment systems. Students will also be trained on basic com test equipment, particularly the spectrum analyzer. Upon successful completion of this course, students should be able to exhibit basic knowledge and skills in communication and fiber optics, operational checkout and troubleshooting, as well as an understanding of common aviation com systems.

**AVN2003LAB - Avionics Communication Systems Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB

Corequisite: AVN2003LEC

This course is a complete study of electronic communication theory, with a focus on aircraft communications. Students will study AM and FM modulation, transmitters, and receivers. These knowledge areas are then applied to avionics specifically as the students learn about HF com, VHF com, and satellite communications/in-flight entertainment systems. Students will also be trained on basic com test equipment, particularly the spectrum analyzer. Towards the end of the course, students will be given a "Benchmark Lab". Upon successful completion of this course, students should be able to exhibit basic knowledge and skills in communication and fiber optics, operational checkout and troubleshooting, as well as an understanding of common aviation com systems.

**AVN2004LEC - Navigation and Instrumentation Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisite: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB, AVN2003LEC, AVN2003LAB

Corequisite: AVN2004LAB

This course is a study of aviation navigation systems and their instrumentation. The nav systems studied include VOR, GPS, Localizer, Glide Slope, Marker Beacon, and Gyros. Channeling methods and aviation-specific data busses are also introduced. This course also goes into various analog instruments and how different systems are displayed on the flight deck. Lab exercises will simulate real-world shop repair experience by requiring students to

evaluate, troubleshoot, and identify equipment failure to the component level, utilizing schematics and industry-standard test equipment on actual aircraft avionics equipment. Upon completion of this course, the student should be able to demonstrate a basic understanding of the various navigation systems presented in class at both the theoretical and application level, as well as troubleshooting aviation electronic equipment to the intermediate level.

**AVN2004LAB - Navigation and Instrumentation Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisite: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB, AVN2003LEC, AVN2003LAB

Corequisite: AVN2004LEC

This course is a study of aviation navigation systems and their instrumentation. The nav systems studied include VOR, GPS, Localizer, Glide Slope, Marker Beacon, and Gyros. Channeling methods and aviation-specific data busses are also introduced. This course also goes into various analog instruments and how different systems are displayed on the flight deck. Lab exercises will simulate real-world shop repair experience by requiring students to evaluate, troubleshoot, and identify equipment failure to the component level, utilizing schematics and industry-standard test equipment on actual aircraft avionics equipment. Towards the end of the course, students will be given a "Benchmark Lab". Upon completion of this course, the student should be able to demonstrate a basic understanding of the various navigation systems presented in class at both the theoretical and application level, as well as troubleshooting aviation electronic equipment to the intermediate level.

**AVN2005LEC - Radar and Pulse Systems Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB, AVN2003LEC, AVN2003LAB

Corequisite: AVN2005LAB

This course focuses on basic microwave principles and theory, using it as a basis for understanding radar/microwave devices and systems. Specific aircraft systems covered include Transponders, DME, TCAS I, TCAS II, ADS-B, Weather Radar, Radar Altimeters, TAWS, and GPWS. Upon course completion, the student should have a fundamental understanding of the theory, operation, and practical usage of various radar/microwave systems, the usage of related test equipment, and how to troubleshoot and repair these systems.

**AVN2005LAB - Radar and Pulse Systems Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisites: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB, AVN2003LEC, AVN2003LAB

Corequisite: AVN2005LEC

This course focuses on basic microwave principles and theory, using it as a basis for understanding radar/microwave devices and systems. Specific aircraft systems covered include Transponders, DME, TCAS I, TCAS II, ADS-B, Weather Radar, Radar Altimeters, TAWS, and GPWS. Towards the end of the course, students will be given a "Benchmark Lab". Upon course completion, the student should have a fundamental understanding of the theory, operation, and practical usage of various radar/microwave systems, the usage of related test equipment, and how to troubleshoot and repair these systems.

**AVN2006LEC - Systems Integration Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisite: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB, AVN2003LEC, AVN2003LAB, AVN2004LEC, AVN2004LAB, AVN2005LEC, AVN2005LAB

Corequisite: AVN2006LAB

This course is an in-depth look at how all the different systems of an aircraft work together to perform common functions. Students will study power/data distribution, and how synchros and servos are used on the aircraft. Integration of Autonomous Navigation systems such as Air Data, inertial measurement devices, compass systems, onboard communications, and Autopilot/Autoflight are studied, demonstrating how multiple systems working together can provide reliable information to the flight crew. Next Generation Systems and digital display systems (EFIS), will also be covered. Upon completion of this course, a student will be able to describe how the discussed systems are integrated into nearly every aspect of the aircraft.

**AVN2006LAB - Systems Integration Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisite: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, ELT1005LEC, ELT1005LAB, AVN2003LEC, AVN2003LAB, AVN2004LEC, AVN2004LAB, AVN2005LEC, AVN2005LAB

Corequisite: AVN2006LEC

This course is an in-depth look at how all the different systems of an aircraft work together to perform common functions. Students will study power/data distribution, and how synchros and servos are used on the aircraft. Integration of Autonomous Navigation systems such as Air Data, inertial measurement devices, compass systems, onboard communications, and Autopilot/Autoflight are studied, demonstrating how multiple systems working together can provide reliable information to the flight crew. Next Generation Systems and digital display systems (EFIS), will also be covered. Upon completion of this course, a student will be able to describe how the discussed systems are integrated into nearly every aspect of the aircraft.

**AVN2007LEC - Unmanned Aerial Systems and Robotics Lecture | 2 Semester Credit Hours (62.5 Hours Didactic)**

Prerequisite: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, AVN2003LEC, AVN2003LEC

Corequisite: AVN2007LAB

In this course, students will learn many of the aspects of Unmanned Aerial Systems (UAS), including classes, size, capabilities/limitations and different technologies, and different Robotic technologies as well as the FAA regulations associated with UAS's. The course integrates prior course material associated with sensors, interface, control, communications, and flight dynamics, and further reinforces and expands upon these areas as they relate to UAS's. UAS C3 systems and concepts are covered, as well as the maintenance aspects of the associated support equipment. Students will maintain and operate a complete small UAS and will learn basic troubleshooting techniques for ground control stations and UAS maintenance. Upon completion of this course, students will be eligible to take the FAA Part 107 Remote Pilot – Small Unmanned Aircraft General exam.

**AVN2007LAB - Unmanned Aerial Systems and Robotics Lab | 2 Semester Credit Hours (61 Hours Lab)**

Prerequisite: ELT1001LEC, ELT1001LAB, ELT1002LEC, ELT1002LAB, ELT1003LEC, ELT1003LAB, ELT1004LEC, ELT1004LAB, AVN2003LEC, AVN2003LEC

Corequisite: AVN2007LEC

In this course, students will learn many of the aspects of Unmanned Aerial Systems (UAS), including classes, size, capabilities/limitations and different technologies, and different Robotic technologies as well as the FAA regulations associated with UAS's. The course integrates prior course material associated with sensors, interface, control, communications, and flight dynamics, and further reinforces and expands upon these areas as they relate to UAS's. UAS C<sup>3</sup> systems and concepts are covered, as well as the maintenance aspects of the associated support equipment. Students will maintain and operate a complete small UAS and will learn basic troubleshooting techniques for ground control stations and UAS maintenance. Students will perform flight- testing, following Flight and Ground Safety procedures, along with proper use of tools and equipment. Upon completion of this course, students will be eligible to take the FAA Part 107 Remote Pilot – Small Unmanned Aircraft General exam.

## **Nondestructive Testing Technology**

### **Quality Control Management**

**NDT1001 – Introduction to Nondestructive Testing Lecture | 3 Semester Credit Hours (71.5 Hours Didactic)**

Prerequisite: None

Co-requisite: NDT1001LAB

Students are expected to learn of the basic Non-Destructive Testing (NDT) methods and industries that employ the basic NDT Methods. They are expected to learn about the safety hazards associated with NDT and the Human Factors contributing to safety mishaps in the workplace

**NDT1001 – Introduction to Nondestructive Testing Lab | 1 Semester Credit Hours (52 Hours Lab)**

Prerequisite: None

Co-requisite: NDT1001LEC

Students are expected to apply their working knowledge of the proper use and operation of precision measurement instruments and the interpretation, navigation, and production of a blueprint drawing.

**NDT1002 – Visual Testing Lecture | 3 Semester Credit Hours (71.5 Hours Didactic)**

Prerequisite: PHY1001, MTH1001, and NDT1001

Co-requisite: NDT1002LAB

Students are expected to learn the various materials and processes associated with metallurgy. Students will learn Level I and Level II theory for the VT inspection method. Students are expected to attain a working knowledge in the navigation and application of various industry codes and standards as they apply to VT. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1002 – Visual Testing Lab | 1 Semester Credit Hours (52 Hours Lab)**

Prerequisite: PHY1001, MTH1001, and NDT1001

Co-requisite: NDT1002LEC

Students are expected to develop their skill in the practical application, inspection, evaluation, and documentation of VT inspections. They are expected to apply various industry codes and standards while conducting VT inspections. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1003 – Core Non-Destructive Testing Methods Lecture | 2 Semester Credit Hours (61.75 Hours Didactic)**

Prerequisite: NDT1002

Co-requisite: NDT1003LAB

Students are expected to learn Level I and Level II theory for Liquid Penetrant Testing (PT) and Magnetic Particle Testing (MT) inspection methods. They are expected to attain a working knowledge in the navigation and application of various industry codes and standards as they apply to the Core Methods (PT and MT). This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1003 – Core Non-Destructive Testing Methods Lab | 2 Semester Credit Hours (61.75 Hours Lab)**

Prerequisite: NDT1002

Co-requisite: NDT1003LEC

Students are expected to develop their skills in the practical application, inspection, evaluation, and documentation of each Core Method (PT and MT). They are expected to apply various industry codes and standards while conducting Liquid Penetrant and Magnetic Particle inspections. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1004 – Radiation Safety Lecture | 3 Semester Credit Hours (71.5 Hours Didactic)**

Prerequisite: NDT1002

Co-requisite: NDT1004LAB

Students are expected to learn the fundamentals of Radiation Safety as they apply to industrial radiography. They are expected to explore the causes of radiation accidents and become familiar with the federal and state regulations governing Radiation Safety. This course is designed to meet or exceed the requirements of 10 CFR Part 34.43, qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1004 – Radiation Safety Lab | 1 Semester Credit Hours (52 Hours Lab)**

Prerequisite: NDT1002

Co-requisite: NDT1004LEC

Students are expected to develop their skill to successfully set up and operate a radiographic exposure device and x-ray tube. This course is designed to meet or exceed the requirements of 10 CFR Part 34.43, qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1005 – Radiographic Testing Operator Lecture | 2 Semester Credit Hours (61.75 Hours Didactic)**

Prerequisite: NDT1004

Co-requisite: NDT1005LAB

Students are expected to learn Level I theory for the Radiographic Testing (RT) inspection method. They are expected to attain a working knowledge in the navigation and application of various industry codes and standards as they apply to different radiographic techniques. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1005 – Radiographic Testing Operator Lab | 2 Semester Credit Hours (61.75 Hours Lab)**

Prerequisite: NDT1004

Co-requisite: NDT1005LEC

Students are expected to develop their skills in the practical application, radiographic film development, inspection, and documentation of RT inspections. They are expected to apply various industry codes and standards while conducting radiographic inspections. This course is designed to meet or exceed the requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1006 – Radiographic Testing Inspector Lecture | 2 Semester Credit Hours (61.75 Hours Didactic)**

Prerequisite: NDT1005

Co-requisite: NDT1006LAB

Students are expected to learn Level II theory for the Radiographic Testing (RT) inspection method. They are expected to attain a working knowledge in the navigation and application of various industry codes, standards, and acceptance criteria as they apply to different radiographic techniques. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1006 – Radiographic Testing Inspector Lab | 2 Semester Credit Hours (61.75 Hours Lab)**

Prerequisite: NDT1005

Co-requisite: NDT1006LEC

Students are expected to continue to develop their skills in the practical application and documentation of RT inspections, to include interpretation and evaluation of radiographs. They are expected to apply various industry codes, standards, and acceptance criteria while conducting radiographic inspections. This course is designed to meet or exceed the requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1007 – Introduction to Ultrasonic Testing Lecture | 2 Semester Credit Hours (61.75 Hours Didactic)**

Prerequisite: NDT1002

Co-requisite: NDT1007LAB

Students are expected to learn Level I theory for the UT inspection method. They are expected to attain a working knowledge in the navigation and application of various industry codes and standards as they apply to different ultrasonic inspection techniques. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1007 – Introduction to Ultrasonic Testing Lab | 2 Semester Credit Hours (61.75 Hours Lab)**

Prerequisite: NDT1002

Co-requisite: NDT1007LEC

Students are expected to develop their skills in the calibration, practical application, inspection, and documentation of basic UT inspections. They are expected to apply various industry codes and standards while conducting ultrasonic calibrations and inspections. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1008 – Ultrasonic Inspections and Evaluations Lecture | 2 Semester Credit Hours (61.75 Hours Didactic)**

Prerequisite: NDT1007

Co-requisite: NDT1008LAB

Students are expected to learn Level II theory for the UT inspection method. They are expected to attain a working knowledge in the navigation and application of various industry codes and standards as they apply to different ultrasonic inspection techniques. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1008 – Ultrasonic Inspections and Evaluations Lab | 2 Semester Credit Hours (61.75 Hours Lab)**

Prerequisite: NDT1007

Co-requisite: NDT1008LEC

Students are expected to develop their skills in the practical application, inspection, and documentation of advanced UT inspections. They are expected to apply various industry codes and standards while conducting different ultrasonic inspection techniques. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1009 – Eddy Current Testing Inspector Lecture | 2 Semester Credit Hours (61.75 Hours Didactic)**

Prerequisite: NDT1002

Co-requisite: NDT1009LAB

Students are expected to learn Level I and Level II theory for the ET inspection method. They are expected to attain a working knowledge in the navigation and application of various industry codes and standards as they apply to different ET techniques. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**NDT1009 – Eddy Current Testing Inspector Lab | 2 Semester Credit Hours (61.75 Hours Lab)**

Prerequisite: NDT1002

Co-requisite: NDT1009LEC

Students are expected to develop their skills in the practical application, inspection, and documentation of ET inspections. They are expected to apply various industry codes and standards while conducting different ET inspection and testing techniques. This course is designed to meet or exceed the qualification requirements recommended by ASNT SNT-TC-1A and follow the topical outlines of ANSI/ASNT CP-105.

**QCM2001 Philosophy of Quality Management | 4 Semester Credits**

This course encompasses all the philosophy and concepts of Total Quality approach to Quality Management pulled together in a coherent format that allows the student to understand both the big picture and the specific details of achieving Organizational Excellence. Strategic Management, Ethics and Corporate Social Responsibility, Quality Culture, Customer Satisfaction, Employee Empowerment, Leadership, Followership, Communication Skills and Change Management, Writing and Research are all foundational keys to a total understanding of Quality Management. This course covers the Quality Management Movement to include the great pioneers of total quality; such as Ford, Deming, Juran, Shewart, Ohno, Crosby, Toyoda, and others. Students are expected to utilize their previously acquired knowledge of precision measuring equipment to conduct a Statistical Process Control (SPC) laboratory designed to gather data throughout all QCM classes which will be synthesized and interpreted in the QCM2003 class. This data will be used to demonstrate the capabilities of database management. Included will be hands-on initial, periodic and final inspection process; incident, maintenance, and accident reporting. (61.75 Didactic Hours, 61.75 Lab Hours)

### **QCM2002 ISO 9000 and Total Quality: The Relationship | 4 Semester Credits**

Students are expected to learn a foundational understanding of ISO 9000 and cover a comprehensive overview of the International Organization for Standardization (the history and future). Included will be thorough instruction of the Quality Management System (QMS); which is a requirement for ISO 9000 registration. They are expected to learn the comprehensive history, background, purpose and the relationship of Total Quality Management (TQM), and ISO 9000 Standardization. Introduction to other industry auditing practices and organizations will also be included. Students are expected to continue to utilize their previously acquired knowledge of precision measuring equipment to continue gathering data for the Statistical Process Control (SPC) laboratory designed to gather data which will be synthesized and interpreted in the QCM2001 class. This data will be used to demonstrate the capabilities of database management. Included will be hands-on initial, periodic and final inspection process; incident, maintenance, and accident reporting and the documentation, and process control requirements for all these processes. Introduction to other industry auditing practices and organizations. COURSE PREREQUISITES: QCM2001. (61.75 Didactic Hours, 61.75 Lab Hours)

### **QCM2003 Total Quality Tools and Techniques | 4 Semester Credits**

This course encompasses all of the various tools and techniques of quality management, and continual improvement methods: Just-In-Time, Lean, Six Sigma and Lean Six Sigma, Benchmarking, Statistical Process Control (SPC), managing quality in the supply chain, and Quality Function Deployment (QFD), Benchmarking. These topics are all pulled together in a coherent format giving the student an opportunity to understand both the big picture and the specific details of quality management. Process Mapping and applying Problem-solving to Optimize and Control Processes. Students are expected to conduct research and prepare a research paper and presentation on a subject determined by the instructor. Students are expected to continue the Statistical Process Control (SPC) Lab, started in QCM2001, and continue in QCM2002 using precision measurements, database management, first article, periodic and final inspection process and the documentation process. This data will be used by the student to demonstrate the capabilities of database management. Continuously building on research and report composition, to include presentation methods. COURSE PREREQUISITES: QCM2002 or permission of the Dean of Academic Affairs/Department Head. (61.75 Didactic Hours, 61.75 Lab Hours.)

## **Aviation Flight**

### **AVE 1112 – Private Module 1 | 2 Credit Hours**

This course introduces the fundamental principles of flight including aircraft design, aircraft flight control systems, and basic aerodynamic principles. Students will learn the theory of flight by study of the basic flight maneuvers to obtain the required foundation for future training. (17.5 Didactic Hours, 32.5 Lab Hours)

### **AVE 1122 – Private Module 2 | 2 Credit Hours**

This course continues developing understanding of the aircraft and aircraft systems including weight and balance, fuel systems, oil systems, electrical systems, propellers, and aircraft engines. Students learn how to obtain weather information needed to conduct a flight safely. Students will learn the Federal Aviation Regulations (CFR Part 61 and 67) that directly relate to pilot certification and medical requirements. Students will be prepared to perform basic maneuvers including slow flight, steep turns, stalls, emergency landings, and takeoffs and landings. (13 Didactic Hours, 37 Lab Hours)

### **AVE 1132 – Private Module 3 | 2 Credit Hours**

This course covers the methods of calculating aircraft performance from the performance charts and the principles of the operation of the flight instruments. Students will learn the regulations that apply to the operation of the aircraft and develop proficiency in local traffic pattern operations, including landings and takeoffs from an airport with an operating air traffic control tower. (14 Didactic Hours, 36 Lab Hours)

**AVE 1142 – Private Module 4 | 2 Credit Hours**

This course further develops understanding of the FAR's Part 61, 67, and 91 and their applications. Students will learn cross country navigation planning and the use of aeronautical charts. Students will learn how to safely operate in the traffic pattern to be able to complete a first solo flight. Understanding of weather information and flight planning will continue to develop. (14 Didactic Hours, 36 Lab Hours)

**AVE 1152 – Private Module 5 | 2 Credit Hours**

Students will complete the training required to safely conduct a cross country flight including: the use of air traffic control radar services, radio communications, sources of flight information for navigation, radio navigation, pilotage, dead reckoning, and flight computers (E6B). (15 Didactic Hours, 35 Lab Hours)

**AVE 1162 – Private Module 6 | 2 Credit Hours**

This course reviews all of the knowledge required for a private pilot certificate. Students will review the flight computer (E6B), weather information, aerodynamics, aircraft performance and limitations, regulations, flight navigation, and the operation of the aircraft. The prerequisite for this module is the satisfactory completion of Private modules 1 through 5. Upon the satisfactory completion of this course, the student will be issued a graduation certificate which will allow them to take the required FAA Private Pilot Knowledge Test. (20 Didactic Hours, 30 Lab Hours)

**AVE 1212 – Instrument Module 1 | 2 Credit Hours**

This course covers the basics of the construction and principles of operation of the flight instruments. Students will learn how to use the flight instruments safely to control the aircraft during basic maneuvering without the use of outside visual references. This module serves as the foundation for the instrument training to follow. (16 Didactic Hours, 34 Lab Hours)

**AVE 1222 – Instrument Module 2 | 2 Credit Hours**

This course covers the basic theory of weather including the forecasting and weather services available to the pilot. Radio navigation theory of VOR, NDB, and GPS systems will be covered, and the student will learn the basics of using the VOR, NDB, and GPS systems for navigation. (13 Didactic Hours, 37 Lab hours)

**AVE 1232 – Instrument Module 3 | 2 Credit Hours**

This course provides a complete review of instrument fundamentals, weather system patterns, and navigation systems. The course will also introduce the student to instrument approach procedures and the methods used to conduct approaches. The navigation procedures and instrument flight procedures covered will be used in the flight course as the students practice in simulated instrument flight. (19 Didactic Hours, 31 Lab Hours)

**AVE 1242 – Instrument Module 4 | 2 Credit Hours**

This course further develops the student's knowledge of the instrument approach procedures with a focus on advancing the knowledge of navigation systems by use of scenarios. Students will learn advanced communications procedures for approach and en-route instrument flight and the procedures for operating under simulated failed navigation and communications systems. (19 Didactic Hours, 31 Lab Hours)

**AVE 1252 – Instrument Module 5 | 2 Credit Hours**

This course further develops the student's knowledge of precision instrument approach systems. This course covers all instrument regulations of CFR Part 91 required to operate as an instrument pilot. The information learned in this course will be used to practice planning IFR cross country flights and lead to the ability to conduct an actual instrument cross country flight in an aircraft. (15 Didactic Hours, 35 Lab Hours)

**AVE 1262 – Instrument Module 6 | 2 Credit Hours**

This course will conduct a full review of the previously learned information including instrument approach systems, navigation systems, weather theory and reports, ATC operations, en-route instrument procedures, arrival instrument procedures, IFR cross country flight planning, and IFR emergencies. The prerequisite for this module is the satisfactory completion of Instrument modules 1 through 5. Upon the satisfactory completion of this course,

the student will be issued a graduation certificate which will allow them to take the required FAA Instrument Rating Knowledge Test. (10.5 Didactic Hours, 39.5 Lab Hours)

**AVE 2112 – Commercial Module 1 | 2 Credit Hours**

This course will introduce the student to aircraft construction and design, advanced aircraft power-plants and propeller systems, and aircraft systems including hydraulic and electrical systems. Students will start a study of the commercial flight maneuvers required by the FAA Airman Certification Standards. Aviation medical factors related to the requirements of flight will be learned and the student will be introduced to crew resource management concepts. (14 Didactic Hours, 36 Lab Hours)

**AVE 2122 – Commercial Module 2 | 2 Credit Hours**

This course develops the students' knowledge and understanding of advanced aircraft systems and the operation of high-performance aircraft. The student will learn about aircraft supercharging, turbo charging, anti-icing and deicing systems, electrical system components and configurations, and advanced flight control systems. Students will learn more about how to perform commercial flight maneuvers. (7 Didactic Hours, 43 Lab Hours)

**AVE 2132 – Commercial Module 3 | 2 Credit Hours**

This course will develop the student's understanding of flight physiology as it applies to commercial flight operations. The course covers situational awareness, basic human anatomy, crew resource management (CRM), stress management, atmospheric impacts on flight, and medical emergencies. The students will be introduced to the aerodynamic factors associated with operating a multi-engine aircraft and the specific aircraft systems used on a multi-engine aircraft. (11 Didactic Hours, 39 Lab Hours)

**AVE 2142 – Commercial Module 4 | 2 Credit Hours**

This course continues to advance the student's knowledge of multi-engine aircraft and their operation. Students will learn the specific commercial maneuvers required to be demonstrated in a multi-engine aircraft including simulated engine failures, in flight engine shutdown and restart, in flight emergencies, emergency descents, and landings with a single engine operating. Students will advance their knowledge of aeromedical factors by learning about sleep and fatigue awareness, spatial disorientation, health management, and the medical standards for pilot certification. (10 Didactic Hours, 40 Lab Hours)

**AVE 2152 – Commercial Module 5 | 2 Credit Hours**

This course will cover VFR long-distance cross-country flight planning including a comprehensive set of lessons covering weather information, atmospheric compositions, causes for seasonal weather changes, effects of humidity, cloud formations and classifications, stability, air masses and fronts, and mid latitude cyclonic activity. Students will learn more about commercial flight maneuvers and in-flight hazards to flight using scenarios. (10 Didactic Hours, 40 Lab Hours)

**AVE 2162 – Commercial Module 6 | 2 Credit Hours**

This course uses advanced scenarios to develop the student's knowledge and understanding of cross-country planning and navigation systems. The course includes precipitation, wind changes, global movements of pressure systems, thunderstorms, tornadoes, hurricanes, and other weather hazards. The student will learn the procedures for conducting instrument flight in a multi-engine aircraft. The course will review regulations from CFR Part 61 and 91 that apply to commercial operations. (11 Didactic Hours, 39 Lab Hours)

**AVE 2172 – Commercial Module 7 | 2 Credit Hours**

This course provides a summary of all areas of operation required for commercial pilot certification. The course includes certificates and documents, weather, aircraft systems, emergency procedures, performance and limitations, aeromedical factors, and aeronautical decision making, and regulations. The student will develop the knowledge and understanding of the maneuvers required by the FAA Airman Certification Standards for a commercial pilot airplane single and multi-engine. (11 Didactic Hours, 39 Lab Hours)

**AVE 2182 – Commercial Module 8 | 2 Credit Hours**

This course completes all the oral knowledge areas required by the FAA ACS for the commercial pilot. The prerequisite for this module is the satisfactory completion of Commercial modules 1 through 7. Upon the satisfactory completion of this course, the student will be issued a graduation certificate which will allow them to take the required FAA Commercial Pilot Knowledge Test. The completion of this course ensures that students are qualified to pass the oral knowledge areas of the FAA Commercial Pilot Certificate Practical Test. (13 Didactic Hours, 37 Lab Hours)

**AVE 2212 – CFI Module 1 | 2 Credit Hours**

This course provides an introduction to the Fundamentals of Instruction and develops the student's ability to effectively communicate as a Certified Flight Instructor. During this course the student will study human behavior, the learning process, effective communication, and various teaching methods. The course covers the instructional knowledge of advance aeromedical factors, use of visual scanning and distractions, and aircraft flight control systems. (30 Didactic Hours, 20 Lab Hours)

**AVE 2222 – CFI Module 2 | 2 Credit Hours**

This course will provide the student with an understanding of the methods of critique and evaluation, designing an instructional activity, and the responsibilities/professionalism of a flight instructor. Students will learn how to: efficiently and effectively communicate, the importance of flight planning and navigation systems, night operations, risk management, and regulations related to providing flight instruction as a Certified Flight Instructor. (32 Didactic Hours, 18 Lab Hours)

**AVE 2232 – CFI Module 3 | 2 Credit Hours**

This course will teach the student how to write and evaluate written exams and how to create instructional goals and objectives in accordance with the FAA publications. The student will learn how to properly sign and endorse student pilot logbooks and be given training in the Federal Aviation Regulations which govern endorsements for Private Pilot, Instrument Rating, and Commercial Pilot Certificates. The student will develop a portfolio of flight and ground lesson plans and will learn how to make a proper assessment of student training activities. (33 Didactic Hours, 17 Lab Hours)

**AVE 2242 – CFI Module 4 | 2 Credit Hours**

This course prepares the student for oral portion of the FAA Certified Flight Instructor – Airplane Practical Test. The course will develop the student's ability to measure validity, summarize flight data, and utilize performance-based scenarios to aid in a student pilots learning. Students will review the areas of operations required by the FAA PTS for the FAA practical test to confirm knowledge and understanding of all of the PTS requirements. The student will complete a comprehensive written test and FAA knowledge Test for Flight Instructor Airplane prior to completion of the CFI End of Course Exam. (25 Didactic Hours, 25 Lab Hours)

**AVE 2312 – CFII Module 1 | 2 Credit Hours**

Students explore a number of issues related to the psychology of instruction in the flight environment including: the relation of specific learning styles; mainstreaming issues; and learning challenges to the flight training environment; how teachers can foster self-esteem in their students; techniques for motivating adult learners; and how to encourage the development of critical thinking skills. Prerequisite: Completion of the Diploma Program. (50 Didactic Hours)

**AVE 2322 – CFII Module 2 | 2 Credit Hours**

In this course, students apply instructional techniques for instrument flight instruction and learn to analyze instrument flight maneuvers and techniques. It includes determining objectives, teaching techniques, and evaluation criteria as well as analysis of instrument flight maneuvers including common student errors, control functions as they pertain to aircraft control, effects and principles of safety, and applicable FAA regulations. The student will be prepared to take the FAA Flight Instructor – Instrument Airman Knowledge Test. Prerequisite: Completion of the Diploma Program. (50 Didactic Hours)

**AVF 1564 – Private Pilot Certification – Airplane – Flying | 4 Credit Hours**

Students receive the FAA required training in the aeronautical knowledge subjects and receive flight training in all FAA required flight proficiency areas of operation for issuance of a Private Pilot Certificate – Airplane Single Engine Land. The procedures include: Landings and Go-arounds; Performance Maneuvers; Ground Reference Maneuvers; Navigation; Slow-flight and Stalls; Basic Instrument Maneuvers; Emergency Operations; Night Operations; and Post-flight Procedures. The course includes planned flight time of 24 hours ground instruction, 52.5 hours dual instruction and 5.5 hours of supervised solo. In conjunction with the required related Aviation Education Courses, the student is prepared to attempt the FAA Private Pilot Airplane Single Engine Land Practical test. Prerequisite: FAA Student Pilot Certificate and a current Basic Med, Third (3<sup>rd</sup>) Class or higher FAA Medical Certificate. AVF 1564 is completed concurrently with AVE Private Modules. (Course: 76.5 Didactic Hours (includes 58.0 flight hours) and 22 lab hours (includes pre/post briefing hours) = 98.5 instructional hours)

**AVF 2543 – Instrument Rating – Airplane – Flying | 3 Credit Hours**

Students receive all FAA required training in aeronautical knowledge subjects and receive flight training in all FAA required flight proficiency areas of operation for issuance of an instrument Airplane Rating. Students receive training in and learn: Pre-flight Preparation; Pre-flight Procedures; Air Traffic Control Clearances and Procedures; and Post-flight Procedures. The course includes planned flight time of 26 hours ground instruction and 52 hours dual flight instruction. In conjunction with the required related Aviation Education Courses, the student will be prepared to attempt the FAA Instrument Airplane Rating Practical Test. Prerequisite: Successful completion of Stage 3 PPCC Stage Flight Test or equivalent, a FAA Private Pilot Airplane Certificate, and a current Basic Med, Third (3<sup>rd</sup>) Class or higher FAA Medical Certificate. AVF 2543 is completed concurrently with AVE Instrument Modules. (Course: 78 Didactic Hours (includes 52.0 flight hours) and 14 lab hours (includes pre/post briefing hours) = 92 instruction hours)

**AVF 2585 – Commercial Pilot Certification – Airplane SEL/MEL – Flying | 5 Credit Hours**

This course provides the training required in the aeronautical knowledge subjects and flight proficiency areas of operation for issuance of a Commercial Pilot Certificate with Airplane Single and Multi-Engine Land Ratings. Topics covered in the course include: Pre-flight Preparation; Preflight Procedures; Airport Operations; Take-offs; Landings and Go-arounds; Performance and Ground Reference Maneuvers; Navigation; Slow-flight and Stalls; Emergency Operations; Multi-engine Operations; High Altitude Operations; and Post-flight Procedures. The course is divided into two sections; Part I training time is 80 hours total with 54 hours Dual Instruction in a Single-Engine airplane; 10 hours Solo in a Single-Engine airplane; 16 hours in a single engine Flight Training Device; 14 hours of Ground Instruction. Part I prepares the student to attempt the FAA Commercial Pilot Airplane Single Engine Land FAA Practical Test. Part II training time is 12 hours dual in a Multi Engine Airplane with 4 hours Ground Instruction. This course is taken in conjunction with the required related Aviation Education Courses. Part II prepares the student to attempt the FAA Commercial Pilot Airplane Multi-Engine Land Practical test. Prerequisite: Successful completion of Instrument Rating Course Stage 5 End-of-Course; an FAA Private Pilot Airplane Certificate with Instrument Rating or concurrent enrollment in the Instrument Rating Certification Course; and a current Basic Med, Third Class or higher FAA Medical Certificate. (Course: 100 Didactic Hours (includes 82.0 flight hours) and 29.0 lab hours (includes pre/post briefing hours) = 129 instruction hours)

**AVF 2652 – Certified Flight Instructor – Flying | 2 Credit Hours**

This course requires 25 hours dual flying and 20 hours of Practice ground instruction, during which the student gains experience in the application of the training received in the CFI Ground Modules AVE 2212 through AVE 2242. This course prepares the student to take the FAA Flight Instructor Airplane Certificate Practical test. Prerequisite: Commercial Pilot Certificate with Instrument Rating. (Course: 45.0 Didactic Hours (includes 25.0 flight hours) and 12.5 lab hours (includes pre/post briefing hours) = 57.5 instruction hours)

**AVF 2671 – Certified Flight Instructor Instrument - Flying | 1 Credit Hour**

The course provides student practice instruction related to instrument flight instruction applying the techniques learned in AVE 2312 and AVE 2322. This course prepares the student to take the FAA Instrument Flight Instructor

Practical test. Prerequisite: Commercial Pilot Certificate with Instrument Rating. (Course 28.0 Didactic Hours (includes 18.0 flight hours) and 8.0 lab hours (includes pre/post briefing hours) = 36.0 instruction hours)

## Technology Management

### **BUS1001 - Introduction to Business | 3 Semester Credits**

A basic exposure to business principles, functions, and practices that prepares students with the knowledge to pursue specific areas of study associated with business enterprise such as economics, marketing, finance, human resource management, information technology, operations, ethics, and entrepreneurship. Awareness of the significance of business in the market economy is developed through topical research, discussion, and writing projects. (48 Didactic Hours)

### **ACC2001 – College Accounting | 3 Semester Credits**

This course covers accounting concepts and procedures with an emphasis on the use of financial statements. Applications for accounting in personal and organizational decision making are explored to aid the student in understanding accounting methods in business. Prerequisite: BIM1001 (48 Didactic Hours)

### **MGT1001 – Business Ethics | 3 Semester Credits**

This course is a systematic investigation of both general ethical theory and specific business practices. Case studies are examined from a philosophical point of view to evaluate certain business practices. Course emphasizes the relationship between managerial decisions and ethics. Prerequisite: MGT 3193 (48 Didactic Hours)

### **BIM1001 – Computer Proficiency | 3 Semester Credits**

This course provides students with foundation skills necessary to successfully use Microsoft Office 365 products which include Word, Excel, PowerPoint, Outlook, OneDrive, OneNote, Skype and the Windows Operating System. Students will complete a series of practical tasks and exercise to enhance their skills using real world example which are common in education and business today. The course focuses on teaching essential productivity skills by providing a highly visual step by step approach for learning Microsoft Office 365. Prerequisites: none (48 didactic hour)

### **BUS2001 – Elementary Statistics for Business | 3 Semester Credits**

This course is an introduction to descriptive methods, probability, sampling, estimation and testing, regression and correlation, and analysis of variance. It is designed to develop an understanding of the types of skills needed to succeed in business. Prerequisite: MAT1001 (48 Didactic Hours)

### **QCM2001 Philosophy of Quality Management | 4 Semester Credits**

This course encompasses all the philosophy and concepts of Total Quality approach to Quality Management pulled together in a coherent format that allows the student to understand both the big picture and the specific details of achieving Organizational Excellence. Strategic Management, Ethics and Corporate Social Responsibility, Quality Culture, Customer Satisfaction, Employee Empowerment, Leadership, Followership, Communication Skills and Change Management, Writing and Research are all foundational keys to a total understanding of Quality Management. This course covers the Quality Management Movement to include the great pioneers of total quality; such as Ford, Deming, Juran, Shewart, Ohno, Crosby, Toyoda, and others. Students will utilize their previously acquired knowledge of precision measuring equipment to conduct a Statistical Process Control (SPC) laboratory designed to gather data throughout all QCM classes which will be synthesized and interpreted in the QCM2003 class. This data will be used to demonstrate the capabilities of database management. Included will be hands-on initial, periodic and final inspection process; incident, maintenance, and accident reporting. PREREQUISITES: none (61.75 Didactic, 61.75 Lab Hrs.)

**QCM2002 ISO 9000 and Total Quality** | 4 Semester Credits

Students will learn a foundational understanding of ISO 9000 and cover a comprehensive overview of the International Organization for Standardization (the history and future). Included will be an understanding and knowledge of the Quality Management System (QMS). They will learn the comprehensive history, background, purpose and the relationship of Total Quality Management (TQM), and ISO 9000 Standardization. Introduction to other industry auditing practices and organizations will also be included. Students will continue to utilize their previously acquired knowledge of precision measuring equipment to continue gathering data for the Statistical Process Control (SPC) laboratory designed to gather data which will be synthesized and interpreted in the QCM2003 class. This data will be used to demonstrate the capabilities of database management. Included will be hands-on initial, periodic and final inspection process; incident, maintenance, and accident reporting and the documentation, and process control requirements for all these processes. Introduction to other industry auditing practices and organizations. PREREQUISITES: QCM2001 (61.75 Didactic, 61.75 Lab Hrs.)

**QCM2003 Total Quality Tools and Techniques** | 4 Semester Credits

This course encompasses all the various tools and techniques of quality management, and continual improvement methods: Just-In-Time, Lean, Six Sigma and Lean Six Sigma, Benchmarking, Statistical Process Control (SPC), managing quality in the supply chain, and Quality Function Deployment (QFD), Benchmarking. These topics are all pulled together in a coherent format allowing the student to understand both the big picture and the specific details of quality management. Process Mapping and applying Problem-solving to Optimize and Control Processes. Students will conduct research and prepare a research paper and presentation on a subject determined by the instructor. Students will continue the Statistical Process Control (SPC) Lab, started in QCM2001, and continue in QCM2002 using precision measurements, database management, first article, periodic and final inspection process and the documentation process. This data will be used by the student to demonstrate the capabilities of database management. Continuously building on research and report composition, to include presentation methods. (61.75 Didactic, 61.75 Lab Hrs.) COURSE PREREQUISITES: QCM2002 class or permission of the Department Head.

**BUS3001 – Business Law** | 3 Semester Credits

Students explore the law as applied to a person, a citizen, and to a businessperson. Students develop critical thinking skills enabling them to make intelligent decisions. This course aids in understanding the interrelationship of law and life and how the law may be applied to solve basic questions in business. (48 Didactic Hours)

**MGT3001 – Fundamentals of Management** | 3 Semester Credits

This course is an Introduction to management principles and techniques with a view toward developing essential skills in the field. Both the history of management and contemporary issues will be discussed. It prepares student for further studies in management. (48 Didactic Hours)

**BUS3002 – Business Communications** | 3 Semester Credits

This course is a survey of day-to-day written communication in business. It provides students with intensive practice in letter, memo, and resume writing. Business Communications is primarily for the student interested in acquiring knowledge necessary for employment in the business field. (48 Didactic Hours)

**MKT3001 – Introduction to Marketing** | 3 Semester Credits

This course is a managerial approach to the methods and practices of marketing. Subjects will include consumer behavior, product strategy, social responsibility in marketing, and managing return on marketing. The student will explore new marketing technologies in the digital age and marketing in a global economy. Prerequisite: BUS1001(48 Didactic Hours)

**FIN3001 – Financial Management** | 3 Semester Credits

This course is an introductory course in financial administration of the firm. Topics include short-term and long-term sources of funds, allocation of funds, capital policy, capital budgeting, and cost of capital. Prerequisite: Prerequisite: BUS1001(48 Didactic Hours)

**MGT4001 – Human Resource Management | 3 Semester Credits**

This course is an introduction to the field of human resources; recruitment, training, utilization, and evaluation of these resources within the company and throughout the economy. Topics include staffing, human resource development, compensation, legal considerations, and labor relations. (48 Didactic Hours)

**MGT4002 – Management Information Systems | 3 Semester Credits**

This course is an overview of current principles and practices in the management of business information systems. The value of information, databases, building and managing information systems, the impact of information systems, and computer ethics are discussed. Methods of application in business are examined. Prerequisite: BIM1001 (48 Didactic Hours)

**MGT4003 – International Business Practices | 3 Semester Credits**

An in-depth study of managerial practices needed for business in today's global marketplace. Subject areas include managerial theory and several special topics including a global perspective on management in the world economy. Case studies illustrating managerial problems and solutions are widely used. (48 Didactic Hours)

**MGT4004 – Business Strategies | 3 Semester Credits**

This course is an in-depth study of strategic business planning and development. It is designed as a culmination of previous courses in the management program. Students use the business strategy process to develop and run a business simulation for a small corporation in the technology industry. Subject areas include principles of technology maintenance, technical operations, planning, safety and liability. (48 Didactic Hours)

**MGT4005 – Research in Technology Management | 4 Semester Credits**

Students select a research topic related to technical management practices and prepare a research paper to be presented in class. Emphasis is on current, relevant problems in planning, implementing, or managing various operations in the technology industry. The instructor must approve the topic. (64 Didactic Hours)

## **General Education & Other**

**MAT1001 – College Mathematics | 4 Semester Credits**

In this course, the student will study the concepts of mathematics which will include fractions, decimals, ratios and proportions, percentages, sign numbers, transforming formulas, powers and roots, basic geometry, number bases, scientific notation, basic trig functions, and basic vectors. This course also meets the requirements for FAR Part 147 Prerequisite: None (58 Didactic Hours, 7 Lab Hours)

**PHY1001 – College Physics | 3 Semester Credits**

This course is an introductory course covering the principles of physics. Topics include simple mechanics, aerodynamics, fluids dynamics, atmospheric properties, matter, work, power, energy, motion, heat and temperature and sound. Laboratory work is included. This course also meets the requirements for FAR Part 147. Prerequisite: None (40 Didactic Hours, 18.5 Lab Hours)

**ENG1001 – English Composition | 3 Semester Credits**

This course is a practical expository writing experience in standard usage and essential writing skills. Emphasis is given to the development of the basic sentence, paragraph and essay. Prerequisite: None (48 Didactic Hours)

**HIS1001 – American History: 1865 to Present | 3 Semester Credits**

Students trace the economic, political, social, and intellectual development that shaped modern America. They investigate in detail the impact of industrialization in shaping the emerging nation. Prerequisite: None (48 Didactic Hours)

**SOC1001 – Modern Sociology | 3 Semester Credits**

This course is a study of the role society plays in the lives of individuals and groups. The increased diversity in an ever-shrinking world requires students to acquire a better understanding of the social and cultural factors that will influence their future lives and careers. Prerequisite: None (48 Didactic Hours)

**SPH2001 – Fundamentals of Public Speaking (Speech) | 3 Semester Credits**

This is an introductory course in oral communication emphasizing effective listening, group discussion and group problem-solving techniques, organizational skills, use of evidence and persuasion, and effective delivery techniques. Prerequisite: None (48 Didactic Hours)

**ENG2001 English Composition II – Technical Writing | 3 Semester Credits AMT AAS Only**

This course is a practical writing experience employing standard usage and essential writing skills. It prepares students to design effective technical documents for both written and digital media, with emphasis on technical memos, reports, organizational product-support, and technical-information webs. To support these writing tasks, the course provides an introduction to principles of audience analysis, research and documentation, drafting and revision processes, readability and accessibility of written texts. Prerequisite: ENG1001 (48 Didactic Hours)

**CAR2001 - Career Exploration | 1 Semester Credit**

This course is designed to help pending graduates develop an effective approach to the job search process as they approach graduation. The course emphasizes the understanding of industry expectations and job trends, assessing and developing skills for the workplace, developing a professional portfolio with cover letters and resumes, projecting professionalism, and the practical applications of networking. This course also helps develop self-promotion strategies, successful interviewing, salary negotiations, and overcoming rejection. Prerequisite: None (24 Didactic Hours)

**PSY2001 – Psychology | 3 Semester Credits**

This course is an introduction to the field of social science and applications of the science of psychology. History and methodologies of psychology are explored, with particular attention devoted to human diversity and the role it plays in this discipline. (48 Didactic Hours)

**ECN2001 – Introduction to Economics | 3 Semester Credits**

Students are taught an integrated approach to macroeconomics and microeconomics designed to give a comprehensive view of economics and its place in today's world. Fundamental economic concepts such as cost and benefit, supply and demand, trade, and economic systems are discussed. (48 Didactic Hours)

**HIS2001 – Aviation History | 3 Semester Credits**

This course is a comprehensive study of aviation history from its early development to the present. Focus will be on significant events, personalities, and aircraft that have influenced the development of both civilian and military aviation. (48 Didactic Hours)

## **Appendix A: Additional Campus Information**

### **Campus Maps**

Campus maps are available in the admissions department.

### **New Student Registration**

Non-Flight (“Technical”) new students will complete registration processing at the Pine Street location (Main Campus). Flight new students will complete registration processing at the Cessna Drive location. Registration includes check-in, parking stickers, identification badge, admissions, and a meeting with a student finance team member. Students will also be scheduled for an admission examination, if acceptable test scores (from an approved test) or other approved equivalent have not previously been provided to the college. The student will continue processing with the Housing Office (if housing assistance is requested). Schedules are available upon completion of the registration process.

Flight students with previous flight time should report one week prior to class to complete a credit evaluation flight.

### **Student Activities Center**

Student activity centers are located on all campus locations. Students may use these facilities when not required to be in class. Lounge areas provide a place for additional study or relaxation at students’ convenience. Information concerning student activities are posted on the bulletin boards around each location. Students may participate in industry related organizations that apply to their field of study. This includes the AMT Society, Aircraft Electronics Association, ASNT Club, and Women in Aviation.

### **Student Organizations**

Aircraft Electronics Association Chapter  
Alpha Eta Rho  
American Society of Nondestructive Testing Club  
AMT Society Chapter  
Student Council

### **Professional Affiliations**

Spartan College staff and faculty maintain affiliations with many professional organizations to keep their services, processes, and industry knowledge up to date. Some of these organizations include the following:

Aircraft Electronics Association AEA  
American Institute of Aeronautics & Astronautics AIAA  
American Society for Nondestructive Testing ASNT  
Aviation Maintenance Technician Society  
Aviation Technician Education Council ATEC

Electronics Technician Association ETA  
Experimental Aircraft Association EAA  
National Association of Flight Instructors NAFI  
National Association of Foreign Student Advisors NAFSA  
National Business Aviation Association NBAA  
National Center for Aerospace and Transportation Technologies NCATT  
National Intercollegiate Flying Association NIFA  
Oklahoma Aerospace Commission OAC  
Professional Aviation Maintenance Association PAMA  
The Metropolitan Tulsa Chamber of Commerce  
Tulsa Better Business Bureau BBB  
University Aviation Association UAA  
Women in Aviation International WAI

## **ID Badges**

While on campus, all students are required to wear a Spartan photo I.D. badge on the front, upper area of the shirt. Badges are issued at the time of registration for new students.

Students must present their I.D. badge when making purchases in the bookstore, check out special tools, and to receive assistance in offices on campus. I.D. badges are required to attend classes and to fly airplanes.

Report lost I.D. badges to the Student Records Office in building 8 of the Main Campus and a replacement I.D. badge will be issued at a small fee. Temporary I.D. badges may be issued for one day if the student forgot to bring the badge with them. Temporary I.D. badges are issued in the Student Records Office on the Main Campus and in the Chief Pilot's office on the Flight Campus.

## **Student Life Coordinator**

The Student Life Coordinator is in building 1 on the Main Campus. The Student Life Coordinator provides several services which include general student advising, housing information, part-time job information, and other services which help students while attending college. This office can answer general questions and is an excellent resource when a student is unsure which department can resolve concerns or answer questions related to college life.

## **Student Bookstore**

The student bookstore is located on the Main Campus. Class supplies, books, and tools are available in the bookstore. Note: Only certain items are stocked at the Flight Campus bookstore.

## **Transportation/Parking**

It is highly recommended that students have a vehicle while in Tulsa. Spartan College students can use their home state licenses and car tags if they are current. Oklahoma law requires that



proof of insurance and registration is always kept in the vehicle. All flight students must have personal transportation while attending school because of varying schedules. Students may reference the campus maps that are provided indicating student parking areas.

Students parking on campus lots must have a Spartan College parking permit. Students operating a motor vehicle on Spartan College campuses and in the State of Oklahoma must have a current driver's license and verification of vehicle insurance (with a stated expiration date). Cars improperly parked or abandoned may be towed at the owner's expense. No overnight parking unless otherwise approved.

### **School Closing**

In the event of bad weather conditions, Spartan will send text, email, and voice alerts so students can check to see if classes have been delayed or canceled due to severe weather or road conditions. Local news and radio stations will have campus delays and closure updates available.

Regulations may require the missed class time to be made up. On days of bad weather, allow enough time to reach school safely and on time.

## **Appendix B: Out-of-State State Authorization**

This section provides information related to Out-of-State State Authorization. These authorizations are maintained for various reasons including, but not limited to distance education (if available), direct marketing, and/or student recruitment. In addition to the states listed in this section, there are states that exempt our College. More information about specific exemptions can be obtained through the Dean of Academic Affairs from the Compliance Department.

If you enrolled from one of the below states, you will be subject to the state specific policies; however, the College will defer to the most lenient policy (College or State).

### **Distance Education Courses and Programs**

The College complies with the U.S. Department of Education (ED) distance education guidelines and individual state authorization requirements for states in which the college enrolls distance education students. The College is committed to only enroll distance education students located in states where the college is licensed, exempt from licensure, or where licensure is not required. A state-by-state list detailing whether students located in a particular state are eligible to take distance education courses is available on our website ([www.spartan.edu](http://www.spartan.edu)).

**Consumer Information > Tulsa > Distance Education State Authorization List.**

**IMPORTANT: If a student changes location from an approved state to an unapproved state, the student will most likely be unable to continue in the distance education program and may not be eligible for Federal Financial Aid (Title IV) funding. The student will still be responsible for all tuition, fees, and other charges incurred based on standard refund policy calculations.**

### **State Information**

#### **Alabama**

Commission on Higher Education – Department of Postsecondary Education

Contact information: PO Box 302130, Montgomery, AL 36130-2130. Phone (334) 293-4500.

Alabama Community College System

135 South Union Street, Montgomery, AL 36104. (334) 293-4653.

#### **Arkansas**

State Board of Private Career Education

If a student believes that their rights have been violated, we always suggest they first, seek to resolve the problem by following the school's complaint process. Next, meet with the School Administrator and discuss their concerns with him/her. If the problem is not solved at the school level, the student may contact us at (501) 683-8000.

We will take the following steps to resolve the problem:

1. A complaint form is mailed to the student (complaints must be submitted in writing on the forms provided).
2. Once the completed form has been returned to us, we forward the complaint to the school administrator.
3. The school administrator then has ten (10) calendar days to respond in writing to this complaint.
4. The school's response is then forwarded to the student for review.
5. The student then has ten (10) calendar days from receipt to respond in writing. If additional correspondence is not received from the student by the tenth (10th) calendar day after receipt by the student, the school's response shall be considered accepted by the student.
6. At any time, the Board Staff may attempt to seek an informal resolution of the complaint.

## California

Spartan College of Aeronautics and Technology is a private institution that is approved to operate by the California Bureau for Private and Post-Secondary Education (BPPE), and that approval to operate means compliance with state standards as set forth in the CEC and 5, CCR. The Bureau does not endorse programs and approval does not mean the institution exceeds minimum state standards. Any questions a student may have regarding this catalog that have not been satisfactorily answered by the institution may be directed to the Bureau for Private Postsecondary Education at:

Bureau for Private Postsecondary Education  
2535 Capitol Oaks Drive, Suite 400, Sacramento, CA 95833  
P.O. Box 980818, West Sacramento, CA 95798-0818  
(916) 431-6959 or (888) 370-7589  
(916) 263-1897 fax  
[www.bppe.ca.gov](http://www.bppe.ca.gov)

Please see the College's Grievance Policy and Procedures to assist in resolving any complaints. A student or any member of the public may file a complaint about this institution with the Bureau for Private and Post-Secondary Education (BPPE) by calling (888) 370-7589 or by completing a complaint form, which can be obtained on the Bureau's website [www.bppe.ca.gov](http://www.bppe.ca.gov).

## California STRF

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.

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, 2535 Capitol Oaks Drive, Suite 400, Sacramento, CA 95833, (916) 431-6959 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. Sections 94803, 94877 and 94923, Education Code. Reference: Section 94923, 94924 and 94925, Education Code.

## **Colorado**

### **LICENSES, PERMITS, REGISTRATIONS**

Spartan College is a private institution approved and regulated by the Colorado Department of Higher Education, Private Occupational School Board. Agents working in Colorado for Spartan College of Aeronautics and Technology are licensed by the Colorado Department of Higher Education, Private Occupational School Board.

Complaints may be filed online with the Division of Private Occupational Schools: <http://highered.colorado.gov/dpos>. Telephone: (303) 862-3001. There is a two-year limitation (from student's last date of attendance) on the Division taking action on student complaints.

Potential students are advised to check with all appropriate Colorado regulatory agencies to confirm completion of the program/course offered by Spartan College of Aeronautics and Technology will satisfy initial or renewal licensing or certification requirements of that agency.

Postponement of starting date, whether at the request of the college or the student, requires a written agreement signed by the student and the college. The agreement must set forth: a) whether the postponement is for the convenience of the college or the student, and; b) a deadline for the new start date, beyond which the start date will not be postponed.

If the course is not commenced, or the student fails to attend by the new start date set forth in the agreement, the student will be entitled to an appropriate refund of prepaid tuition and fees within 30 days of the deadline of the new start date set forth in the agreement, determined in accordance with the school's refund policy and all applicable laws and rules concerning Private Occupational Education Act of 1981. The college will provide a full refund if education service is discontinued by the college, EXCEPT IF THE COLLEGE CEASES OPERATION.

### **Student Complaints (Colorado students only)**

Student Complaints should be brought to the attention of the School Director to attempt resolution. The Director and student are to follow the grievance procedures according to school policy printed in the school catalog. The student may also file a written complaint online with the Colorado Division of Private Occupational Schools at <http://highered.colorado.gov/dpos> or by requesting a complaint form at (303) 862-3001. All student complaints submitted to the Division must be in writing and shall be filed within two years after the student discontinues training at the school.

Student is responsible to check with appropriate Colorado regulatory agencies to confirm program/course work will satisfy initial or renewal licensing or certification of that that agency.

## Refund Policy

Students not accepted to the school are entitled to all moneys paid. Students who cancel this contract by notifying the school within seven (7) calendar days are entitled to a full refund of all tuition and fees paid. Students, who withdraw after seven (7) calendar days, but before commencement of classes, are entitled to a full refund of all tuition and fees paid. In the case of students withdrawing after commencement of classes, the school will retain a cancellation charge plus a percentage of tuition and fees, which is based on the percentage of contact hours attended as described in the table below. The refund is based on the official date of termination or withdrawal.

## Refund Table

<b>Student is entitled to upon withdrawal/termination*</b>	<b>Refund †</b>
Within first 10% of program (Same for Ground/Online courses)	90%
After 10% but within first 25% of program (Same for Ground/Online courses)	75%
After 25% but within first 50% of program (Same for Ground/Online courses)	50%
After 50% but within first 75% of program (Same for Ground/Online courses)	25%
After 75% (Same for Ground/Online courses)	NO Refund

\* The above calculations are performed on an academic year (payment period) basis as determined by the date period in which a student withdrew. All charges are based on the contract price of the program.

† Exclusive of books, tools, and supplies

1. The student may cancel this contract at any time prior to midnight of the third business day after signing this contract.
2. Refunds will be made within 30 days from the date of termination. The official date of termination or withdrawal of a student shall be determined in the following manner:
  - a. The date on which the school receives written notice of the student's intention to discontinue the training program; or
  - b. The date on which the student violates published school policy, which provides for termination.
  - c. Should a student fail to return from an excused leave of absence, the effective date of termination for a student on an extended leave of absence or a leave of absence is the earlier of the date the school determines the student is not returning or the day following the expected return date.
3. The student will receive a full refund of tuition and fees paid if the school discontinues a Program/Stand Alone course within a period of time a student could have reasonably completed it, except that this provision shall not apply in the event the school ceases operation.
4. The policy for granting credit for previous training shall not impact the refund policy.

## **Delaware**

Department of Education  
Delaware Higher Education Office  
The Townsend Building  
401 Federal St., Ste. 2  
Dover, DE 19901

### Contact Info:

Email: [dheo@doe.k12.de.us](mailto:dheo@doe.k12.de.us)  
Phone: 302-735-4120 or Toll Free: 1-800-292-7935

## **Georgia**

Please see the College's Grievance Policy and Procedures to assist in resolving any complaints. A student has the right of appeal of the final institutional decision to Nonpublic Postsecondary Education Commission (NPEC).

### Contact Info:

Georgia Nonpublic Postsecondary Education Commission (NPEC)  
2082 East Exchange Place, Suite 220  
Tucker, Georgia 30084-5305  
770-414-3300  
<https://gnpec.georgia.gov/student-complaints>

## **Indiana**

### Notice of Cancellation

Indiana students may cancel, without any penalty or obligation, within six business days from the date on the "Notice of Cancellation" form, excluding Saturdays, Sundays, and holidays. Refer to the form for instructions.

### Refund Policy

Spartan College of Aeronautics and Technology shall pay a refund to the student in the amount calculated under the refund policy specified, no later than their-one (31) days of the student's request for cancellation or withdrawal.

1. A student is entitled to a full refund if one (1) or more of the following criteria are met:
  - (a) The student cancels the enrollment agreement or enrollment application within six (6) business days after signing.
  - (b) The student does not meet the postsecondary proprietary educational institution's minimum admission requirements.
  - (c) The student's enrollment was procured as a result of a misrepresentation in the written materials utilized by the postsecondary proprietary educational institution.

- (d) If the student has not visited the postsecondary educational institution prior to enrollment, and, upon touring the institution or attending the regularly scheduled orientation/classes, the student withdrew from the program within three (3) days.
2. A student withdrawing from an instructional program, after starting the instructional program at a postsecondary proprietary institution and attending one (1) week or less, is entitled to a refund of ninety percent (90%) of the cost of the financial obligation, less an application/enrollment fee of ten percent (10%) of the total tuition, not to exceed one hundred dollars (\$100).
  3. A student withdrawing from an instructional program, after attending more than one (1) week but equal to or less than twenty-five percent (25%) of the duration of the instructional program, is entitled to a refund of seventy-five percent (75%) of the cost of the financial obligation less an application/enrollment fee to ten percent (10%) of the total tuition, not to exceed one hundred dollars (\$100).
  4. A student withdrawing from an instructional program, after attending more than twenty-five percent (25%) but equal to or less than fifty percent (50%) of the duration of the instruction program, is entitled to a refund of fifty percent (50%) of the cost of the financial obligation, less an application/enrollment fee of ten percent (10%) of the total tuition, not to exceed one hundred dollars (\$100).
  5. A student withdrawing from an instructional program, after attending more than fifty percent (50%) but equal to or less than sixty percent (60%) of the duration of the instructional program, is entitled to a refund of forty percent (40%) of the cost of the financial obligation less an application/enrollment fee of ten percent (10%) of the total tuition, not to exceed one hundred dollars (\$100).
  6. A student withdrawing from an instructional program, after attending more than sixty percent (60%) of the duration of the instructional program, is not entitled to a refund.

This institution is authorized: The Indiana Board for Proprietary Education, 101 West Ohio Street, Suite 670, Indianapolis, IN 46204-1984, 317-464-4400 Ext. 138 or 317-464-4400 Ext. 141.

## **Kansas**

Private & Out-of-State Postsecondary  
Education Kansas Board of Regents  
1000 SW Jackson, Suite 520  
Topeka, KS 66612  
Telephone: 785-430-4240

Kansas students may contact the Kansas Board of Regents should they feel their complaint has not been resolved at the school level. Contact information: 1000 SW Jackson, Suite 520, Topeka Kansas 66612-1368. Phone (785) 430-4240.

## **Missouri**

Spartan College of Aeronautics and Technology is duly certified to operate pursuant to Section 173.600 through 173.618 RSMo for purposes of student recruitment. Missouri Department of Education, Proprietary School Certification contact information: 205 Jefferson Street, Jefferson City, MO 65102. Phone (573) 751-2361

The applicant may cancel the Agreement within three (3) business days, exclusive of Saturday, Sunday and holidays for a full refund of all monies paid.

Cancellation before commencement of classes (Buyer's Right to Cancel): Applicant may cancel the agreement at any time before the commencement of classes. If the applicant cancels the agreement before the commencement of classes, all monies will be refunded.

## **Minnesota**

### **Cancellation Policy**

Five-day cancellation policy per Minnesota State.

Notwithstanding anything to the contrary, a school that uses a written contract or enrollment agreement shall refund all tuition, fees and other charges paid by a student, if the student gives written notice of cancellation within five business days after the day on which the contract was executed regardless of whether the program has started.

When a student has been accepted by the school and has entered into a contractual agreement with the school and written notice of cancellation following the fifth business day after the date of execution of contract, but before the start of the program in the case of resident schools, or before the first lesson has been serviced by the school in case of distance education schools, all tuition, fees and other charges, except 15 percent of the total cost of the program but not to exceed \$50, shall be refunded to the student.

Spartan College of Aeronautics and Technology is registered with the Minnesota Office of Higher Education pursuant to Minnesota Statutes sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

## **Montana**

Office of Commissioner of Higher  
Education / Montana University System  
560 N. Park - 4th Floor  
PO Box 203201  
Helena, MT 59620-3201  
General Info: (406) 449-9124



## **New Mexico**

Any student signing an enrollment agreement or making an initial deposit or payment toward tuition and fees of the institution shall be entitled to a cooling off period of at least three workdays from the date of agreement or payment or from the date that the student first

visits the institution, whichever is longer. During the cooling off period the agreement can be withdrawn, and all payments shall be refunded. Evidence of personal appearance at the institution or deposit of a written statement of withdrawal for delivery by mail or other means shall be deemed as meeting the terms of the cooling off period.

New Mexico Higher Education Department contact information: 2048 Galisteo Street, Santa Fe, NM 87505. Phone (505) 476-8400.

## **Ohio**

Spartan College of Aeronautics and Technology is registered as a private institution with the Ohio State Board of Career Colleges and Schools. Registration is not an endorsement of the institution.

State Board of Career Colleges and Schools contact information: 30 East Broad Street, 24<sup>th</sup> Floor, Suite 2481, Columbus Ohio 43215-3414. Phone (614) 466-2752.

## **Tennessee**

Tennessee Higher Education Commission Statement: Spartan College of Aeronautics and Technology is authorized by the Tennessee Higher Education Commission. The Authorization must be renewed each year and is based on evaluation by minimum standards concerning quality of educational, ethical business practices, health and safety, and fiscal year responsibility.

Any person claiming damage or loss as a result of any act or practice by this institution that may be a violation of the Title 49, Chapter 7, Part 20 or Rule Chapter 1520-01-02 may file a complaint with the Tennessee Higher Education Commission, Division of Postsecondary State Authorization.

Tennessee Higher Education Commission contact information: Parkway Towers, Suite 1900, 404 James Robertson Parkway, Nashville, TN 37219. Phone (615) 741-3605.

## **Wisconsin**

Notice of Cancellation

Wisconsin Stats. 38.50 (7) (e) provides that a student shall have the right to cancel enrollment for a program until midnight of the third business day after receipt of notice of acceptance. This notice of the cancellation privilege shall be given to the student upon enrollment. In this document, seller refers to the school and buyer refers to the student. Persons with questions regarding the use and applicability of this form should contact the staff of the Educational Approval Board: State of Wisconsin, Educational Approval Board, 201 West Washington Avenue, 3<sup>rd</sup> Floor, Madison, WI 53708. Phone: (608) 266-1996.

## Refund Policy

The student will receive a full refund of all money paid if the student cancels within a three-business-day cancellation period.

A student who withdraws or is dismissed after attending at least one class, but before completing 60% of the instruction in the current enrollment period, is entitled to a pro-rata refund as follows:

1. The first day of class 100%
2. 90% after completion of at least 1 unit/class but prior to completion of 10% of the program.
3. 80% after completion of at least 10% but prior to completion of 20% of the program.
4. 70% after completion of at least 20% but prior to completion of 30% of the program.
5. 60% after completion of at least 30% but prior to completion of 40% of the program.
6. 50% after completion of at least 40% but prior to completion of 50% of the program.
7. 40% after completion of at least 50% but prior to completion of 60% of the program.
8. No refund after completion of at least 60% of the program.

As part of this policy, the school will retain a one-time application fee. The school will make every effort to refund prepaid amounts for books, supplies and other charges. A student will receive the refund within 40 days of the termination date. If a student withdraws after completing 60% of the instruction, and the withdrawal is due to mitigating circumstances beyond the student's control the school will refund a pro-rata amount. A written notice of withdrawal is not required. The school will make a "good faith" effort to make a refund, if necessary, by sending certified mail to students and parent's permanent address.

Wisconsin students unable to resolve complaints through the school's normal complaint process as stated in school catalog may file a complaint with the Wisconsin Educational Approval Board by calling (608) 266-1996.

## Wyoming

Questions or concerns that are not satisfactorily resolved by school officials for the state of Wyoming students may be brought to the attention of:

Wyoming Department of Education  
2300 Capitol Avenue, Hathaway Building, 2nd Floor  
Cheyenne, WY 82002  
Telephone: 307-777-7673

## **Appendix C: U.S. Department of Education Requirements**

1. Clery/Safety and Security Policy and Reporting
2. College Navigator
3. College Scorecard
4. Constitution Day (September)
5. Copyright Infringement
6. Directory information
7. Drug-Free Awareness
8. FERPA Privacy of Records and Data Security
9. Financial Literacy/Default Prevention
10. Net Price Calculator
11. Outcomes Reporting (Accreditor)
12. Outcomes Reporting (IPEDS)
13. Outcomes Reporting (Other)
14. Preferred Lenders
15. Textbook Information
16. Title IX, VAWA, Sexual Harassment, Sexual Violence and Assault, Non-Discrimination and Anti-Harassment Policy
17. Vaccination Policy
18. Veterans' Benefits Principles of Excellence
19. Veterans' Benefits Shopping Sheet
20. Voter Registration

### **Clery/Safety and Security Policy and Reporting**

Spartan is committed to assisting all members of the Spartan community in providing for their own safety and security. The annual security and fire safety compliance document is distributed to new students and again annually. If you would like to receive a hard copy of the combined Security and Fire Safety Report, you may stop by Student Services Department. The information regarding campus security and personal safety including topics such as: crime prevention, fire safety, college law enforcement authority, crime reporting policies, disciplinary procedures, and other matters of importance related to security and safety on campus. It also contains information about crime statistics for the three previous calendar years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by Spartan; and on public property within or immediately adjacent to and accessible from the campus.

### **College Navigator**

<https://nces.ed.gov/collegenavigator/>

### **College Scorecard**

<https://collegescorecard.ed.gov/>

## **Constitution Day (September)**

On September 17, 1787, the delegates to the Constitutional Convention met for the last time to sign the document they had created. The observance of Constitution Day was signed into law by President George W. Bush to commemorate the signing of the Constitution. The Congress, by joint resolution, designated September 17 as Constitution Day in 2005. Each year, Spartan is honored to join with students and the country in observing this day in new ways each year.

## **Copyright Infringement**

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement. Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or “statutory” damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For “willful” infringement, a court may award up to \$150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys’ fees. For details, see Title 17, United States Code, Sections 504, 505. Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. For more information, please see the website of the U.S. Copyright Office at [www.copyright.gov](http://www.copyright.gov).

## **Directory Information**

As required by the U.S. Department of Education, directory information can be released without the student’s permission unless the student specifically requests in writing that it be withheld. Spartan College has designated the following items as directory information: Student name, address, telephone number, date of birth, enrollment status, dates of attendance, program of study, anticipated completion date and certificates/diplomas/degrees received.

## **Drug-Free Awareness**

Spartan College values its relationship with the adjoining community and recognizes the rights of its neighbors to be secure from abusive conduct and potentially dangerous behavior caused using drugs and alcohol on campus property.

The college will strive to provide a safe and substance abuse free environment for learning, working, and living areas and to prepare graduates for the workplace. Nearly all companies hiring Spartan College of Aeronautics and Technology (“Spartan” or the “Company”) graduates require drug screening as part of the initial employment process. Additionally, a very high percentage of local companies that hire Spartan students for part-time work require substance abuse screening.

Spartan College students are expected to comply with local, state and federal laws relating to the use of drugs and alcohol. The college will not tolerate conduct that disrupts the campus or the academic environment.

#### THC Policy (Medical/Recreational):

Under Federal legislation entitled The Drug Free Workplace Act of 1988 and The Drug Free Schools and Communities Act of 1989, “no institution of higher education shall be eligible to receive funds or any other form of financial assistance under any federal program, including participation in any federally funded or guaranteed student loan program, unless it has adopted and has implemented a program to prevent the use of illicit drugs and abuse of alcohol by students and employees.” Federal law entitled The Controlled Substances Act, prohibits the use, manufacture, distribution, dispensing, or possession of marijuana; it also classifies marijuana as a controlled substance and makes no exception for medical use. State laws that allow for medical and recreational marijuana use do not change the fact that marijuana remains illegal under federal law; the College will therefore continue to enforce its current policies prohibiting the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance, including medical and/or recreational marijuana, on its property or as part of any of its sponsored activities.

Despite popular misconception, state laws only make possession and use of medical and/or recreational marijuana legal under the respective state law. They do not generally legalize marijuana possession and use in all locations or circumstances. Marijuana remains illegal under federal law regardless of whether a person has a medicinal marijuana card from a state or is using marijuana recreationally in states where it is legal at the state level. In order to remain eligible to receive federal grant funding and participate in federally funded student financial aid, the College must require that students, faculty, and staff do not possess or use marijuana on College owned or operated property or as part of any of its College sponsored activities. As a result, the possession or use of marijuana, even in accordance with the exceptions granted by state propositions is a violation of federal law and the College’s current policies and regulations. Employees and students who violate these policies will continue to be subject to disciplinary action.

#### Education:

Spartan College has a clear, concise policy related to the use of alcohol and illicit drugs.

The possession, use, or distribution of illicit drugs and the unlawful use of alcohol by students or employees is not permitted on any Spartan property at any time. Any intoxicating substance that is inhaled, injected, consumed, or introduced into the body in any manner to alter mood, behavior or function is prohibited. These substances include, but are not limited to, controlled substance analogues, (e.g., designer drugs such as “spice”, “K2”, “synthetics” or other “legal” marijuana substitutes that are not otherwise controlled substances); inhalants, propellants, solvents, household chemicals, and other substances used for huffing; prescription or over-the-counter medications when used in a manner contrary to their intended medical purpose or in

excess of the prescribed dosage; and naturally occurring intoxicating substance (e.g., Salvia divinorum). Furthermore, this policy prohibits the possession of paraphernalia associated with drug usage. This includes, but not limited to, glass pipes, metal pipes and water pipes (e.g., bong, hookah, and shisha). Possession of such paraphernalia on Spartan property is prohibited. The absence of illegal drugs or drug residue has no bearing on this prohibition and positive testing for illegal substances is not required for items to be positively identified as paraphernalia.

**Administration:**

A student may be subject to drug and alcohol screening for cause while attending Spartan. Cause may be established through personal observation or reports of the following symptoms or behaviors by a student:

- Observed using alcohol or drugs
- Observed with drug paraphernalia
- Odor of Alcohol
- Odor of marijuana
- Admitted using alcohol or drugs
- Is lethargic - Dilated or constricted pupils
- Eyes are bloodshot
- Red, glassy eyes
- Unable to focus
- Incoherent Speech
- Slurred speech
- Unable to balance or hold onto items or equipment
- Lack of coordination
- Swaying
- Weaving or stumbling
- Fumbling or dropping items
- Fighting or hostile behaviors
- Other specific, articulable behaviors that would cause a reasonable person to suspect a student is impaired in violation of this policy

Suspected alcohol or drug violations involving employees of Spartan will be addressed under applicable guidelines contained in the human resources documents of the Company.

All flight students are required to sign the drug screening acknowledgment statement before starting school and will be required to pass a drug screening prior to their first solo flight.

Any student involved in an injury accident while operating Spartan aircraft or training equipment may be subject to immediate drug testing requirements.

Each campus reserves the right to conduct random testing with approval from a member of Spartan Education Group, LLC (parent company) leadership.

## **FERPA Privacy of Records and Data Security**

In compliance with Public Law 93-380 “The Family Educational Rights and Privacy Act” (FERPA), which is Section 438 of the General Education Provision Act, the college has adopted policies and procedures which permit students the opportunity to view their educational records upon request.

Educational records are those records, files, documents, and other materials that contain information directly related to a student. Educational records do not include working papers concerning students such as informal notes and other temporary notes of a similar nature that are in the sole possession of the faculty or staff member and are not accessible or revealed to any other person. Student records are maintained for a minimum of five years from the student's last day of attendance, with academic transcripts maintained indefinitely.

The college will not permit access to or release of confidential information to any individual or agency without the written consent of the student, except for the following reasons:

1. When records are required by Spartan College officials in the proper performance of their duties;
2. Organizations conducting studies for educational and governmental agencies;
3. U. S. Government agencies as listed in Public Law 93-380;
4. Accrediting agencies;
5. Parents of dependent students as defined by the Internal Revenue Code;
6. Appropriate persons in connection with an emergency;
7. In connection with the awarding of financial aid; and
8. In response to legal court orders.

## **Financial Literacy/Default Prevention**

Every student must participate in entrance and exit financial advising to help ensure that students are fully aware of funding sources and requirements for repayment.

Always remember to stay in contact with the College, even after leaving or graduating. We are here to help you navigate your loan repayment process. Many times, we can answer your questions or explain options. You will be responsible to repay loans obtained for educational programs. They are not treated the same as car loans, for example, and can cause you a great deal of financial heartache for years to come should you fall behind, or worse, fail to pay the loans back. Most federal loans enter default when payments are more than 270 days past due. Other loan types may default sooner.

Student loan default can mean the following:

1. Entire loan balance will be due in full immediately.
2. Collection fees can be added to the outstanding balance.
3. Up to 15% of an individual's paychecks can be taken every pay period.
4. State and Federal tax refunds can be seized.
5. Lose eligibility for future Federal Aid.
6. Lose deferment or forbearance options.
7. Outstanding fees and unpaid interest can be capitalized (added) onto the principal balance.

A defaulted student loan is one of the worst entries that can appear on a credit report. A default entry is far worse than late payments and can mean:

1. Denial of credit cards, car, home loan, or apartment lease.
2. Interest rates may rise on existing loans and credit cards.
3. Banks may refuse opening of a checking account.
4. Denial of a job due to poor credit.
5. Unable to obtain or renew a professional license.

Consult the Student Finance Office with any questions regarding repayment of loans and details about repayment plans.

### **Net Price Calculator**

Spartan.edu > [Campus] > Consumer Information > Net Price Calculator

### **Outcomes Reporting (Accreditor)**

The formulas differ from other agencies. Spartan.edu > [Campus] > Consumer Information > Placement and Graduation or Performance

### **Outcomes Reporting (IPEDS)**

<https://nces.ed.gov/collegenavigator/>

Distributed campus wide annually by July 1<sup>st</sup>. The Integrated Postsecondary Education Data System (IPEDS), provides data, including outcomes related data, for every college that participates in federal student financial aid programs. The formulas differ from other agencies.

### **Outcomes Reporting (Other)**

If required by a state, the information is generally available through state websites under student resources. The formulas differ from other agencies. If states require disclosure on the College's website, you can find them at: Spartan.edu > [Campus] > Consumer Information > Placement and Graduation or Performance

### **Preferred Lenders**

The College does not recommend (preferred) lenders.

## **Textbook Information**

A textbook list complete with ISBN numbers is provided at orientation for on ground students and emailed to online students. The list may be requested sooner from the admissions department. Textbooks are not required to be purchased directly from the College.

## **Title IX, VAWA, Sexual Harassment, Sexual Violence and Assault, Non-Discrimination and Anti-Harassment Policy**

Spartan College of Aeronautics and Technology is committed to creating and maintaining a safe and non-discriminatory learning, living, and working environment free from Sexual Harassment, Dating Violence, Domestic Violence, Stalking, and Retaliation (collectively “Prohibited Conduct”). It is the policy of the College to comply with Title IX of the Education Amendments of 1972 and its implementing regulations (34 C.F.R. Part 106), which prohibit discrimination based on sex in College educational programs and activities. Title IX and its implementing regulations also prohibit retaliation for asserting claims of sex discrimination.

A person who wants to report Prohibited Conduct to the College should contact the Deputy Title IX Coordinator for the applicable campus or the Title IX Coordinator. Contact information, the policy and procedures can all be found at:

[Spartan.edu](#) > [Campus] > Consumer Information > Title IX Policy and Procedures

## **Vaccination Policy**

There are no vaccinations required by the College; however, the College encourages students to speak with a doctor about the risk of not having proper vaccinations when spending time with groups of people such as public shopping areas, schools, and dormitories. Medical professionals generally recommend vaccinations including meningitis and hepatitis.

## **Veterans’ Benefits Principles of Excellence**

Executive Order 13607, signed April 27, 2012 by the President of the United States, established Principles of Excellence (POE) for educational institutions serving service members, veterans, spouses, and other family members. The eight Principles of Excellence are described in the Order with financial aid shopping sheet, financial aid information, recruitment, accreditation, re-admission, return of funds, education plans and point of contact. Compliance with the POE is intended to ensure an institution provides meaningful information to prospective and current military associated students about the financial cost and quality of the institution; to assist those students in making choices about how to use their Federal educational benefits; prevent abusive and deceptive recruiting practices that target the recipients of Federal military and veteran educational benefits; and ensure that the institution provides high-quality academic and student support services to the respective group of students.



## **Veterans' Benefits Shopping Sheet**

Prior to enrollment, Spartan College provides prospective students who are eligible to receive military tuition assistance and veterans education benefits a standard form that discloses total cost of the student's education program, including tuition and fees; the extent to which federal education benefits will cover that cost; type and amount of financial aid for which the student may qualify; the student's estimated student loan debt upon graduation; student outcomes; and other information to facilitate comparison of different institutions' financial aid packages.

## **Voter Registration**

Students can register online to vote by stopping by the Student Resource Center ("Library").  
<https://www.usa.gov/register-to-vote>