

AVIATION OPERATIONS MINOR (18 HOURS)

The Aviation Operations Minor is available for use with any undergraduate academic program, which requires the completion of a minor. The Aviation Operations minor is also available for use within the specialized curriculum component of the BAS/RTM degree. See Attachment C for degree program requirements for the BAS/RTM.

Section A: Course Requirements and Course Descriptions

Course Requirements

Choose one (1) emphasis from those listed below:

R22 Helicopter Flight Training Emphasis (18 hours)

Required Courses:

AFT L214	(2)	R22 Helicopter Private Pilot I Lab
AFT L216	(2)	R22 Helicopter Private Pilot II Lab
AFT L218	(3)	R22 Helicopter Commercial Pilot I Lab
AFT L220	(3)	R22 Helicopter Commercial Pilot II Lab
AFT L222	(3)	R22 Helicopter Certified Flight Instructor (CFI) Pilot Lab
AFT L225	(2)	R44 Helicopter Instrument Pilot Lab
AFT L231	(3)	R44 Helicopter Certified Flight Instructor Instrument (CFII) Pilot Lab

R44 Helicopter Flight Training Emphasis (18 hours)

Required Courses:

AFT L215	(2)	R44 Helicopter Private Pilot I Lab
AFT L217	(2)	R44 Helicopter Private Pilot II Lab
AFT L219	(3)	R44 Helicopter Commercial Pilot I Lab
AFT L221	(3)	R44 Helicopter Commercial Pilot II Lab
AFT L223	(3)	R44 Helicopter Certified Flight Instructor (CFI) Pilot Lab
AFT L225	(2)	R44 Helicopter Instrument Pilot Lab
AFT L231	(3)	R44 Helicopter Certified Flight Instructor Instrument (CFII) Pilot Lab

Airplane Flight Training Emphasis (18 hours) Required

Courses:

AFT L250	(2)	Airplane Private Pilot Lab I
AFT L252	(2)	Airplane Private Pilot Lab II
AFT L254	(2)	Airplane Instrument Pilot Lab
AFT L256	(3)	Airplane Commercial Pilot I Lab
AFT L258	(3)	Airplane Commercial Pilot II Lab
AFT L260	(2)	Airplane-Certified Flight Instructor (CFI) Pilot Lab II
AFT L262	(2)	Airplane Certified Flight Instructor (CFII) Pilot Lab
AFT L270	(2)	Multi-Engine Airplane

AVIATION FLIGHT COURSES (AFT)

AFT L214 R22 Helicopter Private Pilot 1 Lab (2)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students pursuing a Private Pilot Certificate. Ground topics covered include helicopter components and systems, instruments, basic aerodynamics, principles of helicopter flight, airport and heliport operations, performance and limitations, airspace, Federal Aviation Regulations, aviation weather, navigational assistants, communication, and flight planning. The course develops basic aeronautical skills necessary for the student's first solo flight and taking the FAA Private Pilot Helicopter Knowledge Test. Topics covered include gaining proficiency in all procedures and maneuvers necessary for solo flight, off airport operations, night traffic patterns, hazardous flight conditions, and emergency procedures. This course will consist of 35 Dual Flight Hours and 35 flight instructor hours for the ground, flight, and pre/post flight briefings.

Pre-requisites: Permission of the Chief Flight Officer

AFT L215 R44 Helicopter Private Pilot I Lab (2)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students pursuing a Private Pilot Certificate. Ground topics covered include helicopter components and systems, instruments, basic aerodynamics, principles of helicopter flight, airport and heliport operations, performance and limitations, airspace, Federal Aviation Regulations, aviation weather, navigational assistants, communication, and flight planning. The course develops basic aeronautical skills necessary for the student's first solo flight and taking the FAA Private Pilot Helicopter Knowledge Test. Topics covered include gaining proficiency in all procedures and maneuvers necessary for solo flight, off airport operations, night traffic patterns, hazardous flight conditions, and emergency procedures. This course will consist of 35 Dual Flight Hours and 35 flight instructor hours for the ground, flight, and pre/post flight briefings.

Pre-requisites: Permission of the Chief Flight Officer

AFT L216 R22 Helicopter Private Pilot II Lab (2)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students pursuing a Helicopter Private Pilot Certificate. Ground topics covered include review and understanding of all aircraft systems and flight requirements necessary to attain a Private Pilot Certificate to include flight planning and night operations. The flight portion of this course will develop requisite aeronautical skills, knowledge and

to the standards necessary to take and pass the FAA Private Pilot Practical Test with a FAA designated pilot examiner. In addition, students will also train in night and cross-country flight operations. This course will consist of 25 flight hours, 20 of which are Dual Flight Hours and 5 hours Solo/PIC Flight Hours and 25 flight instructor hours for ground, flight, and *Officer* pre/post flight briefings.
Prerequisites: AFT L214, permission of Chief Flight.

AFT L217

R44 Helicopter Private Pilot II Lab (2)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students pursuing a Helicopter Private Pilot Certificate. Ground topics covered include review and understanding of all aircraft systems and flight requirements necessary to attain a Private Pilot Certificate to include flight planning and night operations. The flight portion of this course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take and pass the FAA Private Pilot Practical Test with a FAA designated pilot examiner. In addition, students will also train in night and cross-country flight operations. This course will consist of 25 flight hours, 20 of which are Dual Flight Hours and 5 hours Solo/PIC Flight Hours and 25 flight instructor hours for ground, flight, and pre/post flight briefings. *Prerequisites: AFT L215 permission of Chief Flight Office.*

AFT L218

R22 Helicopter Commercial Pilot I Lab (3)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students engaging in the Commercial Pilot Certificate. Topics covered include a more in-depth study and understanding of aerodynamics of the aircraft, helicopter components and instruments, principles of flying, flight planning, weather, navigation charts communication systems, FAA regulations, and taking the FAA Commercial Pilot Helicopter Knowledge Test. The flight course will further develop private pilot level skills and introduce fundamentals commercial flight skills and knowledge necessary to safely operate a helicopter in VFR environments, day and night cross country flights, solo flights and as Pilot in Command. Topics covered include flight planning, off-airport operations, basic commercial maneuvers, instrument flight and aeronautical decision making. This course will consist of 57.5 flight hours, 52.5 of which are Dual Flight Hours and 5 hours Solo/PIC Flight Hours and 17.5 flight instructor hours for ground, flight instruction and pre/post flight briefings.

Prerequisites: Private Pilot Certificate-Rotorcraft-Helicopter, permission of Chief Flight Officer

AFT L219

R44 Helicopter Commercial Pilot I Lab (3)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students engaging in the Commercial Pilot Certificate. Topics covered include a more in-depth study and understanding of aerodynamics of the aircraft, helicopter components and instruments, principles of flying, flight planning, weather, navigation charts communication systems, FAA regulations, and taking the FAA Commercial Pilot Helicopter Knowledge Test. The flight course will further develop private pilot level skills and introduce fundamentals commercial flight skills and knowledge necessary to safely operate a helicopter in VFR environments, day and night cross country flights, solo flights and as Pilot in Command. Topics covered include flight planning, off-airport operations, basic commercial maneuvers, instrument flight and aeronautical decision making. This course will consist of 57.5 flight hours, 52.5 of which are Dual Flight Hours and 5 hours Solo/PIC Flight Hours and 17.5 flight instructor hours for ground, flight instruction and pre/post flight briefings.

Prerequisites: Private Pilot Certificate-Rotorcraft-Helicopter, permission of Chief Flight Officer.

AFT L220

R22 Helicopter Commercial Pilot II Lab (3)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students engaging in the Commercial Pilot Certificate. Topics covered include a more in-depth study and understanding of aerodynamics of the aircraft, helicopter components and instruments, principles of flying, flight planning, weather, navigation charts communication systems, FAA regulations, and taking the FAA Commercial Pilot Helicopter Knowledge Test. The flight course will further develop private pilot level skills and introduce fundamentals commercial flight skills and knowledge necessary to safely operate a helicopter in VFR environments, day and night cross country flights, solo flights and as Pilot in Command. Topics covered include flight planning, off-airport operations, basic commercial maneuvers, instrument flight and aeronautical decision making. This course will consist of 57.5 flight hours 52.5 of which are Dual Flight Hours and 5 Solo/PIC Flight Hours and 17.5 flight instructor hours for ground, flight instruction and pre/post flight briefings.

Prerequisites: Private Pilot Certificate-Rotorcraft-Helicopter, permission of Chief Flight Officer

AFT L221

R44 Helicopter Commercial Pilot II Lab (3)

This course covers aviation fundamentals as required by Federal Aviation Regulations for students engaging in the Commercial Pilot Certificate. Topics covered include a more in-depth study and understanding of aerodynamics of the aircraft, helicopter components and instruments, principles of flying, flight planning, weather, navigation charts communication systems, FAA regulations, and taking the FAA Commercial Pilot Helicopter Knowledge Test. The flight course will further develop private pilot level skills and introduce fundamentals commercial flight skills and knowledge necessary to safely operate a helicopter in VFR environments, day and night cross country flights, solo flights and as Pilot in Command. Topics covered include flight planning, off-airport operations, basic commercial maneuvers, instrument flight and aeronautical decision making. This course will consist of 57.5 flight hours, 52.5 of which are Dual Flight Hours and 5 Solo/PIC Flight Hours and 17.5 flight instructor hours for ground, flight instruction and pre/post flight briefings.

Prerequisites: Private Pilot Certificate-Rotorcraft-Helicopter, permission of Chief Flight Officer

AFT L222

R22 Helicopter Certified Flight Instructor (CFI) Pilot Lab (3)

This course covers the study of flight instruction fundamentals as required by Federal Aviation Regulations for students pursuing a Certified Flight Instructor certificate. Ground topics covered include fundamentals of instruction, the learning process, the teaching process, student evaluation and testing, course development, lesson planning and classroom training techniques. The flight portion of this course will develop the

aeronautical skill and experience necessary to meet the requirements for a Certified Flight Instructor certificate with a rotorcraft category and helicopter class rating. Students will learn how to manipulate the helicopter for the instructor's seat while reviewing all required flight maneuvers and emergency maneuvers in order to instruct a student. The student will be required to pass the FAA Flight Instructor Helicopter Knowledge Test, The FAA Fundamentals of Instructing Knowledge Test as well as a FAA Flight Instructor Rotorcraft Helicopter Practical Test with a FAA designated pilot examiner. This course will consist of 25 Dual Flight Hours and 40 flight instructor hours for ground, flight, and pre/post flight briefing.

Prerequisites: Commercial Pilots Certificate-Rotorcraft Helicopter, permission of Chief Flight Officer.

AFT L223

R44 Helicopter Certified Flight Instructor (CFI) Pilot Lab (3)

This course covers the study of flight instruction fundamentals as required by Federal Aviation Regulations for students pursuing a Certified Flight Instructor certificate. Ground topics covered include fundamentals of instruction, the learning process, the teaching process, student evaluation and testing, course development, lesson planning and classroom training techniques. The flight portion of this course will develop the aeronautical skill and experience necessary to meet the requirements for a Certified Flight Instructor certificate with a rotorcraft category and helicopter class rating. Students will learn how to manipulate the helicopter for the instructor's seat while reviewing all required flight maneuvers and emergency maneuvers in order to instruct a student. The student will be required to pass the FAA Flight Instructor Helicopter Knowledge Test, The FAA Fundamentals of Instructing Knowledge Test as well as a FAA Flight Instructor Rotorcraft Helicopter Practical Test with a FAA designated pilot examiner. This course will consist of 25 Dual Flight Hours and 40 flight instructor hours for ground, flight, and pre/post flight briefing.

Prerequisites: Commercial Pilots Certificate-Rotorcraft Helicopter, permission of Chief Flight Officer.

AFT L225

R44 Helicopter Instrument Pilot Lab (2)

This course covers the study of instrument flight fundamentals as required by Federal Aviation Regulations for students pursuing an Instrument rating. Ground topics covered include principles of basic altitude instrument flight and the function of navigational aids/receiving equipment in the IFR environment. This includes holding procedures, Federal Aviation Regulations, ATC communication, and IFR approach procedures. As well as emergency flight procedures and meteorology affects the IFR flight. This flight portion of the course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take the FAA Instrument Written Exam and successfully complete the instrument pilot helicopter flight exam with a FAA designated pilot examiner. Flight topics covered include basic altitude flying, emergency procedures, IFR navigational procedures, IFR approaches, holding, IRL and VOR systems, and cross country flight via instrument navigation. This course will consist of 35 Dual Flight Hours and 30 flight instructor hours for ground, flight, and pre/post flight briefings. *Prerequisites: Private Pilot Certificate-Rotorcraft Helicopter, permission of Chief Flight Officer.*

AFT L231

R44 Helicopter Certified Flight Instructor Instrument (CFII) Pilot Lab (3)

In this course the student will gain the knowledge, skill, and aeronautical experience necessary to meet the requirements for a Certified Flight Instructor Instrument Helicopter Rating. Ground topics covered include review of the Fundamentals of Instruction, principles of altitude instrument flying, ATC procedures, meteorology, and IFR navigational charts. The applicant will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. During the flight training, appropriate maneuvers and procedures will be practiced using visual and instrument references, use proper CRM techniques, exhibit positive exchange of control procedures, and display around ADM skills. The student will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. The student will complete the FAA Certified Flight Instructor Helicopter Knowledge as well as complete the FAA Instructor Instrument Rating Helicopter Practical Test with a FAA designated pilot instructor. This course will consist of 15 Dual Flight Hours and 16 flight instructor hours for ground, flight, and pre/post flight briefings. *Prerequisites: Commercial Instrument Pilots Certificate-Rotorcraft Helicopter, permission of Chief Flight Officer.*

AFT L250

Airplane Private Pilot Lab I (2)

This course covers aviation fundamentals as required by FAA regulations Part 141 for students pursuing a Private Pilot Airplane Certificate. Ground topics covered include components and systems, instruments, basic aerodynamics, principles of flight, airport operations, performance and limitations, airspace, Federal Aviation Regulations, aviation weather, navigational assistants, communication, and flight planning. The flight portion of the course develops basic aeronautical skills necessary for the student's first solo flight and completion of the FAA Private Pilot Airplane written exam. Topics covered include gaining proficiency in all procedures and maneuvers necessary for solo flight, night traffic patterns, hazardous flight conditions, and emergency procedures. This course will consist of 27.5 flight hours, 22.5 of which are Dual Flight Hours and 5 hours Solo/PIC Flight Hours and 35 flight instructor hours for ground, flight, pre/post flight briefings.

Prerequisites: permission of department chair and instructor.

AFT L252

Airplane Private Pilot Lab II (2)

This course covers aviation fundamentals as required by FAA regulations Part 141 for students pursuing a Private Pilot Airplane Certificate. Ground topics, covered include review and understanding of all aircraft systems and funding requirements necessary to obtain a Private Pilots Certificate to include flight planning and night operations. The flight portion of this course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take the FAA Private Pilot Flight check with FAA designated pilot examiner. In addition, students will also train in night and cross-country flight operations. This course will

consist of 27.5 flight hours, 22.5 of which are Dual Flight Hours and 5 hours Solo/PIC Flight Hours and 25 flight instructor hours for ground, flight, pre/post flight briefings, 2 additional flight hours for FAA Private Pilot Practical Test.

Prerequisites: Private Pilot I Lab permission of chair and instructor

AFT L254

Airplane Instrument Pilot Lab (2)

This course covers the study of instrument flight fundamentals as required by FAA regulations Part 141 for students pursuing an Instrument rating. Ground Topics covered include being introduced to Principles of basic altitude instrument flight and the function of navigational aids/receiving equipment in the IFR environment. This includes holding procedures, Federal Aviation Regulations, ATC communication and IFR approach procedures. As well as emergency flight procedures and meteorology affects for IFR flight. The flight portion of the course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take the FAA Airplane Instrument Written Exam and pass an instrument check flight with a FAA designated flight examiner. Flight topics covered include basic altitude flying, emergency procedures, IFR navigational procedures, IFR approaches, holdings, ILS and VOR systems, and cross country flight via instrument navigation. This course will consist of 40 Dual Flight Hours and 30 flight instructor hours for the ground, flight, pre/post flight briefings, 2 additional flight hours for FAA Instrument Private Pilot Practical Test. *Prerequisites: Permission of the department chair and instructor.*

AFT L256

Airplane Commercial Pilot Lab I (3)

This course covers aviation fundamentals as required by FAA regulations Part 61 for students engaging in a Commercial Pilot Certificate. Topics covered include a more in-depth study and understanding of aerodynamics of the aircraft, components and instruments, principles of flying, flight planning, weather, navigation charts, communication systems, and FAA regulations. The flight portion of this course will further develop private pilot level skills and introduce fundamental commercial flight skills and knowledge necessary to safely operate an airplane in VFR environments, day and night cross country flights, solo flights and as pilot in command. Topics covered include flight planning, basic commercial maneuvers, instrument flight and aeronautical decision making. During this course students will take the FAA Commercial Pilot written exam. This course will consist of 91 flight hours of which are 20 Dual Flight Hours and 71 hours Solo/PIC Flight Hours and 17.5 flight instructor hours for ground, flight instruction, and pre/post flight briefings. *Prerequisite: Private Pilot Certificate- Airplane, permission of chair and instructor.*

AFT L258

Airplane Commercial Pilot Lab II (3)

The course covers the study of commercial flight fundamentals as required by FAA regulations Part 61 for students pursuing a Commercial Pilot Certificate. Ground topic covered include a review of prior Commercial Pilot Lab I material plus review CFRs related to commercial pilot operation, Publication, Certificates, Aeronautical Decision Making and Judgment, Advance Flight Maneuvers, High Altitude Operations and Emergency procedures. The flight portion of this course will develop essential flight skills, knowledge and proficiency to pass the FAA Commercial Pilot Airplane flight exam with a FAA designated pilot examiner. Emphasis will be given to training in advanced commercial maneuvers and night flight mastery. This course will consist of 60 flight hours of which are 35 Hours Dual Flight Hours and 25 hours Solo/PIC Flight Hours and 17.5 flight instructor hours for ground, flight instruction, pre/post flight briefings, and 2 additional flight hours for FAA Commercial Pilot Practical Test.

Prerequisites: Airplane Commercial Pilot I Lab, permission of chair and instructor.

AFT L260

Airplane-Certified Flight Instructor (CFI) Pilot Lab II (2)

This course covers the aeronautical experience necessary to meet the requirements by FAA Regulations Part 61 for a Certified Flight Instructor Instrument Airplane rating. Ground Topics covered include Fundamentals of Instruction, principles of altitude instrument flying, ATC procedures, meteorology, and IFR navigational charts. The applicant will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. During the flight training, appropriate maneuvers and procedures will be practiced using visual and instrument references, use of proper CRM techniques, exhibit positive exchange of control procedures, and display sound ADM skills. This course will require the student to pass the FAA CFI written exam and FAA flight check ride with a designated pilot examiner. This course will consist of 25 Dual Flight Hours of which 3 Dual Flight Hours is involved with aircraft spin training and 40 instructor hours for ground, flight instruction, pre/post flight briefings, and 2 additional flight hours for FAA CFI Pilot Practical Test.

Prerequisites: Commercial Instrument Pilot Certificate- Airplane, permission of chair and instructor.

AFT L262

Airplane-Certified Flight Instructor (CFII) Pilot Lab (2)

This course covers the aeronautical experience necessary to meet the requirements by FFA Regulations Part 61 for a Certified Flight Instructor Instrument Airplane Certificate. Ground topics covered include review of the Fundamentals of Instruction, principles of altitude instrument flying, ATC procedures, meteorology, and IFR navigational charts. The applicant will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. During the flight training, appropriate maneuvers and procedures will be practiced using visual and instrument references, use of proper CRM techniques, exhibit positive exchange of control procedures, and display sound ADM skills. The student will obtain the instructional knowledge required to teach these subjects including recognition, analysis, and correction of common student errors. The student will be required to take the CFII written exam and complete the FAA CFII Airplane flight check with a FAA designated pilot examiner. This course will consist of 15 Dual Flight Hours and 15 instructor hours for ground, flight, pre/post flight briefings, and 2 additional flight hours for FAA CFII Pilot Practical Test.

Prerequisites: Commercial Instrument Pilot Certificate- Airplane, permission of chair and instructor.

AFT L270

Multi-Engine Airplane (2)

This course covers the aeronautical experience necessary to meet the requirements by FAA Regulations Part 61 for a commercial Multi-Engine rating for those pilots who already possess a Commercial Single-Engine Airplane. This course will require a Multi-Engine Flight check with a FAA designated flight examiner. This course will consist of 15 flight hours and 15 flight instructor hours for ground, flight, pre/post flight briefings, and 2 additional flight hours for FAA Multi-Engine Practical Test.

Prerequisites: Commercial Single-Engine Certificate- Airplane, permission of chair and instructor.

Section B

Helicopter Program Pricing – Troy University

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L214 2 Credit Hours			
R22 Helicopter Private Pilot Lab 1			
Dual	35 Hours	\$377.00	\$13,195.00
Solo			
Ground Training	35 Hours	\$57.59	\$2,015.65
Pre/Post Flight			
Total Flight Training Course Cost			*\$15,210.65

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course & Knowledge Exam Fee			\$3,141.36

The total cost for AFT L214 course is \$19,528.01.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L215 2 Credit Hours			
R44 Helicopter Private Pilot Lab 1			
Dual	35 Hours	\$628.27	\$21,989.45
Solo			
Ground Training	35 Hours	\$57.59	\$2,015.65
Pre/Post Flight			
Total Flight Training Course Cost			*\$24,005.10

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course & Knowledge Exam Fee			\$3,141.36

The total cost for AFT L215 course is \$28,322.46.

Program AFT L216 2 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
R22 Helicopter Private Pilot Lab 2			
Dual	20 Hours	\$377.00	\$7,540.00
Solo	5 Hours	\$377.00	\$1,885.00
Ground Training	25 Hours	\$57.59	\$1,439.75
Pre/Post Flight			
Total Flight Training Course Cost			*\$10,864.75

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course & DPE Fee			\$1,197.12

The total cost for AFT L216 course is \$13,237.87.

Program AFT L217 2 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
R44 Helicopter Private Pilot Lab 2			
Dual	20 Hours	\$628.27	\$12,565.40
Solo	5 Hours	\$628.27	\$3,141.35
Ground Training	25 Hours	\$57.59	\$1,439.75
Pre/Post Flight			
Total Flight Training Course Cost			*\$17,146.50

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course & Knowledge Exam Fee			\$1,197.12

The total cost for AFT L217 course is \$19,519.62.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L218 3 Credit Hours			
R22 Helicopter Commercial Pilot Lab 1			
Dual	57.5 Hours	\$377.00	\$21,677.50
Solo			
Ground Training	17.5 Hours	\$57.59	\$1,007.83
Pre/Post Flight			
Total Flight Training Course Cost			*\$22,685.33

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course, DPE, & Knowledge Exam Fee			\$0.00

The total cost for AFT L218 course is \$24,449.33.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L219 3 Credit Hours			
R44 Helicopter Commercial Pilot Lab 1			
Dual	57.5 Hours	\$628.27	\$36,125.53
Solo			
Ground Training	17.5 Hours	\$57.59	\$1,007.82
Pre/Post Flight			
Total Flight Training Course Cost			*\$37,133.35

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course, DPE, & Knowledge Exam Fee			\$0.00

The total cost for AFT L219 course is \$38,897.35.

Program AFT L220 3 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
R22 Helicopter Commercial Pilot Lab 2			
Dual	57.5 Hours	\$377.00	\$21,677.50
Solo			
Ground Training	17.5 Hours	\$57.59	\$1,007.83
Pre/Post Flight			
Total Flight Training Course Cost			*\$22,685.33

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course, DPE, & Knowledge Exam Fee			\$1,197.12

The total cost for AFT L220 course is \$25,646.45.

Program AFT L221 3 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
R44 Helicopter Commercial Pilot Lab 2			
Dual	57.5 Hours	\$628.27	\$36,125.53
Solo			
Ground Training	17.5 Hours	\$57.59	\$1,007.82
Pre/Post Flight			
Total Flight Training Course Cost			*\$37,133.35

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course, DPE, & Knowledge Exam Fee			\$1,197.12

The total cost for AFT L221 course is \$40,094.47.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L222 3 Credit Hours			
R22 Helicopter Certified Flight Instructor Pilot Lab			
Dual	25 Hours	\$377.00	\$9,425.00
Solo			
Ground Training	40 Hours	\$57.59	\$2,303.60
Pre/Post Flight			
Total Flight Training Course Cost			*\$11,728.60

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course, DPE, & Knowledge Exam Fee			\$1,347.12

The total cost for AFT L222 course is \$14,839.72.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L223 3 Credit Hours			
R44 Helicopter Certified Flight Instructor Pilot Lab			
Dual	25 Hours	\$628.27	\$15,706.75
Solo			
Ground Training	40 Hours	\$57.59	\$2,303.60
Pre/Post Flight			
Total Flight Training Course Cost			*\$18,010.35

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course, DPE, & Knowledge Exam Fee			\$1,347.12

The total cost for AFT L223 course is \$21,121.47.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L225 2 Credit Hours			
R44 Helicopter Instrument Pilot Lab			
Dual	35 Hours	\$628.27	\$21,989.45
Solo			
Ground Training	30 Hours	\$57.59	\$1,727.70
Pre/Post Flight			
Total Flight Training Course Cost			*\$23,717.15

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course, DPE, & Knowledge Exam Fee			\$1,197.12

The total cost for AFT L225 course is \$26,090.27.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L231 3 Credit Hours			
R44 Helicopter Certified Flight Instructor Instrument			
Dual	15 Hours	\$628.27	\$9,424.05
Solo			
Ground Training	16 Hours	\$57.59	\$921.44
Pre/Post Flight			
Total Flight Training Course Cost			*\$10,345.49

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338 per credit	3 credits	\$1,014.00
Program Fees	\$250 per credit	3 credits	\$750.00
Course, DPE, & Knowledge Exam Fee			\$1,197.12

The total cost for AFT L231 course is \$13,306.61.

Airplane Flight Courses offered Troy University only:

Program AFT L250 2 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
Airplane Private Pilot Lab 1			
Dual (DA-40)	22.5 Hours	\$160.00	\$3,600.00
Solo (DA-40)	5 Hours	\$160.00	\$800.00
Ground Training	35 Hours	\$45.00	\$1,575.00
Flight Instruction Hours	22.5 Hours	\$45.00	\$1,012.50
Total Flight Training Course Cost			*\$6,987.50

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course & Knowledge Exam Fee			\$3,291.36

The total cost for AFT L250 course is \$11,454.86.

Program AFT L252 2 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
Airplane Private Pilot Lab 2			
Dual (DA-40)	22.5 Hours	\$160.00	\$3,600.00
Solo (DA-40)	5 Hours	\$160.00	\$800.00
Ground Training	25 Hours	\$45.00	\$1,125.00
Flight Instruction Hours	22.5 Hours	\$45.00	\$1,012.50
Total Flight Training Course Cost			*\$6,537.50

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course & DPE Fee			\$650.00
2 hours Rental DA-40 for FAA Private Pilot Practical Test			\$320.00

The total cost for AFT L252 course is \$8,683.50.

Program AFT L254 2 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
Airplane Instrument Pilot Lab			
Dual (DA-40)	40 Hours	\$160.00	\$6,400.00
Solo			
Ground Training	30 Hours	\$45.00	\$1,350.00
Flight Instruction Hours	40 Hours	\$45.00	\$1,800.00
Total Flight Training Course Cost			*\$9,550.00

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course & DPE Fee			\$650.00
2 hours Rental DA-40 for FAA Instrument Pilot Practical Test			\$320.00

The total cost for AFT L254 course is \$11,696.00.

Program AFT L256 3 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
Airplane Commercial Pilot Lab 1			
Dual (DA-40)	20 Hours	\$160.00	\$3,200.00
Solo (DA-40)	71 Hours	\$160.00	\$11,360.00
Ground Training	17.5 Hours	\$45.00	\$787.50
Flight Instruction Hours	20 Hours	\$45.00	\$900.00
Total Flight Training Course Cost			*\$16,247.50

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course & Knowledge Exam Fee			\$150.00

The total cost for AFT L256 course is \$18,161.50.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L258 3 Credit Hours			
Airplane Commercial Pilot Lab 2			
Dual (DA-40)	25 Hours	\$160.00	\$4,000.00
Dual (PA-28)	10 Hours	\$150.00	\$1,500.00
Solo	25 Hours	\$160.00	\$4,000.00
Ground Training	17.5 Hours	\$45.00	\$787.50
Flight Instruction Hours	35 Hours	\$45.00	\$1,575.00
Total Flight Training Course Cost			*\$11,862.50

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	3 credits	\$1,014.00
Program Fees	\$250.00 per credit	3 credits	\$750.00
Course & DPE Fee			\$650.00
2 hours Rental DA-40 for FAA Commercial Pilot Practical Test			\$320.00

The total cost for AFT L258 course is \$14,596.50.

Program	Max Approved Hours	Max Approved Rate/Hour	Totals
AFT L260 2 Credit Hours			
Airplane Certified Flight Instructor Pilot Lab			
Dual (DA-40)	22 Hours	\$160.00	\$3,520.00
Dual (C-172)	3 Hours	\$110.00	\$330.00
Solo			
Ground Training	40 Hours	\$45.00	\$1,800.00
Flight Instruction Hours	25 Hours	\$45.00	\$1,125.00
Total Flight Training Course Cost			*\$6,775.00

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course, Knowledge, and DPE Fees			\$850.00
2 hours Rental DA-40 for FAA CFI Pilot Practical Test			\$320.00

The total cost for AFT L260 course is \$9,121.00.

Program AFT L262 2 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
Airplane Certified Flight Instructor Instrument			
Dual (DA-40)	15 Hours	\$160.00	\$2,400.00
Solo			
Ground Training	15 Hours	\$45.00	\$675.0
Flight Instruction Hours	15 Hours	\$45.00	\$675.00
Total Flight Training Course Cost			*\$3,750.00

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course, Knowledge & DPE Fee			\$850.00
2 hours Rental DA-40 for FAA CFII Private Pilot Practical Test			\$320.00

The total cost for AFT L262 course is \$6,096.00.

Program AFT L270 2 Credit Hours	Max Approved Hours	Max Approved Rate/Hour	Totals
Airplane Multi-Engine			
Dual (Beech 95)	15 Hours	\$285.00	\$4,275.00
Solo			
Ground Training	15 Hours	\$45.00	\$675.00
Flight Instruction Hours	15 Hours	\$45.00	\$675.00
Total Flight Training Course Cost			*\$5,625.00

*In addition to the flight cost above the student will be billed the following charges for the course:

Tuition	\$338.00 per credit	2 credits	\$676.00
Program Fees	\$250.00 per credit	2 credits	\$500.00
Course and DPE Fees			\$650.00
2 hours Rental Beech 95 for FAA Multi-Engine Practical Test			\$570.00

The total cost for AFT L270 course is \$8,021.00.

Section C

Entrance Requirements and Prerequisites, including license and type of medical certificate

Proof of Citizenship

The Transportation Security Administration (TSA) requires that valid proof of citizenship be on file for every student receiving flight training at our institution. To comply with the Department of Homeland Security, you must bring with you either a current passport (preferred) OR an original birth certificate and a current Driver's license. We cannot accept copies of these documents. We will verify and make a copy for our files in our administrative office. Training will not commence until this has been fulfilled so please anticipate the need for these documents and bring them with you at the beginning of the semester.

Pilot Physical/Student Pilot Certificate

Every student in flight training is required to hold a minimum of a **Class II medical certificate**. An Aviation Medical Examiner (AME) must issue this certificate and an AME near you can be found using the [FAA Medical Examiner Finder](#).

A Class III is a very basic medical and does not guarantee that you would pass a Class I or Class II physical upon starting your aviation career. You must have at least a Class II medical to begin flight training with us. If you have any pre-existing medical conditions, you may want to schedule your appointment several months before coming to school so that you have time to submit any additional paperwork or tests if requested by the FAA.

You must also obtain a Student Pilot Certificate.

You must complete an application through the Integrated Airman Certification and Rating Application (IACRA) website or by paper using FAA form 8710-1 and submit it to a Flight Standards District Office (FSDO), a FAA-Designated Pilot Examiner (DPE), an airman certification representative associated with a Part 141 flight school (Troy University), or a Certified Flight Instructor (CFI). The authorized individual will process your application and submit the required documents to the Airmen Certification Branch.

Once, reviewed by Airman Certification Branch, the Student Pilot Certificate will be mailed to the address provided by you on the application. This process will take approximately three weeks so students should plan well ahead to ensure they have obtained both the pilot medical physical and the Student Pilot Certificate. A student may begin the Private Pilot lab courses before they obtain the Student Pilot Certificate but must have student pilot certificate in their possession before they can fly solo.

Complaint Policy:

Any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <http://www.benefits.va.gov/GIBILL/Feedback.asp>. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

Minimum hours required for Helicopter dual and solo training

Course	Minimum Hours
AFT L214 R22 Helicopter Private Pilot 1 Lab	35 flight and 35 ground
AFT L215 R44 Helicopter Private Pilot 1 Lab	35 flight and 35 ground
AFT L216 R22 Helicopter Private Pilot 2 Lab	25 flight and 25 ground
AFT L217 R44 Helicopter Private Pilot 2 Lab	25 flight and 25 ground
AFT L218 R22 Helicopter Commercial Pilot 1 Lab	57.5 flight and 17.5 ground
AFT L219 R44 Helicopter Commercial Pilot 1 Lab	57.5 flight and 17.5 ground
AFT L220 R22 Helicopter Commercial Pilot 2 Lab	57.5 flight and 17.5 ground
AFT L221 R44 Helicopter Commercial Pilot 2 Lab	57.5 flight and 17.5 ground
AFT L222 R22 Helicopter Certified Flight Instructor Pilot Lab (CFI)	25 flight and 40 ground
AFT L223 R44 Helicopter Certified Flight instructor Pilot Lab (CFI)	25 flight and 40 ground
AFT L225 R44 Helicopter Instrument Pilot Lab	35 flight and 30 ground
AFT L231 R44 Helicopter Certified Flight Instructor Instrument Pilot Lab (CFII)	15 flight and 16 ground
AFT L236 R44 Helicopter Night Vision Goggle Flight Lab	6 flight and 8 ground
AFT L238 R44 Helicopter External Load Flight Lab	15 flight and 10 ground

Types of aircrafts that may be used for instruction in these courses

	Hourly	NVG/External Load
R22	\$377	
R44	\$628.27	\$732.98
Instructor Time	\$57.59	\$57.59

Course	Minimum Hours
AFT L250 Airplane Private Pilot Lab 1	27.5 flight and 35 ground
AFT L252 Airplane Private Pilot Lab 2	27.5 flight and 25 ground
AFT L254 Airplane Instrument Pilot Lab	40 flight and 30 ground
AFT L256 Airplane Commercial Pilot Lab 1	91 flight and 17.5 ground
AFT L258 Airplane Commercial Pilot Lab 2	60 flight and 17.5 ground
AFT L260 Airplane Certified Flight Instructor (CFI) Pilot Lab	25 flight and 40 ground
AFT L262 Airplane Certified Flight Instructor Instrument (CFII) Lab	15 flight and 15 ground
AFT L270 Multi-Engine Airplane	15 flight and 15 ground

Minimum hours required for Airplane dual and solo training

Types of airplanes that may be used for instructions in these courses

	Hourly
DA-40	\$160
PA-28	\$150
C-172	\$110
Beech 95A	\$285
Instructor Time	\$35

Section D

Aviation Operations minor as part of the degree requirements for the BAS/RTM major.

BACHELOR OF APPLIED SCIENCE: RESOURCE AND TECHNOLOGY MANAGEMENT MAJOR (36 HOURS)

Note: This major requires the selection of any 18-hour minor

Area III Requirements

SCI 2233	(3)	Physical Science
SCI L233	(1)	Physical Science Lab

Area IV Requirements

ECO 2251	(3)	Principles of Macroeconomics
ECO 2252	(3)	Principles of Microeconomics

Area V Requirements (24 hours)

TROY 1101	(1)	University Orientation
IS 2241	(3)	Computer Concepts & Applications
GEO 2210	(3)	World Regional Geography
POL 2260	(3)	World Politics
PSY 2200	(3)	General Psychology
SOC 2275	(3)	Introduction to Sociology
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab
Electives (5 hours)		

Resource & Technology Management Major (36 hours)

Required Core courses (18 hours)

BIO 4465	(3)	Occupational Safety and Health
MKT 3300	(3)	Principles of Marketing
MGT 3300	(3)	Principles of Management
SCI 3365	(3)	Principles of Applied Science
SOC 3370	(3)	Society and Environment
SS 3375	(3)	Introduction to Social Science Inquiry

Select a minimum of 18 semester hours from the courses listed below:

BIO 4460	(3)	Critical Issues of Environmental Mgmt.
CJ 3335	(3)	Private & Public Security Administration
CS 3310	(3)	Foundations of Computer Science
PSY 4410	(3)	Business and Industrial Science
SCI 3366	(3)	Survey of Electronic Technology
SCI 3370	(3)	Toxic, Radioactive, & Hazardous Material
SCI 4450	(3)	Science in a Regulatory Environment
SOC 3310	(3)	Minorities in U.S. Social Structure

OR

Transfer of ***Specialized technical courses.** (not to exceed 18 semester hours.)

***Specialized technical courses.**

Credit will be awarded for specialized technical knowledge based upon American Council of Education (A.C.E.) credit recommendations or transfer work from regionally accredited (Southern Association of Colleges and Schools, Middle States Association of Colleges and Schools, etc.) post-secondary community college, or technical schools as approved by the Academic Council. Specializations are not available in fields of study that are offered through Troy University as majors, programs, or minors, e.g., nursing, computer science, information systems, or education. Exceptions to the use of a Troy University minor are Aviation Operations and Advanced Professional Flight. Program requirements for either minor may be used to satisfy the 18 hours of specialized technical courses.

Eligibility

Eligibility for enrollment in one of the applied science degree programs is dependent upon prior education and/or experience. Before enrollment in one of the programs, official documentation of prior learning must be submitted to determine eligibility. All post-secondary technical school transfer students must complete all courses required in the institution's curriculum and earn (if appropriate) a diploma or certificate before being granted admission into the resources management degree program. No additional credit will be awarded for the possession of a license (i.e., all credit awarded is based on documentation of training and evaluation leading to the issue of a license, not the mere possession of a license). All credit from the Community College of the Air Force (CCAF), accredited post-secondary technical schools, and/or American Council on Education (ACE) recommendations will be

considered junior college credit except where specifically recommended by ACE for upper-division credit. No credit will be awarded until six semester hours of academic credit has been earned at Troy University. At least 50 percent of the degree program must be traditional academic credit at the 3300/4400 level. Curriculum: The academic curricula taught by the university have been developed to supplement, not duplicate, the vocational/technical training or other experiential learning the individual may possess in a manner designed to provide these individuals greater career opportunities.