



**Private Pilot  
Certification Course  
(ASEL)  
Training Syllabus  
FAR Part 61**

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**Private Pilot  
Certification Course  
(ASEL)  
Ground Training  
Syllabus  
FAR Part 61**

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**TECH AVIATION FLIGHT SCHOOL, INC.**

**PRIVATE PILOT CERTIFICATION COURSE  
AIRPLANE SINGLE-ENGINE LAND (ASEL)  
GROUND TRAINING SYLLABUS**

***PRINT STUDENT NAME:***

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**LAST NAME, FIRST NAME**

**\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
DATE (mm/dd/yyyy)**

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## **INTRODUCTION**

This ground training syllabus is designed to allow the pilot applicant to acquire the aeronautical knowledge needed to safely operate as a Private Pilot and satisfactorily complete the Private Pilot Knowledge Test.

Within this syllabus, there is one stage and fourteen separate lessons, each with stated objectives and completion standards that must be satisfied in order for the lesson to be complete. Adequate knowledge of the specified study material is necessary for satisfactory progress in the individual lessons and for overall progress in the course. The individual lesson times are not mandatory. The hours in each lesson are primarily for instructor and student guidance. Total specified training hours at the end of the course completion must be met (35 hours). However, before a student can receive a logbook endorsement or a ground school completion certificate, the sequence of lessons, including the course completion examination, must be satisfactorily completed.

Every lesson contains a training outline and a detailed list of items that the student must successfully complete. Normally, a lesson is complete in this allotted time. If a student is unable to master the lesson in the specified time, it is necessary to repeat all or portion of the lesson until completion standards are met.

This syllabus has lesson evaluations that check the student's progress. The course completion check at the end of this course assures that the student acquired the aeronautical knowledge required to satisfactorily complete the FAA Private Pilot (ASEL) Knowledge Test. The examination questions are extracted from the current FAA Private Pilot Knowledge Test questions in appropriate subject matter areas, or a reasonable facsimile.

A record of the ground training received, shall be formally documented on a chronological log of student attendance, including lessons covered, and names and grades of any tests taken.

## TRAINING SYLLABUS

### I. ENROLLMENT PREREQUISITES:

There are no specific requirements to enroll in this ground training course.

### II. GRADING CRITERIA FOR THE STUDENT AND INSTRUCTOR:

- I. The overall performance grade for each lesson completed is based on the evaluation assignments, knowledge, preparation, skill, attitude, and judgment of the student.
- II. Grading criteria is to be based upon the building block method of instruction. A lesson is not complete unless the instructor is satisfied with the student's performance in all areas, and awards the student a grade of Satisfactory (S) or 70% or higher on the entire lesson. The above criteria should be used as a guideline for this assessment. Students will demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering the instructor's verbal and written questions. Minimum passing score on the course completion examination is 70%. Incorrect responses shall be corrected to reinforce and ensure student understanding.

### III. OBJECTIVE

Since this ground training syllabus is organized as a single stage of training, the course and stage objective is to prepare the student to take the FAA Private Pilot (ASEL) Knowledge Test.

### IV. COMPLETION STANDARDS

This ground training syllabus is complete when the student has satisfactorily completed all lessons, and passed the course completion examination with a minimum passing score of 70% and all incorrect exam responses have been corrected to ensure student understanding.

**GROUND TRAINING LOG**

Student Name: \_\_\_\_\_

	Lesson Time (h:min)	Actual Time Completed	Date Completed	Grade	Instructor Signature
101	2:30				
102	2:30				
103	2:30				
104	2:30				
105	2:30				
106	2:30				
107	2:30				
108	2:30				
109	2:30				
110	2:30				
111	2:30				
112	2:30				
113	2:30				
114 <input type="checkbox"/>	2:30				
Total	35:00:00				

√ Denotes Stage Check

◆ Denotes End of Course Check



LESSON 101: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to the pilot training process, aviation opportunities and to human factors.

II. ACADEMIC CONTENT:

CHECK LIST

Course Overview:

Course Elements	_____
Course Material	_____
Exams and Tests	_____
Policies and Procedures	_____

Chapter #1 – Discovering Aviation:

Section A – Pilot Training

Role of the FAA	_____
Medical Certificates	_____
Pilot Certificates	_____
Private Pilot Privileges and Limits	_____

Section B – Aviation Opportunities

New Aviation Experiences	_____
Aviation Organizations	_____
Category / Class Ratings	_____
Additional Pilot Certificates	_____
Aviation Careers	_____

Section C – Introduction to Human Factors

Aeronautical Decision Making	_____
Crew Resource Management Training	_____
Aviation Physiology	_____
Alcohol, Drugs, and Performance	_____
Fitness for Flight	_____

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 102: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to airplane systems.

II. ACADEMIC CONTENT:

CHECK LIST

Chapter #2 – Airplane Systems

Section A - Airplanes

The Fuselage

\_\_\_\_\_

The Wing

\_\_\_\_\_

The Empennage

\_\_\_\_\_

Trim Devices

\_\_\_\_\_

Landing Gear

\_\_\_\_\_

The Powerplant

\_\_\_\_\_

Pilot's Operating Handbook

\_\_\_\_\_

Section B – The Powerplant and Related Systems

Engines

Reciprocating Engine Operations

\_\_\_\_\_

Induction System

\_\_\_\_\_

Supercharging and Turbocharging

\_\_\_\_\_

The Ignition System

\_\_\_\_\_

Abnormal Combustion

\_\_\_\_\_

Fuel System

\_\_\_\_\_

Refueling

\_\_\_\_\_

Oil Systems

\_\_\_\_\_

Cooling System

\_\_\_\_\_

The Exhaust System

\_\_\_\_\_

Propellers

\_\_\_\_\_

Propeller Hazards

\_\_\_\_\_

Electrical Systems

\_\_\_\_\_

Section C – Flight Instruments

Pitot-Static Instruments

\_\_\_\_\_

Airspeed Indicator

\_\_\_\_\_

Altimeter

\_\_\_\_\_

Vertical Speed Indicator

\_\_\_\_\_

Gyroscopic Instruments

\_\_\_\_\_

Magnetic Compass

\_\_\_\_\_

Compass Errors

\_\_\_\_\_

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 103: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to the four forces of flight, stability and aerodynamics of maneuvering flight.

II. ACADEMIC CONTENT:

CHECK LIST

Chapter #3 – Aeronautical Principles

Section A – Four Forces of Flight

Lift	_____
Newton’s Laws of Force and Motion	_____
Bernoulli’s Principle	_____
Airfoils	_____
Pilot Control of Lift	_____
Angle of Attack	_____
Weight	_____
Thrust	_____
Drag	_____
Ground Effect	_____

Section B - Stability

Three Axes of Flight	_____
Longitudinal Stability	_____
Center of Gravity Position	_____
Lateral Stability	_____
Directional Stability	_____
Stalls	_____
Spins	_____

Section C – Aerodynamics of Maneuvering Flight

Climbing Flight	_____
Left-Turning Tendencies	_____
Turning Flight	_____
Load Factor	_____

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor’s questions on lesson content.

LESSON 104: (2:00 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to the flight environment including safety, airports and charts

II. ACADEMIC CONTENT:

CHECK LIST

Chapter #4 – The Flight Environment

Section A – Safety of Flight

Collision Avoidance	_____
Visual Scanning	_____
Airport Operations	_____
Right-of-Way Rules	_____
Minimum Safe Altitudes	_____
Taxiing in Wind	_____
Positive Exchange of Flight Controls	_____

Section B - Airports

Controlled and Uncontrolled Airports	_____
Runway Layout	_____
Traffic Pattern	_____
Wind Direction Indicators	_____
Noise Abatement Procedures	_____
Airport Visual Aids	_____
Runway Markings	_____
Taxiway Markings	_____
Runway Incursion Avoidance	_____
Airport Lighting	_____
Visual Glideslope Indicators	_____
Approach Light Systems	_____
Pilot-Controlled Lighting	_____

Section C – Aeronautical Charts

Latitude and Longitude	_____
Projections	_____
Sectional Charts	_____
World Aeronautical Charts (WAC)	_____
Chart Symbolology	_____

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 105: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to the national airspace system and ATC Services

II. ACADEMIC CONTENT:

CHECK LIST

Chapter #4 – The Flight Environment

Section D – Airspace Classifications

Class G Airspace (uncontrolled)

\_\_\_\_\_

Controlled Airspace

\_\_\_\_\_

Class E Airspace

\_\_\_\_\_

Class D Airspace

\_\_\_\_\_

Class C Airspace

\_\_\_\_\_

Class B Airspace

\_\_\_\_\_

Class A Airspace

\_\_\_\_\_

Special Use Airspace

\_\_\_\_\_

Alert Areas

\_\_\_\_\_

Military Operations Areas (MOA's)

\_\_\_\_\_

Warning Areas

\_\_\_\_\_

Restricted Areas

\_\_\_\_\_

Prohibited Areas

\_\_\_\_\_

Other Airspace Areas

\_\_\_\_\_

Emergency Air Traffic Rules

\_\_\_\_\_

Air Defense and Identification Zone (ADIZ)

\_\_\_\_\_

Chapter #5 – Communication and Flight Information

Section A – Radar and ATC Services

Radar

\_\_\_\_\_

Transponder Operation

\_\_\_\_\_

FAA Radar Systems

\_\_\_\_\_

VFR Radar Services

\_\_\_\_\_

Terminal VFR Radar Services

\_\_\_\_\_

Automatic Terminal Information Service (ATIS)

\_\_\_\_\_

Flight Service Station

\_\_\_\_\_

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 306: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to the Federal Aviation Regulations and NTSB accident reporting requirements.

II. ACADEMIC CONTENT:

CHECK LIST

Federal Aviation Regulations and NTSB 830

14 CFR Part 1

\_\_\_\_\_

14 CFR Part 43

\_\_\_\_\_

14 CFR Part 61

\_\_\_\_\_

14 CFR Part 91

\_\_\_\_\_

NTSB 830

\_\_\_\_\_

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 107: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to radio procedures and sources of flight information.

II. ACADEMIC CONTENT:

CHECK LIST

Chapter #5 (continued):

Section B – Radio Procedures

VHF Communication Equipment \_\_\_\_\_

Using the Radio \_\_\_\_\_

Phonetic Alphabet \_\_\_\_\_

Using numbers on the Radio \_\_\_\_\_

Coordinated Universal Time (UTC) (Z) \_\_\_\_\_

Common Traffic Advisory Frequency (CTAF) \_\_\_\_\_

Unicom \_\_\_\_\_

ATC Facility at Controlled Airports \_\_\_\_\_

Radar Facilities at Controlled Airports \_\_\_\_\_

Lost Communication Procedures \_\_\_\_\_

Emergency Procedures \_\_\_\_\_

Section C – Sources of Flight Information

Airport / Facility Directory (AFD) \_\_\_\_\_

Federal Aviation Regulations \_\_\_\_\_

Aeronautical Information Manual (AIM) \_\_\_\_\_

Notices to Airmen (NOTAMS) \_\_\_\_\_

Advisory Circulars (ACs) \_\_\_\_\_

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 108: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to basic weather theory.

II. ACADEMIC CONTENT:

CHECK LIST

Chapter # 6 – Meteorology for Pilots

Section A – Basic Weather Theory

The Atmosphere

\_\_\_\_\_

Atmospheric Circulation

\_\_\_\_\_

Atmospheric Pressure

\_\_\_\_\_

Coriolis Force

\_\_\_\_\_

Local Wind Patterns

\_\_\_\_\_

Section B – Weather Patterns

Atmospheric Stability

\_\_\_\_\_

Temperature Inversions

\_\_\_\_\_

Moisture

\_\_\_\_\_

Humidity

\_\_\_\_\_

Dew point

\_\_\_\_\_

Clouds

\_\_\_\_\_

Precipitation

\_\_\_\_\_

Airmass

\_\_\_\_\_

Fronts

\_\_\_\_\_

Section C – Weather Hazards

Thunderstorms

\_\_\_\_\_

Thunderstorm Hazards

\_\_\_\_\_

Turbulence

\_\_\_\_\_

Wake Turbulence

\_\_\_\_\_

Wind Shear

\_\_\_\_\_

Icing

\_\_\_\_\_

Restrictions to Visibility

\_\_\_\_\_

Volcanic Ash

\_\_\_\_\_

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.



LESSON 309: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to weather hazards, the weather forecasting process, printed reports and forecasts, graphic weather products and sources of weather information.

II. ACADEMIC CONTENT:

CHECK LIST

Chapter # 7 – Interpreting Weather Data	
Section A – The Forecasting Process	
Forecasting Methods, Accuracy and Limitations	_____
Section B – Printed Reports and Forecasts	
Printed Weather Reports	_____
Aviation Routine Weather Reports (METAR)	_____
Radar Weather Reports	_____
Pilot Weather Reports (PIREPs)	_____
Printed Weather Forecasts	_____
Terminal Aerodrome Forecast	_____
Aviation Area Forecast	_____
Wind and Temperatures Aloft Forecast	_____
Severe Weather Reports and Forecasts	_____
AIRMET	_____
SIGMET / Convective SIGMET	_____
Overview of LDA, SDF, and MLS	_____
Section C – Graphic Weather Products	
Graphic Reports	_____
Surface Analysis Chart	_____
Weather Depiction Chart	_____
Radar Summary Chart	_____
Satellite Weather Chart	_____
Graphic Forecasts	_____
U.S. Low-Level Sig. Weather Prog.	_____
Severe Weather Outlook Chart	_____
Forecast Winds and Temp. Aloft Chart	_____
Volcanic Ash Forecast and Dispersion	_____
Section D – Source of Weather Information	
Pre-flight Weather Source	_____
In-Flight Weather Source	_____
Enroute Flight Advisory Service (EFAS)	_____
Weather Radar Services	_____
Automated Weather Reporting Systems	_____

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 110: (2:30 Hours, Ground Instruction)

IV. OBJECTIVE:

- During this lesson, the student is introduced to airplane performance, weight and balance and flight computers.

V. ACADEMIC CONTENT:

CHECK LIST

Chapter #8 – Airplane Performance

Section A- Predicting Performance

Aircraft Performance and Design	_____
Chart Presentations	_____
Factors Affecting Aircraft Performance	_____
Takeoff and Landing Performance	_____
Climb Performance	_____
Cruise Performance	_____

Section B – Weight and Balance

Importance of Weight	_____
Importance of Balance	_____
Weight and Balance Terms	_____
Principles of Weight and Balance	_____
Determining Total Weight and Center of Gravity	_____
Computation Method	_____
Table Method	_____
Graph Method	_____
Weight-Shift Formula	_____
Effects of Operating at High Total Weights	_____
Flight at Various CG Positions	_____

Section C – Flight Computers

Mechanical Flight Computers	_____
Electronic Flight Computers	_____

VI. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 111: (2:30 Hours, Ground Instruction)

VII. OBJECTIVE:

- During this lesson, the student is introduced to various forms of navigation.

VIII. ACADEMIC CONTENT:

CHECK LIST

Chapter #9 - Navigation

Section A – Pilotage and Dead Reckoning

- Pilotage \_\_\_\_\_
- Dead Reckoning \_\_\_\_\_
- Flight Planning \_\_\_\_\_
- VFR Cruising Altitudes \_\_\_\_\_
- Flight Plan \_\_\_\_\_
- Lost Procedures \_\_\_\_\_

Section B – VOR Navigation

- Ground Equipment \_\_\_\_\_
- Airborne Equipment \_\_\_\_\_
- Navigation Procedures \_\_\_\_\_
- Horizontal Situation Indicator \_\_\_\_\_
- Distance Measuring Equipment \_\_\_\_\_

Section C – ADF Navigation

- Navigation Procedures \_\_\_\_\_
- Homing \_\_\_\_\_
- Radio Magnetic Indicator \_\_\_\_\_
- ADF Limitations \_\_\_\_\_

Section D – Advanced Navigation

- Types of Equipment (RNAV) \_\_\_\_\_
- VORTAC – Based Area Navigation \_\_\_\_\_
- Long Range Navigation \_\_\_\_\_
- LORAN / INS / GPS \_\_\_\_\_

IX. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor’s questions on lesson content.

LESSON 112: (2:30 Hours, Ground Instruction)

X. OBJECTIVE:

- During this lesson, the student is introduced to aviation physiology and aeronautical decision making.

XI. ACADEMIC CONTENT:

CHECK LIST

Chapter # 10 – Applying Human Factors Principles

Section A – Aviation Physiology

Vision in Flight

Night Vision

Visual Illusions

Disorientation

Respiration

Hypoxia

Supplemental Oxygen

Hyperventilation

Section B – Aeronautical Decision-Making

Applying the Decision-Making Process

Pilot-In-Command Responsibility

Hazardous Attitudes

Communication

Resource Use

Workload Management

Situational Awareness

XII. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 113: (2:30 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student is introduced to aviation physiology and aeronautical decision making.

II. ACADEMIC CONTENT:

CHECK LIST

Chapter # 11 – Flying Cross-Country

Section A – The Flight Planning Process

Developing the Route

Preflight Weather Briefing

Completing the Navigation Log

Flight Plan

Preflight Inspection

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Section B – The Flight

III. COMPLETION STANDARDS:

- Students should demonstrate satisfactory knowledge of lesson content and achievement of lesson objectives by active participation in class discussion and by correctly answering instructor's questions on lesson content.

LESSON 114: (2:30 Hours, Course Completion, Ground Instruction)

I. OBJECTIVE:

- During this Final Lesson, the instructor will review pertinent material and conduct the course completion examination. The final part of this lesson will include a discussion of all incorrect responses on the examination.

II. ACADEMIC CONTENT:

CHECK LIST

Review, Exam, Critique

III. COMPLETION STANDARDS:

- This lesson and the Private Pilot (ASEL) Ground Training Syllabus shall be complete when the student has passed the Course Completion Examination with a minimum passing score of 70% and incorrect test responses have been corrected to ensure student understanding.



**Private Pilot  
Certification Course  
(ASEL)  
Flight Training Syllabus  
FAR Part 61**

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**TECH AVIATION FLIGHT SCHOOL, INC.**

**Private Pilot Certification Course- ASEL**

**Flight Training Syllabus**

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**TECH AVIATION FLIGHT SCHOOL, INC.**

**PRIVATE PILOT CERTIFICATE COURSE  
AIRPLANE SINGLE-ENGINE LAND (ASEL)  
FLIGHT TRAINING SYLLABUS**

***PRINT STUDENT NAME:***

---

**LAST NAME, FIRST NAME**

**\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
DATE (mm/dd/yyyy)**

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**INTRODUCTION**

The Private Pilot Certification Course, Airplane Single Engine Land (ASEL), Flight Training syllabus is designed to meet exceeds the requirements of 14 CFR 61, Subpart E.

Its design will allow an enrolled student (see enrollment requirements, page 3) to acquire the proficiency and experience needed to meet the certification requirements for attaining a U.S. FAA Private Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Private Pilot (ASEL) Practical Test Standards (PTS). All enrolled students of this course must meet these standards before graduating from this course.

This flight-training syllabus contains three (3) stages and includes thirty-seven (37) separate lessons. Each lesson includes an objective and a completion standard. Each completion standard must be met in its entirety before that lesson may be considered complete. The individual lesson and stage times indicated are not mandatory and are included for flight instructor and student guidance only. However, before graduation from the course, a student must meet the following minimum training hours:

Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	Total Flight
		Dual	Solo				Night	Day		
30.0	10.0	5.0	5.0	3.0	2.5	3.0	10	90	16.5	40.0

Additional training requirements that must also be accomplished before graduation are included, as appropriate, in the Flight Training syllabus and the Private Pilot Ground Training Syllabus.

Within each stage, lesson sequences may be adjusted as necessary to accommodate training continuity problems. This is permitted as long as training objectives are not compromised.

The flight instructor will assign a grade “S”(Satisfactory), “U”(Unsatisfactory), or “I”(Incomplete) to each element within a lesson and an “S”, “U”, or “I” for the overall lesson grade. Dual lessons should be preceded and followed by pre-flight (pre) and post-flight (post) briefings. Although 14 CFR Part 61 does not specify a minimum number of hours for pre and post briefings, the amount of briefing time accomplished must be sufficient to ensure that the student understands the lesson objectives and completion standards for each lesson.

Every lesson contains an outline and detailed sequence of elements that the student must successfully complete. Normally, a lesson is expected to be satisfactory completed within the recommended time. However, if a student is unable to master the lesson in that time, it will be necessary to repeat those elements graded “I” or “U” until those lesson elements meet the lesson completion standards and are graded “S”.

At the end of each stage of training a stage check has been included to check the student’s progress. Each stage check must be accomplished satisfactorily before the student may continue training in the next stage. The final lesson of the flight-training syllabus is the stage check/end-of-course test. This lesson is designed to ensure that the student has acquired the aeronautical knowledge and flight skills required by the current FAA Private Pilot (ASEL) Practical Test Standards (PTS).

**TRAINING SYLLABUS**

- V. **ENROLLMENT PREREQUISITES:** There are no specific requirements to enroll in the ground portion of the Private Pilot Certification Course (ASEL). However, a student must possess a valid student pilot certificate and at least a current third class medical certificate prior to beginning the solo flight portion of the course. Both certificates must continue to be valid and current for the completion of the entire flight course. The applicant must be at least 16 years old to solo.
- VI. **GROUND TRAINING REQUIREMENTS:** The student must complete the Private Pilot ground training course. Ground training may be accomplished separately or concurrently.
- VII. **FLIGHT TRAINING REQUIREMENTS:** The applicant must successfully complete all flight training lessons, stage checks, and end of course tests.
- VIII. **REQUIREMENTS FOR GRADUATION:** To obtain a graduation certificate for the Private Pilot Certification Course (ASEL), the applicant must:
- a. All graduates must be at least 17 years old.
  - b. Be able to read, speak, write, and understand the English language;
  - c. Complete all ground training requirements;
  - d. Complete all flight training requirements; and
  - e. Hold a valid FAA medical certificate.

**GRADING CRITERIA**

FOR THE STUDENT AND INSTRUCTOR:

- III. The overall performance grade for each lesson completed is based on the knowledge, preparation, skill, attitude, and judgment of the student.
- IV. The standards to be used in the end of course tests will be at least those listed in the appropriate FAA Instrument Pilot (ASEL) Practical Test Standards.

The student should be evaluated on performance, both in academic ability as well as flying ability. A lesson is not complete until the instructor is satisfied that the student's performance meets the completion standards in all areas, and awards the student a grade of Satisfactory (S) on each element within the lesson, and a grade of 70% or higher or Satisfactory (S) on the entire lesson.

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## Private Pilot Certification Course- ASEL

## Flight Training Syllabus

#	Date	Aircraft	Total Time	Grade	Dual	Solo	X Country		IFR	ATD	Night	Landings		Grd	Req. Total	
							Dual	Solo				Night	Day			
<b>STAGE I</b>																
101														1.0		
102					1.0								1		1.0	
103					1.0								1		1.0	
104					1.0								1		1.0	
105														1.5		
106					1.5				1.5						1.5	
107					1.0				1.0						1.0	
108					1.5			0.5					4		1.5	
109														1.5		
110					1.5			0.4					5		1.5	
111					1.0								8		1.0	
112					1.0								8		1.0	
113					1.0								6		1.0	
114					1.0								6		1.0	
115														1.0		
116					1.0			0.1					3		1.0	
117V					1.0			0.1					2	1.0	1.0	
STAGE I TOTAL:						14.5			1.1	2.5			45	6.0	14.5	
<b>STAGE II</b>																
118					0.5	0.5							6		1.0	
119					0.5	1.0							6		1.5	
120														1.5		
121						2.5							3		2.5	
122														1.5		
123					1.5		1.5						2	0.5	1.5	
124					2.0		2.0		0.2				3		2.0	
125					1.5			0.1		1.5	5			0.5	1.5	
126														1.0		
127					1.5		1.5		0.2		1.5	5			1.5	
128V					1.5				0.3				2	1.0	1.5	
STAGE II TOTAL:						9.0	4.0	5.0		0.8		3.0	10	22	6.0	13.0
OVERALL TOTAL:						23.5	4.0	5.0		1.9	2.5	3.0	10	67	12.0	27.5
#	Date	Aircraft	Total Time	Grade	Dual	Solo	X Country		IFR	ATD	Night	Landings		Grd	Req. Total	
							Dual	Solo				Night	Day			
<b>STAGE III</b>																
129						5.0		5.0					3		5.0	
130														2.0		
131					1.0				0.2				3		1.0	
132					1.0				0.2				3		1.0	
133														1.0		
134						1.0							4		1.0	
135					1.5				0.3				4		1.5	
136					1.5				0.2				3		1.5	
137V♦					1.5				0.2				3	1.5	1.5	
STAGE III TOTAL:						6.5	6.0		5.0	1.1			23	4.5	12.5	
OVERALL TOTAL:						30.0	10.0	5.0	5.0	3.0	2.5	3.0	10	90	16.5	40.0

√ Stage Check & ♦ Course Completion Check



**STAGE I**

**STAGE OBJECTIVE**

During this stage, the student obtains the foundation for all future aviation training. The student becomes familiar with the training airplane and learns how the airplane controls are used to establish and maintain specific flight attitudes. Ground reference maneuvers are introduced in order to learn methods of controlling wind drift. Emergency procedures, including emergency approach and landing without power, are introduced and reviewed. Basic attitude instrument flight is also introduced. Takeoffs, landings, and operations to and from the practice areas will be reviewed. The stage culminates with a Stage Check in order to assess the student's readiness for solo flight.

**STAGE COMPLETION STANDARDS**

At the completion of this stage the student shall demonstrate proficiency in basic flight maneuvers and the aeronautical knowledge and ability to fly solo.

# TECH AVIATION FLIGHT SCHOOL, INC.

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #101			Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		
			Dual	Solo				Night	Day	Ground
Required										1.0
Lesson Total										
Amount Forward										
Total to Date										
Required Total										1.0

### LESSON OBJECTIVE:

This briefing will introduce the student to the flight training syllabus, school procedures, and basic aircraft familiarization.

Subject	Grade	Subject	Grade
<i>Introduce</i>		Airplane & Airport Information	
Introduction to syllabus		-Airplane Logbooks	
Safety Practices and Procedures		-Aircraft Certificates & Documents	
-Weather Minimus		-Airplane Systems	
-Starting and Taxi Procedures		-Performance Charts	
-Fire Precautions		-Weight & Balance Data	
-Redispatch Procedure		-TOLD Cards	
-Aircraft Discrepancies		-Fuel Grades	
-Securing of Aircraft		-Airport Markings & Lighting	
-Fuel Reserves Required		-Local Radio Communications	
-Collision Avoidance			
-Minimum Altitude Limitations			
-Location of Practice Areas			
-Aircraft Servicing			
Administrative Procedures			

### COMPLETION STANDARDS:

The student should demonstrate a rudimentary understanding of the information presented by answering the instructor's questions.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name



# TECH AVIATION FLIGHT SCHOOL, INC.

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #102				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0								1		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	1.0								1	1.0	1.0

### LESSON OBJECTIVE:

Become familiar with the training aircraft and be introduced to the four fundamentals of flight- straight and level, climbs, turns, and descents.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>			
Preflight Inspection		Normal Traffic Pattern, Approach and Landing	
Use of Checklist & Visual Inspection		Post Flight Procedures	
Positive Exchange of Flight Controls			
Collision Avoidance/Visual Scan		<b>Post Flight Discussion</b>	
		Review Flight	
		Next Assignment	
<b>Introduce and Practice</b>			
Engine Start			
Radio Communications			
Taxi and Pre-takeoff Check			
Normal Takeoff			
4 Fundamentals:			
-Straight & Level			
-Shallow and Medium Bank Turns			
-Climbs			
-Descents			
Area Familiarization			

### COMPLETION STANDARDS:

The student should be familiar with the relevant aircraft checklists and should accomplish all flight maneuvers with instructor assistance.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Student Signature

Instructor Signature

Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #103				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0								1		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	2.0								2	1.0	2.0

### LESSON OBJECTIVE:

Review the maneuvers introduced in lesson 102 and gain skill in turns and airspeed control. Introduce imminent stalls and flight at minimum controllable airspeed.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		<b>Introduce and Practice</b>	
<i>Review</i>			
Visual Scanning		Airspeed Transitions	
Positive Exchange of Flight Controls		Flight at Approach Speed	
Visual Inspection		Traffic Pattern Operations	
Certificates and Documents		Minimum Controllable Airspeed	
Airplane Servicing		Power-off Stalls (Imminent)	
Airplane Systems			
Engine Starting		<b>Post Flight Discussion</b>	
Radio Communications		Review Flight	
Taxi (normal & crosswind)		Next Assignment	
Pre-takeoff Check			
Normal Takeoff & Climb			
Collision Avoidance			
4 Fundamentals Including Climbing Turns			
Normal Approach and Landing			
Postflight Procedures			

### COMPLETION STANDARDS:

The student should be able to take-off with minimal instructor assistance. The student shall demonstrate increased understanding of coordination and use of controls. Altitude controls in straight and level flight should be  $\pm 300'$ , heading control  $\pm 30$  degrees.

### REMARKS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

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## Private Pilot Certification Course- ASEL

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #104				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0								1		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	3.0								3	1.0	3.0

### LESSON OBJECTIVE:

Review airspeed control maneuvers. Continue introducing and practicing imminent and full stalls. Introduce slow flight maneuvering and ground reference maneuvers.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Introduce</i>	
		Cockpit Management	
		Spin Awareness	
<i>Review</i>		Power-On Stall (Imminent)	
Visual Inspection		Maneuvering at Slow Flight	
Engine Starting		Power-Off Stall (Imminent) with Bank	
Radio Communications		Tracking Along a Road	
Pre-takeoff Check		Rectangular Course	
Normal Takeoff & Climb		Descents	
Collision Avoidance		-With and Without Turns	
Airspeed Transitions		-Using High and Low Drag Configurations	
Flight at Approach Speed			
Normal Approach and Landing			
Minimum Controllable Airspeed			
		<i>Post Flight Discussion</i>	
		Review Flight	
		Next Assignment	

### COMPLETION STANDARDS:

The student shall perform unassisted normal takeoffs. The student should demonstrate proper radio communication and traffic pattern operation with minimal assistance. The student shall perform preflight inspections without assistance. Altitude control during straight and level flight should be  $\pm 250'$ . Heading  $\pm 30$  degrees. Airspeed  $\pm 20$  KIAS.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #105			Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		
			Dual	Solo			Night	Night	Day	Ground
Required										1.5
Lesson Total										
Amount Forward										
Total to Date										
Required Total	3.0							3		2.5
										3.0

**LESSON OBJECTIVE:**

The instructor will review aircraft systems including their possible malfunctions. TOLD cards and performance charts will also be reviewed.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>			
Aircraft Systems			
Certificates and Documents			
Aircraft V Speeds			
Aircraft Servicing			
Performance Charts			
Weight & Balance			
Radio Communications			
TOLD Cards			
Cockpit Management			
School Safety Procedures and Practices			

**COMPLETION STANDARDS:**

The student should demonstrate an intermediate level of understanding of the material presented.

**REMARKS:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Student Signature

Instructor Signature

/ Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #106				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.5					1.5					1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	4.5					1.5			3	2.5	4.5

### LESSON OBJECTIVE:

Practice the maneuvers listed for review to gain additional proficiency. Introduce flight solely by reference to instruments. Practice and introduce more ground reference maneuvers. Introduce steep turns.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		S-Turns Across a Road	
<b>Review</b>		Basic Attitude Instrument Flight (IR)	
		-Straight and Level	
Spin Awareness		-Constant Airspeed Climbs	
Maneuvering at Slow Flight		-Constant Airspeed Descents	
Power-Off & Power-On Stalls (imminent)		-Turns to Heading	
Power-Off Stalls with Bank (imminent)		Traffic Pattern Entry & Departure Procedure	
Normal Takeoffs and Normal Landings			
Collision Avoidance		<b>Post Flight Discussion</b>	
Rectangular Course		Review Flight	
		Next Assignment	
<b>Introduce</b>			
Wake Turbulance Avoidance			
Steep Turns			
Power-On Stalls (full) / Straight & Level			
Turns Around a Point			

### COMPLETION STANDARDS:

The student shall demonstrate improved performance with regard to stall recognition and recovery. The student should be able to recognize and recover from slow flight or stall condition. The student should demonstrate a basic understanding of the effects of wind on ground track. Altitude control  $\pm 200'$ , Heading  $\pm 25$  degrees, Airspeed  $\pm 20$  KIAS.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #107				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0					1.0					1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	5.5					2.5			3	2.5	5.5

### LESSON OBJECTIVE:

Review the listed maneuvers to increase proficiency. Increase proficiency in flight, solely by reference to instruments. Introduce instrument navigation for flights to and from practice areas.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Introduce</i>	
		Power-On Stall (full) / Straight & Bank	
		Unusual Flight Attitudes (IR)	
		Crosswind Takeoffs	
<i>Review</i>			
Normal Takeoffs			
Stalls (imminent)			
Power-On Stall with Bank			
Turns Around a Point			
S-Turns			
Basic Attitude Instrument Flight (IR)			
Traffic Patterns			
Normal Landings			
Time Turns to Magnetic Compass Headings			
Steep Turns (full panel only)			
Recovery from Unusual Attitudes			
		<i>Post Flight Discussion</i>	
		Review Flight	
		Next Assignment	

### COMPLETION STANDARDS:

The student shall demonstrate the ability to maintain a specific ground track. With minimal instructor guidance, the student should recover promptly and positively from full stalls. The student should demonstrate increased proficiency in controlling the aircraft solely by instruments.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Student Signature \_\_\_\_\_

Instructor Signature \_\_\_\_\_

/ \_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #108				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.5					0.5			4		1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	7.0					0.5	2.5		7	2.5	7.0

### LESSON OBJECTIVE:

The student will gain proficiency in flying traffic patterns and landings. Cross-wind landings, go-around, and landing slips are introduced. Simulated engine failures in practice area are introduced.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>			
<b>Review</b>		<b>Post Flight Discussion</b>	
Normal Takeoffs and Landings	<input type="checkbox"/>	Review Flight	<input type="checkbox"/>
Ground Reference Maneuvers	<input type="checkbox"/>	Next Assignment	<input type="checkbox"/>
Power-On Stall (full)	<input type="checkbox"/>		
Traffic Pattern Operations	<input type="checkbox"/>		
Wake Turbulence Avoidance	<input type="checkbox"/>		
Crosswind Taxi and Takeoff	<input type="checkbox"/>		
<b>Introduce</b>			
Runway Incursion Avoidance	<input type="checkbox"/>		
Emergency Approach and Landing (sim)	<input type="checkbox"/>		
Go-Arounds from a Rejected Landing	<input type="checkbox"/>		
Forward Slips to Landing	<input type="checkbox"/>		
Crosswind Approach and Landing	<input type="checkbox"/>		

### COMPLETION STANDARDS:

The student shall be able to fly specific ground tracks while maintaining altitude within  $\pm 200'$ . The student should demonstrate a basic understanding of how the side slip is used for crosswind landings, a go-around is initiated, and the procedure for an emergency landing after engine failure.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

**TECH AVIATION FLIGHT SCHOOL, INC.**

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #109			Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		
			Dual	Solo			Night	Night	Day	Ground
Required										1.5
Lesson Total										
Amount Forward										
Total to Date										
Required Total	7.0					0.5	2.5		7	4.0

**LESSON OBJECTIVE:**

The instruction will review the regulations applicable to a student pilot preparing for solo flight including both 14 CFR Part 61 and 91.

LESSON CONTENT														
Subject	Grade	Subject	Grade											
<i>Review</i>														
Regulations Applicable to Student Pilots	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> <tr><td style="width: 30px; height: 15px;"></td></tr> </table>													
-Part 61														
-Part 91														
Student Pilot Limitations														
Endorsements Required for Solo Flight														
System and Equipment Malfunctions														
Airspace														
Radio Communication Failure														
ATC Light Gun Signals														
Inoperative Equipment (min.equip.list)														

**COMPLETION STANDARDS:**

The student should demonstrate, through oral quizzing, the knowledge necessary for solo flight operations including regulations and limitations.

**REMARKS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name



# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #110				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.5				0.4				5		1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	8.5				0.9	2.5			12	4.0	8.5

### LESSON OBJECTIVE:

The student will practice instrument flight maneuvers, takeoffs and landings. The student will be introduced to additional emergency procedures.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Introduce</i>	
		Wind Shear Avoidance	
		Emergency Power Loss Procedures	
		-During Takeoff	
<i>Review</i>		-Initial Climb	
Normal & Crosswind Takeoffs / Landings		-Cruise	
Go-Arounds		-Descent	
Forward Slips to Landing		-Traffic Pattern	
Selected Ground Reference Maneuvers		Emergency Descent	
Emergency App. to Landing (practice area)			
Radio Communication Failure			
System and Equipment Malfunctions			
Basic Attitude Instrument Flight (IR)			
All Normal and Selected Abnormal ATC Com.		<i>Postflight</i>	
		Review Flight	
		Next Assignment	

### COMPLETION STANDARDS:

The student should demonstrate increased skill in instrument scan and interpretation during instrument flight. Landings and go-around should be performed with minimal instructor guidance. Tower communications should be accomplished with minimal instructor guidance. Altitude  $\pm 150'$ , Heading  $\pm 15$  degrees, Airspeed  $\pm 15$  KIAS.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

## Flight Training Syllabus

DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #111				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0								8		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	9.5					0.9	2.5		20	4.0	9.5

### LESSON OBJECTIVE:

The objective of this lesson and the next is to continue the development of proficiency in normal takeoffs, traffic patterns, and landings.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>			
<b>Review</b>			
Normal and Crosswind Takeoffs			
Emergency Approach and Landing			
Go-Arounds			
Forward Slips to a Landing			
Radio Communications			
Windshear Avoidance			
Normal and Crosswind Landings			
<b>Post Flight Discussion</b>			
Review Flight			
Next Assignment			

### COMPLETION STANDARDS:

The student should demonstrate proficiency in normal landings with no minimal instructor assistance. Improved judgment making go-around and emergency decisions should be evidenced.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

**TECH AVIATION FLIGHT SCHOOL, INC.**

**Private Pilot Certification Course- ASEL**

**Flight Training Syllabus**

DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #112				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0								8		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	10.5					0.9	2.5		28	4.0	10.5

**LESSON OBJECTIVE:**

During this lesson, the student will review and practice basic attitude instrument flight and navigation to increase proficiency in preparation for the first stage check.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>			
<b>Review</b>			
Normal and Crosswind Takeoffs			
Emergency Approach and Landing			
Go-Arounds			
Forward Slips to a Landing			
Radio Communications			
Windshear Avoidance			
Normal and Crosswind Landings			
<b>Post Flight Discussion</b>			
Review Flight			
Next Assignment			

**COMPLETION STANDARDS:**

The student should demonstrate proficiency in normal and crosswind landings with no or minimal instructor assistance. The student should demonstrate sound judgment regarding go-around and emergency operations. Traffic pattern altitude shall be maintained  $\pm 150'$ , Headings  $\pm 15$  degrees, and airspeed  $\pm 10$  knots.

**REMARKS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #113				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0								6		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	11.5					0.9	2.5		34	4.0	11.5

### LESSON OBJECTIVE:

Continue increasing the student's proficiency in normal and crosswind takeoffs and landings.  
 Introduced the student to no flap landings, short-field takeoffs and landings.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
		Review Flight	
		Next Assignment	
<i>Review</i>			
Normal and Crosswind Takeoffs			
Emergency Approach and Landing			
Go-Arounds			
Forward Slips to a Landing			
Normal and Crosswind Landings			
<i>Introduce</i>			
Appropriate Performance Charts			
No Flap Landings			

### COMPLETION STANDARDS:

The student should demonstrate proficiency in normal and crosswind landings with no or minimal instructor assistance.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #114				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0								6		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	12.5					0.9	2.5		40	4.0	12.5

### LESSON OBJECTIVE:

Continue increasing the student's proficiency in normal and crosswind takeoffs and landings.  
 Introduced the student to no flap landings, short-field takeoffs and landings.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
		Review Flight	
		Next Assignment	
<i>Review</i>			
Normal and Crosswind Takeoffs			
Emergency Approach and Landing			
Go-Arounds			
Forward Slips to a Landing			
Normal and Crosswind Landings			
<i>Introduce</i>			
No Flap Landings			

### COMPLETION STANDARDS:

The student should demonstrate proficiency in normal and crosswind landings with no or minimal instructor assistance.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #115			Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		
			Dual	Solo				Night	Day	
Required										1.0
Lesson Total										
Amount Forward										
Total to Date										
Required Total	12.5					0.9	2.5		40	5.0

### LESSON OBJECTIVE:

The instructor will review the regulations applicable to a student pilot preparing for solo flight including both 14 CFR Part 61 and 91. Aircraft systems including their possible malfunctions, TOLD cards and performance charts will be discussed.

LESSON CONTENT			
Subject	Grade	Subject	Grade
		<i>Review</i>	
Regulations Applicable to Student Pilots		Radio Communications	
-Part 61		TOLD Cards	
-Part 91		Cockpit Management	
Student pilot limitations		School Safety Procedures and Practices	
Endorsements Required for Solo Flights		PRE-SOLO KNOWLEDGE TEST	
System and Equipment Malfunctions			
Airspace			
Radio Communication Failure			
ATC Light Gun Signals			
Inoperative Equipment (min. equip. list)			
Aircraft Systems			
Certificates and Documents			
Aircraft V Speeds			
Aircraft Servicing			
Performance Charts			
Weight & Balance			

### COMPLETION STANDARDS:

The student shall demonstrate through the pre-solo knowledge test and oral briefing the aeronautical knowledge necessary for solo flight operations, including regulation limitations, aircraft procedures, and systems. *The instructor should place endorsements in student log book.*

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #116				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0					0.1			3		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	13.5					1.0	2.5		43	5.0	13.5

### LESSON OBJECTIVE:

Review all basic maneuvers with concentration on preparing student for stage check and solo flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
		Review Flight	
		Next Assignment	
<i>Review</i>			
Ground Reference Maneuvers			
Emergency Operations			
Steep Turns			
Stalls			
Maneuvering during slow flight			
Basic Attitude Instrument Flight (IR)			
Emergency Descent			
Normal and Crosswind Takeoffs			
Normal and Crosswind Landings			
Forward Slip to a Landing			

### COMPLETION STANDARDS:

This lesson is complete when the instructor has determined that the student is ready for solo flight in normal and routine crosswind situations. The instructor's signature below indicates that the student is considered ready for solo flight. It also indicates that the student and their records are prepared for the Stage I Check.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

/ \_\_\_\_\_  
 Print Name

# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

## Flight Training Syllabus

DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG	STAGE I CHECK						FLIGHT LESSON #117				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0				0.1				2	1.0	1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	14.5				1.1	2.5			45	6.0	14.5

### LESSON OBJECTIVE:

This stage check, conducted by the Chief Flight Instructor or Assistant Chief Flight Instructor, will evaluate the student's readiness for solo flight. Both the student's aeronautical knowledge and flight proficiency will be assessed. Any deficiencies identified must be corrected prior to solo flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion (Oral)</b>		Maneuvering During Slow Flight	
Pertinent Sections of 14 CFR Parts 61 and 91		Selected Stall (full)	
Safety Procedures and Practices		Selected Ground Reference Maneuver	
Certificates and Documents		Basic Attitude Instrument Flight (IR)	
Operation of Systems		Traffic Patterns	
Wake Turbulence Avoidance		Normal and Crosswind Landings & Go-Around	
Inoperative Equipment		Postflight Procedures	
Performance and Limitations			
<b>Review (Flight)</b>		<b>Post Flight Discussion</b>	
Preflight Inspection		Review Flight	
Cockpit Management		Next Assignment	
Engine Starting			
Radio Communication			
Taxiing & Before Takeoff Check			
Normal and Crosswind Takeoff			
Emergency Procedures			

### COMPLETION STANDARDS:

Stage I is complete upon demonstration that the student has sufficient aeronautical knowledge & skill to safely conduct solo flight. Altitude  $\pm 150'$ , Airspeed  $\pm 10$  KIAS, Heading  $\pm 15$  Degrees

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name



**STAGE II**

**STAGE OBJECTIVE**

This stage allows the student to expand the skills learned previously. The stage begins with the student's first solo flight. The student will continue to develop proficiency in short-field and soft-field takeoff and landing procedures. Additionally, greater emphasis is placed on attitude control by instrument references to increase the student's skill and safety. In the cross-country phase, the student will learn how to plan and conduct cross-country flights using pilotage, dead reckoning, and radio navigation, and to conduct safe flights in the national airspace system. Night flight operations, including takeoffs, landings, and cross-country flight, are introduced and practiced. This stage concludes with a Stage Check in order to assess the student's readiness for safe solo cross-country flight.

**STAGE COMPLETION STANDARDS**

This stage is complete when the student can accurately plan and conduct cross-country flights. In addition, the student will have the proficiency to safely demonstrate consistent results in short-field and soft-field takeoffs and landings. Night flight operations shall be conducted at the proficiency level of a Private Pilot.

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #118				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	0.5	0.5							6		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	15.0	0.5				1.1	2.5		51	6.0	15.5

### LESSON OBJECTIVE:

This lesson begins with additional dual instruction to ascertain that under the current conditions the student is ready for the first solo, and concludes with that solo flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		<b>Post Flight Discussion</b>	
<b>Review (Dual)</b>		Review Flight	
Normal and Crosswind Takeoffs	[ ]	Next Assignment	[ ]
Go-Arounds	[ ]		
Traffic Pattern Procedures	[ ]		
Forward Slip to Landing	[ ]		
Normal and Crosswind Landings	[ ]		
Postflight Procedures	[ ]		
<b>Supervised Solo</b>			
Normal or Crosswind Takeoffs	[ ]		
Traffic Pattern	[ ]		
Normal or Crosswind Landings	[ ]		

### COMPLETION STANDARDS:

This lesson is complete after the student safely and successfully completes the first solo flight. The student shall exhibit good judgment at all times while in solo flight.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

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## Private Pilot Certification Course- ASEL

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #119				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	0.5	1.0							6		1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	15.5	1.5			1.1	2.5			57	6.0	17.0

### LESSON OBJECTIVE:

This second supervised solo flight will increase the student's confidence and ability in traffic pattern operation. The lesson begins with additional dual instruction including pattern entry and departure procedures.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Supervised Solo</i>	
<i>Review (Dual)</i>			
Normal and Crosswind Takeoffs		Normal or Crosswind Takeoffs	
Go-Arounds		Traffic Pattern	
Practice Area: Maneuvers as assigned and Listed by Instructor:		Normal or Crosswind Landings	
		Judgment	
Traffic Pattern Procedures		<i>Post Flight Discussion</i>	
Forward Slips to a Landing		Review Flight	
Normal and Crosswind Landings		Next Assignment	
Postflight Procedures			

### COMPLETION STANDARDS:

This lesson is complete after the student safely and successfully completes the second solo flight. The student shall exhibit good judgment at all times while in solo flight. Improved performance should be noted between the first and second solo flights.

### REMARKS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #120			Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		
			Dual	Solo				Night	Day	
Required										1.5
Lesson Total										
Amount Forward										
Total to Date										
Required Total	15.5	1.5			1.1	2.5			57	7.5

### LESSON OBJECTIVE:

During this briefing, the student will be introduced to VFR cross-country planning, including weather, airspace, and regulations applicable to cross-country flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Introduce</i>		-Turbulence	
Cross-Country Operations		-Thunderstorms	
-Weather Information		-Icing Conditions	
-Notams, AIM, AFD		-Lost Procedures	
-Flight Planning & Nav Logs		-Low Fuel	
-Filing, Opening & Closing a Flight Plan		-Radio Failure	
-Use of Comm & Nav Radios		-Instrument Failure	
-Enroute Communication		-Other Malfunctions	
-National Airspace System			
-VFR Weather Minimums			
-Required Endorsements			
-Diversion Procedures			
Cross-Country Emergencies			
- Adverse Weather			
-Visibility			
-Ceilings			
-Wind			

### COMPLETION STANDARDS:

This lesson is complete when the student has been introduced to cross-country planning and procedures and can plan a cross-country flight with instructor assistance.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

/ \_\_\_\_\_  
Print Name

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## Private Pilot Certification Course- ASEL

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #121				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required		2.5							3		2.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	15.5	4.0			1.1	2.5			60	7.5	19.5

### LESSON OBJECTIVE: (it is recommended to divide this lesson into 2 flights)

This is the student's first solo flight outside the local traffic pattern. The student will gain proficiency and confidence through review of the specified maneuvers.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		Rectangular Course	
Review Assigned Maneuvers		Turns Around a Point	
Review Practice Areas		S-Turns Across a Road	
Review Weather Limitations		Postflight Procedures	
Review Current Weather			
Review Emergency Procedures			
Review Communication Procedures			
<b>Solo Flight</b>		<b>Post Flight Discussion</b>	
(Instructor will strike through any maneuvers listed, but not assigned)		Review Flight	
		Next Assignment	
Normal or Crosswind Takeoffs and Landings			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Steep Turns			

### COMPLETION STANDARDS:

This lesson is complete after the student safely and successfully completes the first solo flight outside the local traffic pattern. The student shall exhibit good judgment at all times while in solo flight. Through oral debriefing, the instructor will determine that all assigned maneuvers were satisfactorily completed.

**REMARKS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

/ \_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #122			Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings	Ground	
			Dual	Solo			Night	Night	Day	
Required										1.5
Lesson Total										
Amount Forward										
Total to Date										
Required Total	15.5	4.0			1.1	2.5			60	9.0

### LESSON OBJECTIVE:

During this briefing, the student will review VFR cross-country planning, including weather, airspace, and regulations applicable to cross-country flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>		-Turbulence	
Cross-Country Operations		-Thunderstorms	
-Weather Information		-Icing Conditions	
-Notams, AIM, AFD		-Lost Procedures	
-Flight Planning & Nav Logs		-Low Fuel	
-Filing, Opening & Closing a Flight Plan		-Radio Failure	
-Use of Comm & Nav Radios		-Instrument Failure	
-Enroute Communication		-Other Malfunctions	
-National Airspace System			
-VFR Weather Minimums			
-Required Endorsements			
-Diversion Procedures			
Cross-Country Emergencies			
- Adverse Weather			
-Visibility			
-Ceilings			
-Wind			

### COMPLETION STANDARDS:

The student should demonstrate through oral quizzing a satisfactory knowledge of cross-country planning and procedures. With minimal instructor assistance, the student should plan an actual cross-country flight to be used in conjunction with Flight Lesson 123.

### REMARKS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #123				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo			Night	Night	Day		
Required	1.5		1.5						2	0.5	1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	17.0	4.0	1.5		1.1	2.5			62	9.5	21.0

### LESSON OBJECTIVE:

Introduce the student to cross-country flight procedures with landings at one uncontrolled airport. Increase the student's ability to navigate by means of pilotage and dead-reckoning. Increase the student's proficiency in the specialty takeoffs and landings.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		Diversion Procedures	
Weather Factors		Lost Procedures	
Cross-Country Flight Planning		Route:	
Airspace		Departure:	
Weight and Balance		Unfamiliar Airport:	
Performance and Limitations			
Nav. Logs and Flight Plan			
Cockpit Management			
Diversion and Lost Procedures			
<b>Introduce</b>		<b>Post Flight Discussion</b>	
Short-Field Takeoffs		Review Flight	
Short-Field Landing		Review Nav Log	
Pilotage and Dead-Reckoning		Next Assignment	
Completing Navigation Log			
Opening and Closing Flight Plan			
Unicom Operations			

### COMPLETION STANDARDS:

The student should complete the cross-country planning with minimal instructor assistance. With instructor assistance and maximum student participation, the cross-country flight including a landing at an airport more than 50NM from the departure airport must be completed. During cross-country: Altitude  $\pm 300'$  and Heading  $\pm 20$  Degrees.

**REMARKS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

/ \_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #124				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	2.0		2.0			0.2			3		2.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	19.0	4.0	3.5			1.3	2.5		65	9.5	23.0

### LESSON OBJECTIVE:

Improve the student's ability to plan and fly a cross-country flight. Increase the student's ability to navigate using VORs. Increase the student's proficiency in specialty takeoffs and landings.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		Diversion Procedures	
Weather Factors		Lost Procedures	
Cross-Country Flight Planning		Route:	
Airspace		Departure:	
Weight and Balance		Unfamiliar Airport:	
Performance and Limitations		Unfamiliar Airport:	
Nav. Logs and Flight Plan			
Cockpit Management			
Diversion and Lost Procedures			
<b>Introduce</b>		<b>Post Flight Discussion</b>	
Short-Field Takeoffs		Review Flight	
Short-Field Landing		Review Nav Log	
Pilotage and Dead-Reckoning		Next Assignment	
Completing Navigation Log			
Opening and Closing Flight Plan			
Unicom Operations			

### COMPLETION STANDARDS:

The student shall complete the cross-country planning with minimal instructor assistance. With minimal instructor assistance, the cross-country flight including 2 unfamiliar airports more than 50 NM from the departure airport must be completed. During cross-country: Altitude  $\pm$  250', Heading  $\pm$  20 Degrees, Position  $\pm$  5 NM, ETA  $\pm$  7 minutes.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name



# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

## Flight Training Syllabus

DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #125				Total Flight	
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground		
			Dual	Solo			Night	Night	Day			
Required	1.5					0.1	1.5	5		0.5	1.5	
Lesson Total												
Amount Forward												
Total to Date												
Required Total	20.5	4.0	3.5			1.4	2.5	1.5	5	65	10.0	24.5

### LESSON OBJECTIVE:

Introduce to the operational aspects of night flight. Emphasis will be placed on the additional planning necessary when operating at night. The flight will consist of both traffic pattern and practice area operations.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		<b>Post Flight Discussion</b>	
Night Aeromedical Factors	<input type="checkbox"/>	Review Flight	<input type="checkbox"/>
Flight Planning Considerations	<input type="checkbox"/>	Next Assignment	<input type="checkbox"/>
Preparation and Equipment	<input type="checkbox"/>		
Collision Avoidance	<input type="checkbox"/>		
<b>Introduce and Practice</b>			
Normal Takeoff and Landing	<input type="checkbox"/>		
Basic Attitude Instrument Flight (IR)	<input type="checkbox"/>		
Power-Off Stalls	<input type="checkbox"/>		
Power-On Stalls	<input type="checkbox"/>		
Steep Turns	<input type="checkbox"/>		
Maneuvering During Slow Flight	<input type="checkbox"/>		
Sim Electrical Failure	<input type="checkbox"/>		

### COMPLETION STANDARDS:

The student must complete at least 5 takeoffs and landings at night to a Full Stop. By the conclusion of the lesson, these landings shall be safely conducted and unassisted by the instructor.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_/\_\_\_\_\_

Student Signature

Instructor Signature

Print Name

# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

## Flight Training Syllabus

DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #126				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required										1.0	
Lesson Total											
Amount Forward											
Total to Date											
Required Total	20.5	4.0	3.5		1.4	2.5	1.5	5	65	11.0	24.5

### LESSON OBJECTIVE:

During this briefing, the student will review VFR cross-country planning, including weather, airspace, and regulations applicable to cross-country flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>		-Turbulence	
Cross-Country Operations		-Thunderstorms	
-Weather Information		-Icing Conditions	
-Notams, AIM, AFD		-Lost Procedures	
-Flight Planning & Nav Logs		-Low Fuel	
-Filing, Opening & Closing a Flight Plan		-Radio Failure	
-Use of Comm & Nav Radios		-Instrument Failure	
-Enroute Communication		-Other Malfunctions	
-National Airspace System			
-VFR Weather Minimums			
-Required Endorsements			
-Diversion Procedures			
Cross-Country Emergencies			
- Adverse Weather			
-Visibility			
-Ceilings			
-Wind			

### COMPLETION STANDARDS:

The student shall demonstrate through oral quizzing a satisfactory knowledge of cross-country planning and procedures. With no instructor assistance, the student shall plan an actual cross-country flight.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

/ \_\_\_\_\_  
 Print Name

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## Private Pilot Certification Course- ASEL

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #127				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo			Night	Night	Day		
Required	1.5		1.5		0.2		1.5	5			1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	22.0	4.0	5.0		1.6	2.5	3.0	10	65	11.0	26.0

### LESSON OBJECTIVE:

Increase the student's night flying and cross-country proficiency. This night cross-country must be more than 100 NM total distance. This lesson satisfies the requirements of 14 CFR Part 61 Subpart E 61.109 (a)(2)(i).

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>			
		Diversion Procedures	
Weather Factors		Lost Procedures	
Cross-Country Flight Planning		Basic Attitude Instrument Flight (IR)	
Airspace		Unusual Attitude Recovery (IR)	
Weight and Balance		Route:	
Performance and Limitations		Departure:	
Nav. Logs and Flight Plan		Unfamiliar Airport:	
Cockpit Management		Unfamiliar Airport:	
Diversion and Lost Procedures			
<b>Post Flight Discussion</b>			
		Review Flight	
<b>Review (Night)</b>		Review Nav Log	
Short-Field Takeoffs		Next Assignment	
Short-Field Landing			
Pilotage and Dead-Reckoning			
Completing Navigation Log			
Opening and Closing Flight Plan			
Unicom Operations			

### COMPLETION STANDARDS:

This student must complete 5 takeoffs and landings at night to a Full Stop with no assistance from the instructor. Cross-Country planning must be accurate and complete.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

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## Private Pilot Certification Course- ASEL

## Flight Training Syllabus

DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG	STAGE II CHECK						FLIGHT LESSON #128				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.5				0.3				2	1.0	1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	23.5	4.0	5.0		1.9	2.5	3.0	10	67	12.0	27.5

### LESSON OBJECTIVE:

This stage check conducted by a designated Check Instructor will evaluate the student's ability to safely conduct solo cross-country flight operations. Additionally, the student's proficiency in conducting short-field & soft-field operations lesson will be assessed. This lesson completes Stage II.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion (Oral)</b>		<b>Flight Evaluation</b>	
Part 61 & 91		Preflight Inspection	
-Role of PIC		Airworthiness Requirements	
-Airworthiness of A/C and Pilot		Cockpit Organization	
-Certificates and Documents		Check List Usage / Flow	
Airspace Rules and Procedures		Normal Takeoff and Landing	
-Class A,B,C,D,E,G		Navigation	
-Aircraft Requirements for Diff Airspace		Diversion	
-Pilot Requirements for Diff Airspace		Instrument Flight	
-Clearances and Standards Procedures		Emergencies	
Flight Characteristics & Operating Limits		Short Field Takeoff	
-Weight and Balance		Short Field Landing	
-Performance		Soft Field Landing	
Cross-Country Planning		Soft Field Takeoff	
Weather Information			
		<b>Post Flight Discussion</b>	
		Review Stage Check	

### COMPLETION STANDARDS:

The student shall demonstrate the ability to plan and safely conduct cross-country flights. During the flight the student shall demonstrate proper navigation procedures. During cross-country: Altitude  $\pm 200'$ , Heading  $\pm 15$  Degrees, Position within 5 NM, and ETA within 5 minutes. Diversion procedures including pattern entry and departure at an unfamiliar airport will be conducted safely and correctly.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 /  
 Print Name

**STAGE III**

**STAGE OBJECTIVE**

During this stage, the student will gain proficiency in solo cross-country operations and will receive instruction in preparation for the course completion check.

**STAGE COMPLETION STANDARDS**

This stage will be complete when the student demonstrates performance of each private pilot area of operation and task to a standard that meets or exceeds the minimum performance criteria of the current practical test standards for a private pilot certificate with an airplane category rating and single-engine land class rating.

# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #129				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required		5.0		5.0					3		5.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	23.5	9.0	5.0	5.0	1.9	2.5	3.0	10	70	12.0	32.5

### LESSON OBJECTIVE:

**(Accomplish at least 1 short X-County prior to this longer X-Country)**

The student will use the previously learned cross-country skills on a solo flight. The flight will increase the student's proficiency and confidence.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Solo Flight</b>		VFR Cross-Country, > 150NM (Enter Below):	
Cross-Country Planning		Landings at 3 Points on Leg >50NM	
Weight & Balance		Route:	
Fuel Requirements			
Charts & Publications		Landings at:	
Performance & Limitations			
FAA Flight Plan			
Radio Navigation			
Pilotage		Secondary Route:	
Dead Reckoning			
Operations at Unfamiliar Airports		Landings at:	
Groundspeed Estimates			
Estimating ETAs			
Normal or Crosswind Takeoffs and Landings			
<b>Post Flight Discussion</b>			

### COMPLETION STANDARDS:

The student shall adequately plan and safely conduct solo cross-country operations using the three methods of navigation. This flight shall satisfy the requirements of 14 CFR Part 61 Subpart E 61.109 (a)(5)(ii).

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

**TECH AVIATION FLIGHT SCHOOL, INC.**

**Private Pilot Certification Course- ASEL**

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #130			Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		
			Dual	Solo				Night	Day	
Required										2.0
Lesson Total										
Amount Forward										
Total to Date										
Required Total	23.5	9.0	5.0	5.0	1.9	2.5	3.0	10	70	14.0

**LESSON OBJECTIVE:**

During this lesson, the student will prepare for Practical Test Procedures.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>		Night Preparation	
Practical Test Standards		Night Flight	
Certificates and Documents		Wake Turbulence Avoidance	
Aircraft Maintenance Records		Low Level Windshear	
Required Maintenance		Checklist Usage / Cockpit Management	
Aircraft Performance and Limitations		Emergency Equipment and Survival Gear	
Inoperative Equipment / Min. Equip. List			
Weight and Balance			
National Airspace System			
Charts and Publications			
Weather Information			
Cross-Country Flight Planning			
Regulations (14 CFR Parts 61 and 91)			
-including currency requirements			
Aircraft Systems / Malfunctions			
Aeromedical Factors			
Spatial Disorientation			

**COMPLETION STANDARDS:**

All areas listed shall be reviewed. Any deficiencies noted shall be assigned for study prior to Briefing 133.

**REMARKS:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name





**TECH AVIATION FLIGHT SCHOOL, INC.**

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #132				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.0					0.2			3		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	25.5	9.0	5.0	5.0	2.3	2.5	3.0	10	76	14.0	34.5

**LESSON OBJECTIVE:**

The instructor will review and evaluate the student’s proficiency to determine performance areas which need additional solo or dual practice.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>		Instrument Maneuvers as Determined	
Takeoffs and Landings as Determined:			
		Emergency Maneuvers as Determined	
Ground Reference Maneuvers as Determined:			
Airwork Maneuvers as Determined			
		<i>Post Flight Discussion</i>	
		Review Flight	
		Next Assignment	

**COMPLETION STANDARDS:**

Each maneuver should be performed at the proficiency level of a private pilot. Maneuvers requiring additional practice shall be assigned for solo practice.

**REMARKS:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

**TECH AVIATION FLIGHT SCHOOL, INC.**

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							GROUND LESSON #133				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo			Night	Night	Day		
Required										1.0	
Lesson Total											
Amount Forward											
Total to Date											
Required Total	25.5	9.0	5.0	5.0	2.3	2.5	3.0	10	76	15.0	34.5

**LESSON OBJECTIVE:**

During this lesson, the instructor will evaluate the student's knowledge of appropriate private pilot subjects.

LESSON CONTENT			
Subject	Grade	Subject	Grade
		<b>Review</b>	
Practical Test Standards		Night Preparation	
Certificates and Documents		Night Flight	
Aircraft Maintenance Records		Wake Turbulence Avoidance	
Required Maintenance		Low Level Windshear	
Aircraft Performance and Limitations		Checklist Usage / Cockpit Management	
Inoperative Equipment / Min. Equip. List		Emergency Equipment and Survival Gear	
Weight and Balance			
National Airspace System		<b>Introduce</b>	
Charts and Publications		Application (8710)	
Weather Information		Practical Test Checklist (PTS)	
Cross-Country Flight Planning		Practical Test Procedures	
Regulations (14 CFR Parts 61 and 91)			
-including currency requirements			
Aircraft Systems / Malfunctions			
Aeromedical Factors			
Spatial Disorientation			

**COMPLETION STANDARDS:**

Through oral questioning the instructor shall determine that all knowledge areas meet Private Pilot Practical Test Standards.

**REMARKS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

/ \_\_\_\_\_  
 Print Name

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**Private Pilot Certification Course- ASEL**

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #134				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required		1.0							4		1.0
Lesson Total											
Amount Forward											
Total to Date											
Required Total	25.5	10.0	5.0	5.0	2.3	2.5	3.0	10	80	15.0	35.5

**LESSON OBJECTIVE: (it is recommended to divide this lesson into 2 flights)**

The student will practice flight maneuvers with special emphasis on improving performance in any weak areas in preparation for the final stage check. Additional confidence will be gained in solo operations.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>			
Short-Field Takeoff			
Soft-Field Takeoff			
Crosswind Takeoff			
Rectangular Course			
S-Turns Across a Road			
Maneuvering During Slow Flight			
Power-On Stalls			
Short-Field Landing			
Soft-Field Landing			
Crosswind Landing			
Additional Maneuvers Assigned by Instructor			

**COMPLETION STANDARDS:**

This lesson is complete when the student accomplishes all required maneuvers including those areas assigned by the instructor.

**REMARKS:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

# TECH AVIATION FLIGHT SCHOOL, INC.

## Private Pilot Certification Course- ASEL

## Flight Training Syllabus

DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #135				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.5					0.3			4		1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	27.0	10.0	5.0	5.0	2.6	2.5	3.0	10	84	15.0	37.0

### LESSON OBJECTIVE:

The instructor will review each of the listed areas of operation to determine the student's ability to perform at a private pilot level

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Areas of Operations</b>		Performance Maneuver	
Preflight Procedures		-Steep Turns	
-Preflight Inspection		Ground Reference Maneuvers	
-Cockpit Management		-S-Turns Across a Road	
-Engine Starting		-Turns Around a Point	
-Taxiing		-Rectangular Course	
-Before Takeoff Check		Navigation	
Airport Operations		-Pilotage, Dead Reckoning, VOR	
-Radio Com. & ATC Light Gun Signals		-Diversion / Lost Procedures	
-Traffic Patterns		Slow Flight	
-Airport & Runway Markings and Lighting		Power-On Stalls	
Takeoffs, Landings, and Go-Arounds		Power-Off Stalls	
-Normal & XW Takeoffs and Landings		Basic Attitude Instrument Flight	
-Soft Field Takeoffs and Landing		Emergency Operations	
-Short Field Takeoffs and Landing		Post Flight Procedures	
-Forward Slip to Landing			
-Go-Around			

### COMPLETION STANDARDS:

The student shall demonstrate proficiency that meets or exceeds the standard of performance outlined in the current FAA Private Practical Test Standards.

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature

\_\_\_\_\_  
Print Name

# TECH AVIATION FLIGHT SCHOOL, INC.

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DATE: \_\_\_/\_\_\_/\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #136				Total Flight
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings		Ground	
			Dual	Solo				Night	Day		
Required	1.5					0.2			3		1.5
Lesson Total											
Amount Forward											
Total to Date											
Required Total	28.5	10.0	5.0	5.0		2.8	2.5	3.0	10	87	15.0

### LESSON OBJECTIVE:

During this lesson the student will be asked to demonstrate private pilot proficiency in all areas of operation.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Areas of Operations</b>		Performance Maneuver	
Preflight Procedures		-Steep Turns	
-Preflight Inspection		Ground Reference Maneuvers	
-Cockpit Management		-S-Turns Across a Road	
-Engine Starting		-Turns Around a Point	
-Taxiing		-Rectangular Course	
-Before Takeoff Check		Navigation	
Airport Operations		-Pilotage, Dead Reckoning, VOR	
-Radio Com. & ATC Light Gun Signals		-Diversion / Lost Procedures	
-Traffic Patterns		Slow Flight	
-Airport & Runway Markings and Lighting		Power-On Stalls	
Takeoffs, Landings, and Go-Arounds		Power-Off Stalls	
-Normal & XW Takeoffs and Landings		Basic Attitude Instrument Flight	
-Soft Field Takeoffs and Landing		Emergency Operations	
-Short Field Takeoffs and Landing		Post Flight Procedures	
-Forward Slip to Landing			
-Go-Around			

### COMPLETION STANDARDS:

The student shall demonstrate proficiency that meets or exceeds the standard of performance outlined in the current FAA Private Practical Test Standards. Any areas deficient require further instruction until those standards are met.

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Instructor Signature

\_\_\_\_\_  
 Print Name

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DATE: \_\_\_/\_\_\_/\_\_\_\_\_

GRADE: \_\_\_\_\_

AIRCRAFT MODEL: \_\_\_\_\_

N \_\_\_\_\_

TIME LOG	STAGE III CHECK/END-OF-COURSE					FLIGHT LESSON #137				Total Flight	
	Dual	Solo	Cross Country		IFR	ATD	Night	Landings			
Required	1.5		Dual	Solo	0.2			Night	Day	Ground	1.5
Lesson Total									3	1.5	1.5
Amount Forward											
Total to Date											
Required Total	30.0	10.0	5.0	5.0	3.0	2.5	3.0	10	90	16.5	40.0

### LESSON OBJECTIVE:

This stage check / End-of-Course Test will be conducted by the Chief or Assistant Chief Flight Instructor, or Check Instructor. The student will be asked to perform each of the areas of operation in the current Private Pilot Practical Test Standards.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Areas of Operations</b>		-Go-Around	
Preflight Preparation		Performance Maneuver	
-Certificates and Documents		-Steep Turns	
-Weather Information		Ground Reference Maneuvers	
-Cross-Country Flight Planning		-S-Turns Across a Road	
-National Airspace System		-Turns Around a Point	
-Performance and Limitations		-Rectangular Course	
-Operation of Systems		Navigation	
-Minimum Equipment List		-Pilotage, Dead Reckoning	
-Aeronautical Factors		-Instrument Navigation	
Preflight Procedures		-Diversion	
-Preflight Inspection		-Lost Procedures	
-Cockpit Management		Slow Flight and Stalls	
-Engine Starting		-Power-Off Stalls	
-Taxiing		-Power-On Stalls	
-Before Takeoff Check		-Spin Awareness	
Airport Operations		Basic Attitude Instrument Flight	
-Radio Com. & ATC Light Gun Signals		-Straight and Level	
-Traffic Patterns		-Constant Airspeed Climbs and Descents	
-Airport & Runway Markings and Lighting		-Turns to a Heading	
Takeoffs, Landings, and Go-Arounds		-Recovery from Unusual Attitudes	
-Normal & Crosswind Takeoff and Climb		Emergency Operations	
-Normal & Crosswind Landings		-Emergency Descent	
-Soft Field Takeoff and Climb		-Emergency App and Landing	
-Soft Field Landing		-System Malfunctions	
-Short Field Takeoff and Climb		Night Operations	
-Short Field Landing		Post Flight Procedures	
-Forward Slip to Landing		-After Landing	

Lesson # 137 Stage Check / End of Course Test (continued)

### COMPLETION STANDARDS:

The student shall demonstrate proficiency that meets or exceeds the standard of performance outlined in the current FAA Private Practical Test Standards.

### REMARKS:

\_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Instructor Signature / \_\_\_\_\_  
Print Name

**TECH AVIATION FLIGHT SCHOOL, INC.**

**Private Pilot Certification Course- ASEL**

**Training Syllabus**

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