



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

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**Commercial Pilot
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(ASEL)
Ground Training
Syllabus
FAR Part 61**

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TECH AVIATION FLIGHT SCHOOL, INC.

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

PRINT STUDENT NAME:

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 Commercial Pilot and satisfactorily complete the Commercial Pilot Knowledge Test.

Within this syllabus, there are two stages and nineteen 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 two written stage examinations to check the student's progress, which must be passed. The course completion check at the end of this course assures that the student acquired the aeronautical knowledge required to satisfactorily complete the FAA Commercial Pilot (ASEL) Knowledge Test. The examination questions are extracted from the current FAA Commercial 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. The applicant must hold a current private pilot certificate with an airplane single-engine land category and class rating prior to beginning the flight portion of the course. The applicant must also hold an Instrument Rating with an airplane single-engine land category and class rating, or be currently enrolled in an Instrument Rating Course (single-engine land), and pass the required Instrument Rating Practical Test prior to completing the Commercial Pilot Certification Course (ASEL). There are no prerequisites for beginning the ground training portion of this course.

II. GRADING CRITERIA
FOR THE STUDENT AND INSTRUCTOR:

- I. The overall performance grade for each lesson completed is based on the 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.

GROUND TRAINING LOG

Student Name: _____

	Lesson Time (h:min)	Actual Time Completed	Date Completed	Grade	Instructor Signature
201	1:30				
202	1:30				
203	2:00				
204	2:00				
205	2:00				
206□	1:00				
407	2:00				
408	2:00				
409	2:00				
410	2:00				
411	2:00				
412	2:00				
413	2:00				
414	2:00				
415	2:00				
416	2:00				
417	2:00				
418□	1:00				
419□	2:00				
Total	35:00:00				

√ Denotes Stage Check

◆ Denotes End of Course Check

STAGE I

STAGE OBJECTIVE

During this stage, the student will review airports, airspace, flight information, and meteorology, as well as airplane performance, VFR cross-country planning, and navigation. In addition, the student will gain a greater understanding of aviation physiology, aeronautical decision making, and the FARs applicable to commercial pilot operations.

STAGE COMPLETION STANDARDS

This stage is complete when the student has taken the Stage I Exam with a minimum passing score of 80%, and the instructor has reviewed each incorrect response to ensure complete understanding before the student progresses to Stage II.

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Ground Training Syllabus

LESSON 201: (1.5 Hours, Ground Instruction)

I. OBJECTIVE:

- Review the airport environment, airspace, and flight information including collision avoidance.
- Review the weather patterns and hazards related to flight operations, the information contained in printed weather reports and forecasts and graphic weather information.
- Review and improve knowledge of aeronautical charts for operations under VFR.

II. ACADEMIC CONTENT:

CHECK LIST

Airports, Airspace and Flight Information:

Runway and Taxiway Markings	_____
Runway Incursion Avoidance	_____
Land and Hold Short Operations (LAHSO)	_____
Lighting Systems	_____
Airspace	_____
Flight Information	_____

Weather:

Weather Factors	_____
Weather Hazards	_____
Printed Reports and Forecasts	_____
Graphical Weather Products	_____
Sources of Weather Information	_____

Aeronautical Charts

Sectional Charts	_____
VFR Terminal Area Charts	_____
World Aeronautical Charts	_____
Longitude and Latitude	_____
Airport Data	_____
Navigation Aids	_____
Airspace	_____
Obstructions	_____
Topographical Information	_____

III. COMPLETION STANDARDS:

- Demonstrate understanding of the airport environment, airspace, and flight information during oral quizzing by the instructor at completion of lesson.
- Demonstrate understanding of weather factors, weather hazards, printed reports and forecasts, graphical weather information during oral quizzing.
- Demonstrate understanding of VFR aeronautical charts used for cross-country flight during oral quizzing by instructor before the student progresses to next ground lesson.

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Ground Training Syllabus

LESSON 202: (1.5 Hours, Ground Instruction)

I. OBJECTIVE:

- Review and improve the student’s knowledge of Pilotage and dead reckoning navigation under VFR.
- Become familiar with guidelines and recommended procedures related to flight planning, including proper VFR cruising altitudes, route selection based on airspace, and lost procedures.

II. ACADEMIC CONTENT:

CHECK LIST

Pilotage and Dead Reckoning:

Pilotage	_____
Selecting Checkpoints	_____
Following a Route	_____
Orientation	_____
Dead Reckoning	_____
Navigation Plotter	_____
Flight Planning	_____
Navigation Log	_____
Flight Plan	_____
Position Reports	_____
Flying Over Hazardous Terrain	_____

III. COMPLETION STANDARDS:

- Demonstrate understanding of Pilotage and dead reckoning methods for cross-country VFR flight During Oral Quizzing by instructor before the student progresses to next lesson.

LESSON 203: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student will review and become more familiar with the common physiological factors affecting day and night flight operations.
- The student also will learn the common adverse effects of these physiological factors.

II. ACADEMIC CONTENT:

CHECK LIST

Aviation Physiology:

The Eye	_____
Night Vision	_____
Night Scanning	_____
Visual Illusions	_____
Auto-Kinesis	_____
Landing Illusions	_____
Flickering Vertigo	_____
Disorientation	_____
Illusions Leading to Disorientation	_____
Motion Sickness	_____
Respiration	_____
Hypoxia	_____
Prevention of Hypoxia	_____
Hyperventilation	_____
Decompression Sickness	_____
Alcohol, Drugs, and Performance	_____

III. COMPLETION STANDARDS:

- Demonstrate knowledge of the physiological factors, especially vision affecting the pilot in flight operations.

LESSON 204: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- During this lesson, the student will gain additional knowledge of the human factors concepts and crew resource management principles which affect aeronautical decision making and judgment.

II. ACADEMIC CONTENT:

CHECK LIST

Aeronautical Decision Making and Judgment:

Aeronautical Decision Making	_____
Crew Resource Management	_____
Decision-Making Process	_____
Pilot-in-Command Responsibility	_____
Hazardous Attitudes	_____
Communication	_____
Resource Use	_____
Workload Management	_____
Situational Awareness	_____

III. COMPLETION STANDARDS:

- Demonstrate understanding of human factors concepts and crew resource management principles and their effect on flight safety.

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Ground Training Syllabus

LESSON 205: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Introduce FARs related specifically to commercial pilot operations.
- Review NTSB Part 830

II. ACADEMIC CONTENT:

CHECK LIST

FAR 1

FAR 61

FAR 91

FAR 119

NTSB Part 830

III. COMPLETION STANDARDS:

- Demonstrate understanding of the FARs and NTSB Part 830 during oral quizzing by instructor at completion of lesson.
- Student completes the Commercial Pilot Exercises in the FAR/AIM.

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Ground Training Syllabus

LESSON 206: (1.0 Hours, Stage Exam)

I. OBJECTIVE:

- Administer a Stage Exam that covers the aeronautical charts and VFR cross-country operations, as well as sections of Chapter 1, 3, and 9 of the Instrument / Commercial Manual, and the commercial FARs.

II. ACADEMIC CONTENT:

CHECK LIST

Stage I Exam

Airports, Airspace, and Flight Information

Meteorology

Aeronautical Charts

Pilotage and Dead Reckoning

Aviation Physiology

Aeronautical Decision Making and Judgment

Commercial FARs and NTSB Part 830

Review of Deficient Areas

III. COMPLETION STANDARDS:

- The lesson and stage are complete when the student has passed the Stage I Exam with a minimum score of 80%, and the instructor has reviewed each incorrect response to ensure complete understanding before the student progresses to the next stage and lesson.

STAGE II

STAGE OBJECTIVE

During this stage, the student will learn the operation of complex aircraft systems, how to predict aircraft performance, and advanced aerodynamics appropriate to complex airplanes. The student also will learn about commercial decision making, and how to perform the flight maneuvers required for commercial pilot certification.

STAGE COMPLETION STANDARDS

This stage is complete when the student has taken the Stage II Exam with a minimum passing score of 80%, and the instructor has reviewed each incorrect response to ensure complete understanding.

LESSON 407: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Gain a working understanding of fuel injection systems including components and system operation.
- Become familiar with high performance engine systems and their proper use.
- Understand the concepts and systems related to propeller pitch control.

II. ACADEMIC CONTENT:

CHECK LIST

High Performance Powerplants

Fuel Injection Systems _____

Starting Procedures _____

Normal Start _____

Hot Starts _____

Flooded Starts _____

Engine Monitoring _____

Exhaust Gas Temperature Gauge _____

Cylinder Head Temperature Gauge _____

Abnormal Combustion _____

Induction Icing _____

Turbo-Charging

Turbo-charging Principles _____

System Operation _____

High Altitude Performance _____

Constant-Speed Propellers

Propeller Principles _____

Constant-Speed Propeller Operation _____

Power Controls _____

III. COMPLETION STANDARDS:

- Demonstrate understanding of high performance powerplants.

LESSON 408: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Understand the operation of aircraft environmental control systems.
- Gain a working knowledge of the operation and limitations of ice control systems.

II. ACADEMIC CONTENT:

CHECK LIST

Oxygen Systems

Continuous-Flow

Diluter-Demand

Pressure-Demand

Oxygen Storage

Oxygen Servicing

Cabin Pressurization

Operating Principles

Pressurization Principles

Pressurization Components

Pressurization Emergencies

Ice Control Systems

Airfoil Ice Control

Windshield Ice Control

Propeller Ice Control

Other Ice Control Systems

III. COMPLETION STANDARDS:

- Demonstrate understanding of environmental and ice control systems.

LESSON 409: (2.0 Hours, Ground Instruction)

IV. OBJECTIVE:

- Understand the operation and limitations of retractable landing gear systems

V. ACADEMIC CONTENT:

CHECK LIST

Landing Gear

Landing Gear Systems

Gear System Safety

Airspeed Limitations

Operating Procedures

Gear System Malfunctions

Emergency Gear Extension

VI. COMPLETION STANDARDS:

- Demonstrate understanding of retractable landing gear systems during oral quizzing by instructor at completion of lesson.

LESSON 410: (2.0 Hours, Ground Instruction)

VII. OBJECTIVE:

- Integrate aerodynamic theory with the operational factors affecting airplane flight characteristics.

VIII. ACADEMIC CONTENT:

CHECK LIST

Four Forces of Flight

- Lift _____
- Lift Equation _____
- Controlling Lift _____
- High Lift Devices _____
- Drag _____
- Induced Drag _____
- Parasite Drag _____
- Ground Effect _____
- Thrust _____
- Weight and Load Factor _____
- V-g Diagram _____

Aircraft Stability

- Static _____
- Dynamic _____
- Longitudinal Stability _____
- Lateral Stability _____
- Directional Stability _____

Aerodynamics and Flight Maneuvers

- Straight-and-Level Flight _____
- Climbs _____
- Glides _____
- Turns _____
- Stall and Spin Awareness _____
- Stall Causes and Types _____
- Stall Recognition and Recovery _____
- Spin Causes and Phases _____
- Spin Recovery _____

IX. COMPLETION STANDARDS:

- Demonstrate understanding of advanced aerodynamic concepts during oral quizzing by instructor at completion of lesson.

LESSON 411: (2.0 Hours, Ground Instruction)

X. OBJECTIVE:

- Gain the working knowledge needed to understand airplane performance and the methods used to calculate performance.

XI. ACADEMIC CONTENT:

CHECK LIST

Predicting Performance

Density Altitude

Surface Winds

Weight

Runway Conditions

The Pilot's Operating Handbook

Performance Charts

Takeoff Charts

Climb Performance Charts

Cruise Performance Charts

Descent Charts

Landing Distance Charts

Glide Distance

Stall Speeds

XII. COMPLETION STANDARDS:

- Demonstrate ability to understand and calculate aircraft performance data during oral quizzing by instructor at completion of lesson.

LESSON 412: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Understand the importance of controlling weight and balance and its effects on air-craft performance.
- Learn the methods of computing weight and balance.

II. ACADEMIC CONTENT:

CHECK LIST

Controlling Weight and Balance

Weight and Balance Limitations

Center of Gravity Limits

Weight and Balance Documents

Weight and Balance Computations

Weight and Balance Condition Checks

Computation Method

Graph Method

Table Method

Weight Shift Computations

III. COMPLETION STANDARDS:

- Demonstrate understanding of aircraft weight and balance computations and performance.

LESSON 413: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Understand the procedures and performance considerations necessary to execute maximum performance takeoffs and landings.

II. ACADEMIC CONTENT:

CHECK LIST

Soft Field

Takeoff and Climb

Description / Procedure

Approach and Landing

Short Field

Takeoff and Climb

Description / Procedure

Approach and Landing

Combined Procedures

III. COMPLETION STANDARDS:

- Demonstrate understanding of maximum performance takeoffs and landings.

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Commercial Pilot Certification Course-ASEL

Ground Training Syllabus

LESSON 414: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Introduce steep turns and chandelles including performance factors and safety considerations relevant to the maneuvers.

II. ACADEMIC CONTENT:

CHECK LIST

Steep Turns

Description

Procedure

Chandelles

Description

Procedure

III. COMPLETION STANDARDS:

- Demonstrate understanding of steep turns and chandelles during oral quizzing by instructor at completion of lesson.

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Ground Training Syllabus

LESSON 415: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Learn how to fly lazy eights and eights-on-pylons maneuvers.
- Acquire knowledge of how maneuvers introduced during the commercial pilot phase of training develop pilot skill.

II. ACADEMIC CONTENT:

CHECK LIST

Lazy Eights

Description

Procedure

Eights-On-Pylons

Description

Procedure

III. COMPLETION STANDARDS:

- Demonstrate understanding of lazy eights and eights-on-pylons during oral quizzing by instructor at completion of lesson.

LESSON 416: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Understand the emergency procedures for various situations during commercial flight operations under VFR.
- Become Familiar with some basic forced landing procedures, emergency equipment, and survival gear.

II. ACADEMIC CONTENT:

CHECK LIST

Emergency Procedures

Emergency Descent

Emergency Approach and Landing

In-Flight Fire

Partial Power Loss

Door Opening in Flight

Asymmetrical Flap Extension

Emergency Equipment and Survival Gear

III. COMPLETION STANDARDS:

- Demonstrate understanding of commercial pilot emergency procedures during oral quizzing by instructor at completion of lesson.

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Commercial Pilot Certification Course-ASEL

Ground Training Syllabus

LESSON 417: (2.0 Hours, Ground Instruction)

I. OBJECTIVE:

- Understand the decision-making process related to commercial flight operations.
- Learn how human factors affect aeronautical decision making and how crew resource management skills can enhance flight safety.

II. ACADEMIC CONTENT:

CHECK LIST

Commercial Decision Making

Commercial Operations _____

Applying the Decision-Making Process _____

Crew Resource Management _____

Hazardous Attitudes _____

Crew Relationships _____

Communication _____

Barriers to Effective Communication _____

Resource Use _____

Internal and External Resources _____

Workload Management _____

Planning and Preparation _____

Prioritizing _____

Situational Awareness _____

Controlled Flight Into Terrain _____

III. COMPLETION STANDARDS:

- Demonstrate thorough understanding of the commercial decision making during oral quizzing by instructor at completion of lesson.

LESSON 418: (1.0 Hours, Stage II Exam)

IV. OBJECTIVE:

- Administer the stage exam covering knowledge of advanced airplane systems and performance, aeronautical decision making and other material covered in Chapters 11, 12, 13, and 14 of the Instrument/Commercial Manual.

V. ACADEMIC CONTENT:

CHECK LIST

Stage II Exam

High Performance Powerplants	_____
Environmental and Ice Control Systems	_____
Retractable Landing Gear	_____
Advanced Aerodynamics	_____
Predicting Airplane Performance	_____
Controlling Weight and Balance	_____
Commercial Flight Maneuvers	_____
Emergency Procedures	_____
Commercial Decision Making	_____

VI. COMPLETION STANDARDS:

- The lesson and stage are complete when the student passes a Stage II Exam with a minimum passing grade of 80%, and the instructor has reviewed each incorrect response to ensure complete understanding before the student progresses to the Commercial Pilot End-of-Course Exam.

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Ground Training Syllabus

LESSON 419: (2.0 Hours, End-Of-Course Exam)

I. OBJECTIVE:

- Demonstrate comprehension of academic material presented in preparation for the FAA Commercial Pilot Airman Knowledge Test.

II. ACADEMIC CONTENT:

The student will complete a comprehensive exam to include all knowledge areas found in the FAA Commercial Pilot Airman Knowledge Test.

III. COMPLETION STANDARDS:

- The lesson and stage are complete when the student passes an End-Of-Course Exam with a minimum passing grade of 80%, and the instructor has reviewed each incorrect response to ensure complete understanding before the student progresses to the Commercial Pilot Airman Knowledge Test.



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V	17 of 21	Lesson #436	Orig	12/01/2003
V	18 of 21	Lesson #437	Orig	12/01/2003
V	19 of 21	Lesson #437	Orig	12/01/2003
V	20 of 21	Lesson #438 End of Course Check	Orig	12/01/2003
V	21 of 21	Lesson #438 End of Course Check	Orig	12/01/2003
Appendix A	1 of 1	Enrollment/Graduation Certif.	Orig	12/01/2003

TECH AVIATION FLIGHT SCHOOL, INC.

**COMMERCIAL PILOT CERTIFICATION 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 Commercial Pilot Certification Course, Airplane Single-Engine Land (ASEL) flight-training syllabus is designed to meet or exceed the requirements of 14 CFR Part 61, Subpart F. Its design will allow an enrolled appropriately rated Private Pilot student (see enrollment requirements, page 3) to acquire the proficiency and experience needed to meet the certification requirements for a U.S. FAA Commercial Pilot (ASEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (ASEL) Practical Test Standards (PTS). All students enrolled in this course must meet these standards before graduating from this course.

This flight-training syllabus contains five (5) stages and includes sixty-six (66) 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		Night		Solo	Complex		IFR	ATD	Ground	Total Flight
		Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
78.5	41.5	27.0	26.5	6.0	5.0	10	21.0	7.5	8.9	11.0	14.0	120.0

Additional training requirements that must also be accomplished before graduation are included, as appropriate, in the flight 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 Commercial Pilot (ASEL) Practical Test Standards (PTS).

TRAINING SYLLABUS

- III. ENROLLMENT PREREQUISITES:** The applicant must hold a current private pilot certificate with an airplane single-engine land category and class rating prior to beginning the flight portion of the course. The applicant must also hold an Instrument Rating with an airplane single-engine land category and class rating, or be currently enrolled in an Instrument Rating Course (single-engine land), and pass the required Instrument Rating Practical Test prior to completing the Commercial Pilot Certification Course (ASEL). There are no prerequisites for beginning the ground training portion of this course.
- IV. GROUND TRAINING REQUIREMENTS:** The applicant must successfully complete all required ground training lessons including the Final Stage Check.
- V. FLIGHT TRAINING REQUIREMENTS:** The applicant must successfully complete all flight training lessons, stage checks, and end of course tests.
- VI. REQUIREMENTS FOR GRADUATION:** To obtain a graduation certificate for the Commercial Pilot Certification Course (ASEL), the applicant must:
- a.** Hold at least a current private pilot certificate with an airplane single-engine land category and class rating and instrument airplane rating;
 - 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 Commercial 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.

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

FLIGHT TRAINING WORKSHEETS

#	Date	Aircraft	Total Time	Grade	Dual	Solo	X Country		Night		Solo LDGs	Complex		IFR	ATD	Grd	Req. Total
							Dual	Solo	Dual	Solo		Dual	Solo				
COMMERCIAL STAGE I																	
301																1.5	
302					1.5										1.5		1.5
303					1.5										1.5		1.5
304					1.5										1.5		1.5
305					2.0		2.0									1.0	2.0
306					2.0		2.0										2.0
307					2.0		2.0										2.0
308					3.0		3.0										3.0
309						4.0		4.0									4.0
310						4.0		4.0									4.0
311						4.0		4.0									4.0
312					3.0		3.0										3.0
313						7.0		7.0									7.0
314V					1.5												1.5
STAGE I TOTAL:						18.0	19.0	12.0	19.0						4.5	2.5	37.0
COMMERCIAL STAGE II																	
315					1.5												1.5
316																1.0	
317					1.5				1.5								1.5
318					1.5				1.5								1.5
319					3.0		3.0		3.0								3.0
320						1.5			1.5	5							1.5
321						2.0		2.0	2.0	3							2.0
322						1.5		1.5	1.5	2							1.5
323					1.5									1.5			1.5
324					4.0		4.0										4.0
325						4.0		4.0									4.0
326					2.0									2.0			2.0
327					2.5		2.5							2.3			2.5
328					4.0		2.5							3.8			4.0
329					1.5												1.5
330V					1.5												1.5
STAGE II TOTAL:						24.5	9.0	12.0	7.5	6.0	5.0	10		6.1	3.5	1.0	33.5
OVERALL TOTAL:						42.5	28.0	24.0	26.5	6.0	5.0	10		6.1	8.0	3.5	70.5

- √ Stage Check
- ◆ Course Completion Check
- * At airport with operating control tower
- ** Safety pilot or CFI required

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

#	Date	Aircraft	Total Time	Grade	Dual	Solo	X Country		Night		Solo LDGs	Complex		IFR	ATD	Grd	Req. Total
							Dual	Solo	Dual	Solo		Dual	Solo				
COMMERCIAL STAGE III																	
401																1.0	
402					1.5												1.5
403					1.5												1.5
404					1.5												1.5
405						1.5											1.5
406					1.5												1.5
407					1.5												1.5
408						1.5											1.5
409					1.5												1.5
410						1.5											1.5
411						1.5											1.5
412					1.5												1.5
413v					1.5												1.5
STAGE III TOTAL:					12.0	6.0										1.0	18.0
OVERALL TOTAL:					54.5	34.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	88.5
COMMERCIAL STAGE IV																	
414																1.5	
415					1.5										1.5		1.5
416					1.5										1.5		1.5
417					1.5						1.5						1.5
418					1.0						1.0						1.0
419					1.5						1.5						1.5
420					1.0						1.0					0.5	1.0
421v					1.0						1.0					0.5	1.0
STAGE IV TOTAL:					9.0						6.0			3.0	2.5	9.0	
OVERALL TOTAL:					63.5	34.0	24.0	26.5	6.0	5.0	10	6.0		6.1	11.0	7.0	97.5

- √ Stage Check
- ◆ Course Completion Check
- * At airport with operating control tower
- ** Safety pilot or CFI required

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

#	Date	Aircraft	Total Time	Grade	Dual	Solo	X Country		Night		Solo LDGs	Complex		IFR	ATD	Grd	Req. Total	
							Dual	Solo	Dual	Solo		Dual	Solo					
COMMERCIAL STAGE V																		
422																1.0		
423					3.0		3.0					3.0		2.8			3.0	
424					1.0							1.0					1.0	
425					1.0							1.0					1.0	
426					1.5							1.5					1.5	
427						1.5							1.5				1.5	
428						1.5							1.5				1.5	
429					1.5							1.5					1.5	
430						1.5							1.5				1.5	
431					1.5							1.5					1.5	
432						1.5							1.5				1.5	
433						1.5							1.5				1.5	
434					1.0							1.0					1.0	
435																2.0		
436					1.5							1.5					1.5	
437					1.5							1.5				2.0	1.5	
438V					1.5							1.5				2.0	1.5	
STAGE V TOTAL:						15.0	7.5	3.0				15.0	7.5	2.8		7.0	22.5	
OVERALL TOTAL:						78.5	41.5	27.0	26.5	6.0	5.0	10	21.0	7.5	8.9	11.0	14.0	120.0

√ Stage Check

◆ Course Completion Check

STAGE I

STAGE OBJECTIVE

The objective of Stage I is to broaden the student's knowledge of VFR cross-country flying. Additionally, the student will be introduced to or review airplane attitude control by instrument reference and radio navigation.

STAGE COMPLETION STANDARDS

At the completion of this stage the student shall demonstrate knowledge and skill exceeding that specified in the current Private Pilot (ASEL) Practical Test Standards for VFR cross-country flying. Additionally, the student will demonstrate a basic understanding of airplane attitude control by instrument reference only.

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								GROUND LESSON #301				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required												1.5	
Lesson Total													
Amount Forward													
Total to Date													
Required Total												1.5	

LESSON OBJECTIVE:

During this ground lesson, the student's knowledge of cross-country flight planning will be reviewed. In addition, the student will be introduced to attitude instrument flying and VOR navigation.

Subject	Grade	Subject	Grade
Introduce		Flight by Reference to Instruments	
Certificates and Documents	<input type="text"/>	Flight Instruments	<input type="text"/>
Operation of Systems	<input type="text"/>	Basic Attitude Instrument Flying	<input type="text"/>
Aeromedical Factors	<input type="text"/>	VOR Navigation	<input type="text"/>
Preflight Procedures	<input type="text"/>		
Cross-Country Planning			
Weight and Balance	<input type="text"/>		
Weather Information	<input type="text"/>		
Performance and Limitations	<input type="text"/>		
Current Aeronautical Charts	<input type="text"/>		
Airspace, Obstructions, and Terrain Features	<input type="text"/>		
Selection of:	<input type="text"/>		
- En Route Checkpoints	<input type="text"/>		
- Favorable Altitudes of Flight Levels	<input type="text"/>		
- Appropriate Navigation System/Facilities	<input type="text"/>		
- Communication Frequencies	<input type="text"/>		
Navigation Log	<input type="text"/>		
Filing a VFR Flight Plan	<input type="text"/>		

COMPLETION STANDARDS:

At the completion of this ground lesson, the student should be familiar with cross-country procedures for VFR flight, as well as flight by reference to instruments.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #302			Ground	Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR			ATD
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5										1.5		1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	1.5										1.5	1.5	1.5

LESSON OBJECTIVE:

During this lesson, the student will review private pilot maneuvers.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion			
Review			
Normal and Crosswind Takeoff and Climb			
Steep Turns			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Emergency Approach and Landing			
Normal and Crosswind Approach and Landing			
Post Flight Discussion			

COMPLETION STANDARDS:

This lesson is complete when the student meets or exceeds the standards listed in the current FAA Private Pilot (ASEL) Practical Test Standards for the applicable maneuvers.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #303										Total Flight		
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR		ATD	Ground
Required	1.5										1.5		1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	3.0										3.0	1.5	3.0

LESSON OBJECTIVE:

During this lesson, the student will be introduced to basic attitude instrument flying.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
<i>Introduce and Practice</i>			
Preflight			
Instrument Cockpit Check			
Straight and Level			
Changes of Airspeed			
Constant Airspeed Climbs			
Constant Airspeed Descents			
Rate Climbs			
Rate Descents			
Standard-Rate Turns			
Climbing Turns			
Descending Turns			
Steep Turns			
Recovery from Unusual Flight Attitudes			
Timed Turns to Magnetic Compass Headings			

COMPLETION STANDARDS:

At the completion of this lesson the student should be able, with instructor assistance, to demonstrate control of the aircraft by reference to instruments through the use of pitch, bank, and power.

REMARKS: _____

 Student Signature

 Instructor Signature / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #304				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5										1.5		1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	4.5										4.5	1.5	4.5

LESSON OBJECTIVE:

This lesson introduces orientation in relation to a VOR station. VOR radial interception and tracking procedures will be introduced.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>			
<i>Review</i>			
Flight by Reference to Instruments			<input type="text"/>
<i>Introduce and Practice (Full Panel)</i>			
VOR			
Orientation			<input type="text"/>
Radial Interception			<input type="text"/>
Tracking			<input type="text"/>
<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

The student should demonstrate an understanding of the procedures used to perform VOR orientation, intercepting and tracking.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #305				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	2.0		2.0									1.0	2.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	6.5		2.0								4.5	2.5	6.5

LESSON OBJECTIVE:

During this lesson, the student will review VFR cross country procedures, takeoffs and landings and emergencies. The flight will include a landing more that 50NM from the point of departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion		Short-Field Takeoff and Climb	
Weather Information		Short-Field Approach and Landing	
National Airspace System		Soft-Field Takeoff and Climb	
Performance and limitations		Soft-Field Approach and Landing	
VFR Cross Country Flight Planning			
Lost Procedures		VFR Cross-Country, >50 NM (enter below)	
		Route:	
Review and Practice			
VFR Cross Country		Landings at:	
Pilotage			
Dead Reckoning			
VOR Navigation			
Ground Speed Check and ETA			
Use of VFR Cross Country Log			
Pattern Entry and Departure			
Emergency Operations			
Diversions			
		Post Flight Discussion	

COMPLETION STANDARDS:

This lesson is complete when the student meets or exceeds the Private Pilot (ASEL) Practical Test Standards for cross-countries, takeoffs and landings.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #306				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	2.0		2.0										2.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	8.5		4.0								4.5	2.5	8.5

LESSON OBJECTIVE:

During this solo cross-country flight lesson, the student will develop cross-country proficiency and confidence. The flight will include a landing at a point more that 50NM from the original point of departure.

LESSON CONTENT					
Subject	Grade	Subject	Grade		
<i>Preflight Discussion</i>		VFR Cross-Country, > 50NM (Enter Below): Route:			
<i>Practice</i>		<table border="1" style="width: 100%;"><tr><td> </td></tr><tr><td> </td></tr></table>			
Preflight Planning		Landings at:			
Obtaining and Assessing Weather Info.		<table border="1" style="width: 100%;"><tr><td> </td></tr><tr><td> </td></tr></table>			
Completing Performance Calculations					
Determining Route and Altitude		Secondary Route:			
Completing Cross-Country Log		<table border="1" style="width: 100%;"><tr><td> </td></tr><tr><td> </td></tr></table>			
Filing Flight Plan		Landings at:			
Dead Reckoning		<table border="1" style="width: 100%;"><tr><td> </td></tr><tr><td> </td></tr></table>			
Pilotage					
VOR Navigation		Instructor Signature:			
Ground Speed and ETA Calculations		<table border="1" style="width: 100%;"><tr><td> </td></tr></table>			
		Date:			
		<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned solo cross-country flight. During this flight, the student should demonstrate added skill in flight planning, check point selection, altitude selection, fuel planning and landings at points more that 50NM away.

REMARKS:

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #309				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required		4.0	Dual	Solo	4.0	Dual	Solo		Dual	Solo			4.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	13.5	4.0	9.0	4.0							4.5	2.5	17.5

LESSON OBJECTIVE:

During this solo cross-country flight lesson, the student will develop cross-country proficiency and confidence. The flight will include a landing at a point more that 50NM from the original point of departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion		VFR Cross-Country, > 50NM (Enter Below):	
Practice		Route:	
Preflight Planning		Landings at:	
Obtaining and Assessing Weather Info.			
Completing Performance Calculations		Secondary Route:	
Determining Route and Altitude		Landings at:	
Completing Cross-Country Log			
Filing Flight Plan		Instructor Signature:	
Dead Reckoning		Date:	
Pilotage			
VOR Navigation			
Ground Speed and ETA Calculations			
Post Flight Discussion			

COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned solo cross-country flight. During this flight, the student should demonstrate added skill in flight planning, check point selection, altitude selection, fuel planning and landings at points more that 50NM away.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #310				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required		4.0		4.0									4.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	13.5	8.0	9.0	8.0							4.5	2.5	21.5

LESSON OBJECTIVE:

During this solo cross-country flight lesson, the student will develop cross-country proficiency and confidence. The flight will include a landing at a point more that 50NM from the original point of departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		VFR Cross-Country, > 50NM (Enter Below):	
<i>Practice</i>		Route:	
Preflight Planning			
Obtaining and Assessing Weather Info.		Landings at:	
Completing Performance Calculations			
Determining Route and Altitude		Secondary Route:	
Completing Cross-Country Log			
Filing Flight Plan		Landings at:	
Dead Reckoning			
Pilotage			
VOR Navigation		Instructor Signature:	
Ground Speed and ETA Calculations			
		Date:	
<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned solo cross-country flight. During this flight, the student should demonstrate added skill in flight planning, check point selection, altitude selection, fuel planning and landings at points more that 50NM away.

REMARKS: _____

 Student Signature

 Instructor Signature / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #311				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required		4.0	Dual	Solo	Dual	Solo		Dual	Solo				4.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	13.5	12.0	9.0	12.0							4.5	2.5	25.5

LESSON OBJECTIVE:

During this solo cross-country flight lesson, the student will develop cross-country proficiency and confidence. The flight will include a landing at a point more that 50NM from the original point of departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		VFR Cross-Country, > 50NM (Enter Below):	
<p align="center"><i>Practice</i></p> Preflight Planning Obtaining and Assessing Weather Info. Completing Performance Calculations Determining Route and Altitude Completing Cross-Country Log Filing Flight Plan Dead Reckoning Pilotage VOR Navigation Ground Speed and ETA Calculations		Route:	
		Landings at:	
		Secondary Route:	
		Landings at:	
		Instructor Signature:	
		Date:	

COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned solo cross-country flight. During this flight, the student should demonstrate added skill in flight planning, check point selection, altitude selection, fuel planning and landings at points more that 50NM away.

REMARKS: _____

 Student Signature

 Instructor Signature / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL:

N

TIME LOG	STAGE I CHECK							FLIGHT LESSON #314				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	18.0	19.0	12.0	19.0							4.5	2.5	37.0

LESSON OBJECTIVE:

The objective of this stage check , conducted by a Chief Flight Instructor of Assistant Chief Flight Instructor, is to evaluate the student’s cross-country skills to ensure the student is prepared for the next stage of training.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion & Check</i>		<i>Post Flight Discussion</i>	
Preflight Planning			
Obtaining and Assessing Weather Info.			
Completing Performance Calculations			
Determining Route and Altitude			
Completing Cross-Country Log			
Filing Flight Plan			
Dead Reckoning			
Pilotage			
VOR Navigation			
Ground Speed and ETA Calculations			
Completing Cross-Country Log			
Emergency Procedures			
Diversion/Lost Procedure			

COMPLETION STANDARDS:

The student shall exceed the standards for navigation as specified in the current FAA Private Pilot (ASEL) Practical Test Standards.

REMARKS:

Student Signature

Instructor Signature

Print Name

STAGE II

STAGE OBJECTIVE

The objective of Stage II is to broaden the student's knowledge of VFR night cross-country flying.

STAGE COMPLETION STANDARDS

At the completion of this stage the student shall demonstrate knowledge and skill exceeding that specified in the current Private Pilot (ASEL) Practical Test Standards for the following Areas of Operations:

- (1) Navigation
- (2) Night Operations

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #315				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	19.5	19.0	12.0	19.0							4.5	2.5	38.5

LESSON OBJECTIVE:

During this lesson, the student will review private pilot maneuvers.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion & Check</i>			
<i>Review</i>			
Normal and Crosswind Takeoff and Climb			
Steep Turns			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Emergency Approach and Landing			
Normal and Crosswind Approach and Landing			
<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

This lesson is complete when the student meets or exceeds the standards listed in the current FAA Private Pilot (ASEL) Practical Test Standards for the listed maneuvers.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								GROUND LESSON #316				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required			Dual	Solo	Dual	Solo		Dual	Solo			1.0	
Lesson Total													
Amount Forward													
Total to Date													
Required Total	19.5	19.0	12.0	19.0							4.5	3.5	38.5

LESSON OBJECTIVE:

During this ground lesson, the student will be introduced to night flying practices and procedures.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Introduce</i>			
Night Vision			
Pilot Equipment			
Airplane Lighting and Equipment			
Airport and Navigation Lights			
Preparation and Preflight			
Starting, Taxiing and Runup			
Takeoff and Departure Climb			
Orientation and Navigation			
Landing Approaches and Landing			
Night Emergencies			

COMPLETION STANDARDS:

At the completion of this lesson, the student should have a complete understanding of night flying practices and procedures.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #317				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5				Dual	Solo							1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	21.0	19.0	12.0	19.0	1.5						4.5	3.5	40.0

LESSON OBJECTIVE:

During this lesson, the student will gain proficiency and confidence flying in the night environment.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>			
<i>Practice</i>			
Normal and Crosswind Takeoffs and Climbs			
Night Takeoffs and Landings			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Steep Turns			
<i>Post Flight Discussion</i>			
Note: Complete at least 5 Takeoffs and Landings to a Full Stop			

COMPLETION STANDARDS:

At the completion of this lesson, the student should be able to conduct takeoffs and landings in the night environment with minimal assistance from the instructor.

REMARKS: _____

 Student Signature _____ Instructor Signature _____ / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #318				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5				1.5								1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	22.5	19.0	12.0	19.0	3.0						4.5	3.5	41.5

LESSON OBJECTIVE:

During this lesson, the student will gain proficiency and confidence flying in the night environment.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
Practice			
Normal and Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Soft-Field Takeoffs and Climbs			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Steep Turns			
Normal and Crosswind Approaches to Land			
Short-Field Approaches and Landings			
Soft-Field Approaches and Landings			
Note: Complete at least 5 Takeoffs and Landings to a Full Stop			

COMPLETION STANDARDS:

At the completion of this lesson, the student should be able to conduct takeoffs and landings in the night environment with no assistance from the instructor.

REMARKS: _____

Student Signature

Instructor Signature / _____
Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #320				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required		1.5					1.5	5					1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	25.5	20.5	15.0	19.0	6.0	1.5	5				4.5	3.5	46.0

LESSON OBJECTIVE:

During this lesson, the student will gain proficiency and confidence flying in the night environment.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
Practice			
Normal and Crosswind Takeoffs and Climbs			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Steep Turns			
Normal and Crosswind Approaches to Land			
<p>Note: Takeoffs and landings must be conducted at an airport with an operating control tower.</p>			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall be competent in night operations.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #323				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required	1.5										1.5		1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	27.0	24.0	15.0	22.5	6.0	5.0	10				6.0	3.5	51.0

LESSON OBJECTIVE:

During this lesson, the student will review VFR daytime maneuvers with an emphasis on airwork.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>			
<i>Review</i>			
Normal and Crosswind Takeoff and Climb			
Steep Turns			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Emergency Approach and Landings			
Normal and Crosswind Approach and Landing			
<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

This lesson is complete when the student meets or exceeds the standards listed in the current FAA Private Pilot (ASEL) Practical Test Standards for the listed maneuvers.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #325				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required		4.0		4.0									4.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	31.0	28.0	19.0	26.5	6.0	5.0	10				6.0	3.5	59.0

LESSON OBJECTIVE:

During this solo cross-country flight lesson, the student will develop cross-country proficiency and confidence. The flight will include a landing at a point more that 50NM from the original point of departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		VFR Cross-Country, > 50NM (Enter Below):	
		Route:	
		Landings at:	
		Secondary Route:	
		Landings at:	
		Instructor Signature:	
		Date:	
		<i>Post Flight Discussion</i>	

COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned solo cross-country flight. During this flight, the student should demonstrate added skill in flight planning, check point selection, altitude selection, fuel planning and landings at points more that 50NM away.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #326				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	2.0										2.0		2.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	33.0	28.0	19.0	26.5	6.0	5.0	10				8.0	3.5	61.0

LESSON OBJECTIVE:

During this dual cross-country flight lesson, the student will develop additional IFR cross-country proficiency and confidence. The flight will include a landing at a point >50NM from departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion		IFR Cross-Country, > 50NM (Enter Below):	
		Route:	
		Landings at:	
		Secondary Route:	
		Landings at:	
		Instructor Signature:	
		Date:	
Post Flight Discussion			

COMPLETION STANDARDS:

If the student already holds an instrument airplane rating, all aspects of this lesson must meet the applicable standards in the current FAA Instrument Rating Practical Test Standards. If the student is not yet instrument rated, this lesson is complete upon demonstration of increasing ability.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #329				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	41.0	28.0	24.0	26.5	6.0	5.0	10			6.1	8.0	3.5	69.0

LESSON OBJECTIVE:

During this lesson, the student will review cross-country navigation and flight in preparation for the stage check.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
Practice			
Preflight Planning			
Obtaining and Assessing Weather Info.			
Completing Performance Calculations			
Determining Route and Altitude			
Completing Cross-Country Log			
Filing Flight Plan			
Dead Reckoning			
Pilotage			
VOR Navigation			
Ground Speed and ETA Calculations			
Completing Cross-Country Log			
Diversion			
Lost Procedures			

COMPLETION STANDARDS:

The student shall meet or exceed the navigation standards as specified in the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	STAGE II CHECK							FLIGHT LESSON #330				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	42.5	28.0	24.0	26.5	6.0	5.0	10			6.1	8.0	3.5	70.5

LESSON OBJECTIVE:

During this stage check, the Chief Flight Instructor or Assistant Chief Flight Instructor will evaluate the student's proficiency in cross-country navigation and flying.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
<i>Practice</i>			
Preflight Planning			
Obtaining and Assessing Weather Info.			
Completing Performance Calculations			
Determining Route and Altitude			
Completing Cross-Country Log			
Filing Flight Plan			
Dead Reckoning			
Pilotage			
VOR Navigation			
Ground Speed and ETA Calculations			
Completing Cross-Country Log			
Diversion			
Lost Procedures			

COMPLETION STANDARDS:

The student shall meet or exceed the navigation standards as specified in the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

STAGE III

STAGE OBJECTIVE

The objective of Stage III is to introduce the student to commercial maneuvers.

STAGE COMPLETION STANDARDS

At the completion of this stage the student shall demonstrate knowledge and skill of commercial maneuvers as specified in the current FAA Commercial Pilot (Airplane) Practical Test Standards.

TECH AVIATION FLIGHT SCHOOL , INC.
Commercial Pilot Certification Course-ASEL **Flight Training Syllabus**

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								GROUND LESSON #401				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required												1.0	
Lesson Total													
Amount Forward													
Total to Date													
Required Total	42.5	28.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	70.5

LESSON OBJECTIVE:

During this ground lesson, the student will be introduced to commercial maneuvers.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>			
Commercial Pilot (ASEL) PTS	<input type="text"/>		

COMPLETION STANDARDS:

At the completion of this lesson, the student should have a basic understanding of commercial maneuvers and testing standards.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #402				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	44.0	28.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	72.0

LESSON OBJECTIVE:

During this flight lesson, the student will be introduced to commercial maneuvers. The student will also begin to develop precise airplane control when operating near the performance limits.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Introduce and Practice			
Takeoffs, Landings and Go-Arounds			
Normal and Crosswind Takeoff and Climb			
Normal and Crosswind Approach and Landing			
Short-field Takeoff and Climb			
Short-field Approach and Landing			
Soft-field Takeoff and Climb			
Soft-field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Steep Turns			

COMPLETION STANDARDS:

At the completion of this lesson, the student should demonstrate a basic understanding of entry, performance, and recovery from steep turns. The student should also display an increased knowledge of stall recognition and recovery and increased proficiency in executing specialty takeoffs and landings

REMARKS:

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #403				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required	1.5		Dual	Solo	Dual	Solo		Dual	Solo				1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	45.5	28.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	73.5

LESSON OBJECTIVE:

During this flight lesson, the student will be introduced to lazy eights and chandelles, in flight. Additionally the student will review and practice other commercial maneuvers. The student will continue to develop precise control when operating near the performance limits of the airplane

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure			
Review		Introduce	
Takeoffs, Landings and Go-Arounds		Lazy Eights	
Normal and Crosswind Takeoff and Climb		Chandelles	
Normal and Crosswind App. and Landing			
Short-field Takeoff and Climb			
Short-field Approach and Landing			
Soft-field Takeoff and Climb			
Soft-field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Steep Turns			
		Post Flight Discussion	

COMPLETION STANDARDS:

At the completion of this lesson, the student should demonstrate a basic understanding of entry, performance, and recovery from lazy eights and chandelles. The student should also display an increased ability in other maneuvers. (Short Field Landings:<200', Normal Landing:<300')

REMARKS:

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL:

N

TIME LOG								FLIGHT LESSON #405				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required		1.5											1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	47.0	29.5	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	76.5

LESSON OBJECTIVE:

During this flight lesson, the student will review and practice basic and advanced commercial maneuvers. The student will also develop additional coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Takeoffs, Landings and Go-Arounds			
Normal and Crosswind Takeoff and Climb			
Normal and Crosswind App. and Landing			
Short-field Takeoff and Climb			
Short-field Approach and Landing			
Soft-field Takeoff and Climb			
Soft-field Approach and Landing			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Lazy Eights			
Chandelles			

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

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 #406				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	48.5	29.5	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	78.0

LESSON OBJECTIVE:

During this flight lesson, the student will be introduced, in flight, to the required commercial ground reference maneuvers, eights on pylons and steep spirals and 180 degree power-off accuracy landings. Additional maneuvers will be practiced to increase the student's proficiency.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure			
<i>Review</i>		<i>Introduce</i>	
Steep Turns	<input type="checkbox"/>	Steep Spirals	<input type="checkbox"/>
Lazy Eights	<input type="checkbox"/>	Eights On Pylons	<input type="checkbox"/>
Chandelles	<input type="checkbox"/>	180 Degree Power-Off Accuracy Landing	<input type="checkbox"/>
Post Flight Discussion			

COMPLETION STANDARDS:

At the completion of this lesson, the student should demonstrate the correct procedures for performing chandelles and lazy eights. The student should also demonstrate basic understanding of steep spirals and eights on pylons.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #407				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	50.0	29.5	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	79.5

LESSON OBJECTIVE:

During this flight lesson, the student will practice basic and advanced flight maneuvers to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
<i>Review</i>			
Steep Turns			
Lazy Eights			
Chandelles			
Steep Spirals			
Eights On Pylons			
180 Degree Power-Off Accuracy Landings			

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL:

N

TIME LOG								FLIGHT LESSON #408				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required		1.5											1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	50.0	31.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	81.0

LESSON OBJECTIVE:

During this flight lesson, the student will practice basic and advanced flight maneuvers to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Takeoffs, Landings and Go-Arounds			
Normal and Crosswind App. And Landing			
Normal and Crosswind Takeoff and Climb			
Short Field Takeoff and Climb			
Short Field Approach and Landing			
Soft Field Takeoff and Climb			
Soft Field Approach and Landing			
180 Degree Power-Off Accuracy Landings			
Steep Turns			
Lazy Eights			
Chandelles			
Steep Spirals			
Eights On Pylons			

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #409				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	51.5	31.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	82.5

LESSON OBJECTIVE:

During this flight lesson, the student will be introduced to emergency operations and review all other maneuvers.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure			
Review		Introduce	
Steep Turns	<input type="checkbox"/>	Emergency Operations	<input type="checkbox"/>
Lazy Eights	<input type="checkbox"/>	Emergency Descent	<input type="checkbox"/>
Chandelles	<input type="checkbox"/>	Emergency Landing	<input type="checkbox"/>
Steep Spirals	<input type="checkbox"/>	System and Equipment Malfunctions	<input type="checkbox"/>
Eights On Pylons	<input type="checkbox"/>	Emergency Equipment and Survival Gear	<input type="checkbox"/>
180 Degree Power-Off Accuracy Landings	<input type="checkbox"/>		
Post Flight Discussion			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall demonstrate increased proficiency in the listed maneuvers.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #410				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required		1.5											1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	51.5	32.5	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	84.0

LESSON OBJECTIVE:

During this flight lesson, the student will practice basic and advanced maneuvers to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure			
Review			
Takeoffs, Landings and Go-Arounds		Power-Off Stalls	
Normal and Crosswind App. And Landing		Power-On Stalls	
Normal and Crosswind Takeoff and Climb			
Short Field Takeoff and Climb			
Short Field Approach and Landing			
Soft Field Takeoff and Climb			
Soft Field Approach and Landing			
180 Degree Power-Off Accuracy Landings			
Steep Turns			
Lazy Eights			
Chandelles			
Steep Spirals			
Eights On Pylons			
Maneuvering During Slow Flight			
Post Flight Discussion			

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

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GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #412				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	53.0	34.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	87.0

LESSON OBJECTIVE:

During this flight lesson, the student will review all maneuvers, and an evaluation of progress will be made. If the student does not meet appropriate PTS standards, additional dual and/or solo practice must be assigned. Normal and Emergency operations are reviewed to increase judgment.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure			
Review			
Takeoffs, Landings and Go-Arounds		Power-Off Stalls	
Normal and Crosswind App. And Landing		Power-On Stalls	
Normal and Crosswind Takeoff and Climb		Emergency Operations	
Short Field Takeoff and Climb		Emergency Approach and Landing	
Short Field Approach and Landing		System and Equipment Malfunctions	
Soft Field Takeoff and Climb		Emergency Equipment and Survival Gear	
Soft Field Approach and Landing			
180 Degree Power-Off Accuracy Landings			
Steep Turns			
Lazy Eights			
Chandelles			
Steep Spirals			
Eights On Pylons			
Maneuvering During Slow Flight			
Post Flight Discussion			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall demonstrate competency in the commercial maneuvers specified.

REMARKS:

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG	STAGE III CHECK							FLIGHT LESSON #413				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5												1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	54.5	34.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	88.5

LESSON OBJECTIVE:

During this stage check, the Chief Flight Instructor or Assistant Chief Flight Instructor will evaluate the student's proficiency in commercial maneuvers.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure			
Review			
Takeoffs, Landings and Go-Arounds		Maneuvering During Slow Flight	
Normal and Crosswind App. And Landing		Power-Off Stalls	
Normal and Crosswind Takeoff and Climb		Power-On Stalls	
Short Field Takeoff and Climb		Emergency Operations	
Short Field Approach and Landing		Emergency Approach and Landing	
Soft Field Takeoff and Climb		System and Equipment Malfunctions	
Soft Field Approach and Landing		Emergency Equipment and Survival Gear	
180 Degree Power-Off Accuracy Landings			
Go-Around			
Steep Turns			
Lazy Eights			
Chandelles			
Steep Spirals			
Eights On Pylons			
Post Flight Discussion			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall demonstrate competency in the commercial maneuvers specified.

REMARKS: _____

 Student Signature _____ Instructor Signature _____ / _____ Print Name _____

STAGE IV

STAGE OBJECTIVE

The objective of Stage IV is to introduce the student to the operations of complex aircraft..

STAGE COMPLETION STANDARDS

At the completion of this stage the student shall demonstrate knowledge and the ability to operate complex aircraft as specified in the current FAA Commercial Pilot (Airplane) Practical Test Standards.

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DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								GROUND LESSON #414				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required												1.5	
Lesson Total													
Amount Forward													
Total to Date													
Required Total	54.5	34.0	24.0	26.5	6.0	5.0	10			6.1	8.0	6.0	88.5

LESSON OBJECTIVE:

During this ground lesson, the student will be introduced to complex aircraft systems and flight operations.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Introduce			
Specific Aircraft Pilot Operating Handbook			
General			
Limitations			
Emergency Procedures			
Normal Procedures			
Performance			
Weight and Balance			
Description and Operation of Airplane and systems			
Airplane Handling, Service & Maintenance Supplements			
Actual Aircraft Preflight Inspection			

COMPLETION STANDARDS:

At the completion of this lesson, the student should be familiar with the complex aircraft systems and flight operations.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #415				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required	1.5										1.5		1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	56.0	34.0	24.0	26.5	6.0	5.0	10			6.1	9.5	6.0	90.0

LESSON OBJECTIVE:

During this flight lesson, the student will be introduced to complex aircraft systems and flight operations.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		Use of Constant Speed Propeller	
		Use of Retractable Landing Gear and Flaps	
<i>Review</i>			
Preflight Inspection	<input type="checkbox"/>		
<i>Introduce</i>		<i>Post Flight Discussion</i>	
Preflight Procedure			
Cockpit Management	<input type="checkbox"/>		
Engine Starting	<input type="checkbox"/>		
Taxiing	<input type="checkbox"/>		
Before Takeoff Check	<input type="checkbox"/>		
Takeoffs, Landings and Go-Arounds	<input type="checkbox"/>		
Normal and Crosswind Takeoffs and Climbs	<input type="checkbox"/>		
Normal and Crosswind Approach and Landing	<input type="checkbox"/>		
Climbs and Descents	<input type="checkbox"/>		
Cruise Procedures	<input type="checkbox"/>		
Power Setting and Mixture Leaning	<input type="checkbox"/>		

COMPLETION STANDARDS:

At the completion of this lesson, the student shall be able to accomplish the preflight inspection without instructor assistance.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #416				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required	1.5										1.5		1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	57.5	34.0	24.0	26.5	6.0	5.0	10			6.1	11.0	6.0	91.5

LESSON OBJECTIVE:

During this flight lesson, the student will be introduced to complex aircraft systems and flight operations.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		Power-Off Stalls	
<i>Review</i>		<i>Post Flight Discussion</i>	
Takeoffs, Landings and Go-Arounds	<input type="checkbox"/>		
Normal and Crosswind Takeoffs and Climbs	<input type="checkbox"/>		
Normal and Crosswind Approach and Landing	<input type="checkbox"/>		
Climbs and Descents	<input type="checkbox"/>		
Cruise Procedures	<input type="checkbox"/>		
Power Setting and Mixture Leaning	<input type="checkbox"/>		
Use of Constant Speed Propeller	<input type="checkbox"/>		
Use of Retractable Landing Gear and Flaps	<input type="checkbox"/>		
<i>Introduce</i>			
Maneuvering during slow flight	<input type="checkbox"/>		
Steep Turns	<input type="checkbox"/>		
Power-On Stalls	<input type="checkbox"/>		

COMPLETION STANDARDS:

At the completion of this lesson, the student should be thoroughly familiar with the flight characteristics and systems associated with the complex airplane. The student shall be able to safely conduct unassisted normal and crosswind takeoffs and landings.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #417				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5							1.5					1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	59.0	34.0	24.0	26.5	6.0	5.0	10	1.5		6.1	11.0	6.0	93.0

LESSON OBJECTIVE:

During this lesson, the student will review basic flight procedures and emergency operations. The student will be introduced to short-field and soft-field takeoffs and landings in complex aircraft.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Introduce</i>	
<i>Review</i>			
Cruise Procedures	[]	Emergency Operations	[]
Power Settings and Mixture Leaning	[]	Emergency Descent	[]
Use of Constant-Speed Prop	[]	Emergency Approach and Landing	[]
Use of Retractable Landing Gear and Flaps	[]	System and Equipment Malfunctions	[]
Maneuvering During Slow Flight	[]	Emergency Equipment and Survival Gear	[]
Power-On Stalls	[]	Emergency Gear Extension	[]
Power-Off Stalls	[]	Landing and Takeoffs	[]
		Short-Field Takeoff and Climb	[]
		Short-Field Approach and Landing	[]
		Soft-Field Takeoff and Climb	[]
		Soft-Field Approach and Landing	[]
		Go-Around	[]
<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

At the completion of this lesson, the student should be thoroughly familiar with the flight characteristics, systems and emergency operations associated with the complex airplane. The student shall demonstrate pilot-in-command proficiency and ability to perform all maneuvers without instructor assistance. The student will receive an endorsement from the instructor indicating approval for operations of a complex airplane (14 CFR Part 61.31(e)).

REMARKS: _____

 Student Signature

 Instructor Signature / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #418				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo		Dual	Solo				
Required	1.0							1.0					1.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	60.0	34.0	24.0	26.5	6.0	5.0	10	2.5		6.1	11.0	6.0	94.0

LESSON OBJECTIVE:

During this lesson, the student will review and practice flight maneuvers to increase proficiency in a complex airplane.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Takeoffs, Landings and Go-Arounds			
Normal and Crosswind Takeoffs and Climbs			
Normal and Crosswind Approach and Landing			
Climbs and Descents			
Cruise Procedures			
Power Setting and Mixture Leaning			
Use of Constant Speed Propeller			
Use of Retractable Landing Gear and Flaps			
Maneuvering during slow flight			
Steep Turns			
Power-On Stalls			
Short-Field Takeoff and Climb			
Short-Field Approach and Landing			

COMPLETION STANDARDS:

This lesson is complete when the student has accomplished a solo review of each of the listed maneuvers.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #419				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5							1.5					1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	61.5	34.0	24.0	26.5	6.0	5.0	10	4.0		6.1	11.0	6.0	95.5

LESSON OBJECTIVE:

During this lesson, the student will review and practice flight maneuvers to increase proficiency in a complex airplane.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Takeoffs, Landings and Go-Arounds	<input type="checkbox"/>		
Normal and Crosswind Takeoffs and Climbs	<input type="checkbox"/>		
Normal and Crosswind Approach and Landing	<input type="checkbox"/>		
Climbs and Descents	<input type="checkbox"/>		
Cruise Procedures	<input type="checkbox"/>		
Power Setting and Mixture Leaning	<input type="checkbox"/>		
Use of Constant Speed Propeller	<input type="checkbox"/>		
Use of Retractable Landing Gear and Flaps	<input type="checkbox"/>		
Maneuvering during slow flight	<input type="checkbox"/>		
Steep Turns	<input type="checkbox"/>		
Power-On Stalls	<input type="checkbox"/>		
Short-Field Takeoff and Climb	<input type="checkbox"/>		
Short-Field Approach and Landing	<input type="checkbox"/>		

COMPLETION STANDARDS:

This lesson is complete when the student has accomplished a solo review of each of the listed maneuvers.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #420				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.0							1.0				0.5	1.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	62.5	34.0	24.0	26.5	6.0	5.0	10	5.0		6.1	11.0	6.5	96.5

LESSON OBJECTIVE:

During this lesson, the student will review and emergency flight procedures as well as takeoffs and landings in the complex aircraft in preparation for the Stage IV Check.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure		Soft-Field Approach and Landing	
Review		Emergency Operations	
Takeoffs, Landings and Go-Arounds		Emergency Approach and Landing	
Normal and Crosswind Takeoffs and Climbs		Emergency Equipment and Survival Gear	
Normal and Crosswind Approach and Landing		System and Equipment Malfunctions	
Climbs and Descents		Emergency Gear Extension	
Cruise Procedures		Post Flight Discussion	
Power Setting and Mixture Leaning			
Use of Constant Speed Propeller			
Use of Retractable Landing Gear and Flaps			
Maneuvering during slow flight			
Steep Turns			
Power-On Stalls			
Short-Field Takeoff and Climb			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			

COMPLETION STANDARDS:

This lesson is complete when the student shall continue to demonstrate thorough familiarity with the flight characteristics, operation of systems & emergency operations with complex aircraft.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG	STAGE IV CHECK							FLIGHT LESSON #421				Total Flight		
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground	
Required	1.0								1.0				0.5	1.0
Lesson Total														
Amount Forward														
Total to Date														
Required Total	63.5	34.0	24.0	26.5	6.0	5.0	10		6.0		6.1	11.0	7.0	97.5

LESSON OBJECTIVE:

During this stage check, the Chief Flight Instructor, Assistant Chief Flight Instructor, or designated Check Instructor will evaluate the student's proficiency in complex aircraft operation.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		Soft-Field Approach and Landing	
		Emergency Operations	
<i>Review</i>		Emergency Approach and Landing	
Takeoffs, Landings and Go-Arounds		Emergency Equipment and Survival Gear	
Normal and Crosswind Takeoffs and Climbs		System and Equipment Malfunctions	
Normal and Crosswind Approach and Landing		Emergency Gear Extension	
Climbs and Descents			
Cruise Procedures			
Power Setting and Mixture Leaning		<i>Post Flight Discussion</i>	
Use of Constant Speed Propeller			
Use of Retractable Landing Gear and Flaps			
Maneuvering during slow flight			
Steep Turns			
Power-On Stalls			
Short-Field Takeoff and Climb			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall demonstrate competency in takeoffs, landings, and appropriate emergency procedures.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

STAGE V

STAGE OBJECTIVE

The objective of Stage V is to prepare the student for the FAA Commercial Pilot (ASEL) Practical Test.

STAGE COMPLETION STANDARDS

At the completion of this stage, the student shall demonstrate the ability to satisfactorily perform all tasks specified in the current FAA Commercial Pilot (Airplane) Practical Test Standards.

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DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								GROUND LESSON #422				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required												1.0	
Lesson Total													
Amount Forward													
Total to Date													
Required Total	63.5	34.0	24.0	26.5	6.0	5.0	10	6.0		6.1	11.0	8.0	97.5

LESSON OBJECTIVE:

During this ground lesson, the student will review commercial maneuvers and emergency operations in preparation for the course completion check. In addition, IFR cross-country procedures will be reviewed in preparation for the next flight lesson.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>			
IFR Enroute Procedures			
IFR Approaches			
Commercial Maneuvers			
Emergency Procedures			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall thoroughly understand all tasks required in the practical test. The student should also exhibit appropriate knowledge relative to Instrument tasks.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

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GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #423				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required	3.0		3.0					3.0		2.8			3.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	66.5	34.0	27.0	26.5	6.0	5.0	10	9.0		8.9	11.0	8.0	100.5

LESSON OBJECTIVE:

During this lesson, the student will conduct an IFR cross-country flight in a complex aircraft.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure		IFR Cross-Country, >100NM (please enter below):	
Practice			
Preflight Planning		Route:	
Obtaining and Assessing Weather Info.			
Complete Performance Calculation			
Determining Route and Altitude		Landings at:	
Completing Cross-Country Log			
Filing Flight Plan			
Performance of Ground Speed & ETA Checks			
IFR Enroute Procedures			
ILS Approaches			
VOR Approach			
Completion of Cross-Country Log			
		Post Flight Discussion	

COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned cross-country flight. During this flight, the student shall show added skill in cross-country planning. Additionally, fuel planning will be accurate and allow for required reserves.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.
Commercial Pilot Certification Course-ASEL **Flight Training Syllabus**

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____ N

TIME LOG								FLIGHT LESSON #424				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.0							1.0					1.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	67.5	34.0	27.0	26.5	6.0	5.0	10	10.0		8.9	11.0	8.0	101.5

LESSON OBJECTIVE:

During this lesson, the student will review commercial maneuvers in a complex aircraft.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Normal and Crosswind Takeoff and Climb			
Normal and Crosswind Approach and Landing			
Chandelles			
Lazy Eights			
Eights on Pylons			
Steep Spirals			
180 Degree Power-Off Accuracy Landing			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall be able to perform commercial maneuvers in a complex aircraft safely without instructor assistance.

REMARKS: _____

 Student Signature / Instructor Signature / Print Name

TECH AVIATION FLIGHT SCHOOL , INC.
Commercial Pilot Certification Course-ASEL **Flight Training Syllabus**

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #425				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.0							1.0					1.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	68.5	34.0	27.0	26.5	6.0	5.0	10	11.0		8.9	11.0	8.0	102.5

LESSON OBJECTIVE:

During this lesson, the student will review commercial maneuvers in a complex aircraft.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Normal and Crosswind Takeoff and Climb			
Normal and Crosswind Approach and Landing			
Chandelles			
Lazy Eights			
Eights on Pylons			
Steep Spirals			

COMPLETION STANDARDS:

The student shall safely complete the assigned maneuvers.

REMARKS: _____

 Student Signature

 Instructor Signature

/ _____
 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #426				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5							1.5					1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	70.0	34.0	27.0	26.5	6.0	5.0	10	12.5		8.9	11.0	8.0	104.0

LESSON OBJECTIVE:

During this lesson, the student will review all commercial maneuvers. The student's progress will be evaluated and a determination made whether additional dual instruction is necessary prior to the subsequent solo practice.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		Eights on Pylons	
		Steep Spirals	
<i>Review</i>		180 Degree Power-Off Accuracy Landing	
Takeoffs, Landings & Go-Arounds			
Normal & Crosswind Takeoffs and Climbs			
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stall			
Power-On Stall			
Steep Turns			
Chandelles			
Lazy Eights			
		<i>Post Flight Discussion</i>	

COMPLETION STANDARDS:

At the completion of this lesson, the student should demonstrate a level of performance close to the standards in the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #427				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required		1.5							1.5				1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	70.0	35.5	27.0	26.5	6.0	5.0	10	12.5	1.5	8.9	11.0	8.0	105.5

LESSON OBJECTIVE:

During this lesson, the student will practice basic and advanced flight maneuvers to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		Eights on Pylons	
		Steep Spirals	
<i>Review</i>			
Takeoffs, Landings & Go-Arounds			
Normal & Crosswind Takeoffs and Climbs			
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stall			
Power-On Stall			
Steep Turns			
Chandelles			
Lazy Eights			
		<i>Post Flight Discussion</i>	

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #428				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required		1.5							1.5				1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	70.0	37.0	27.0	26.5	6.0	5.0	10	12.5	3.0	8.9	11.0	8.0	107.0

LESSON OBJECTIVE:

During this lesson, the student will practice basic and advanced flight maneuvers to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		Eights on Pylons	
		Steep Spirals	
<i>Review</i>			
Takeoffs, Landings & Go-Arounds			
Normal & Crosswind Takeoffs and Climbs			
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stall			
Power-On Stall			
Steep Turns			
Chandelles			
Lazy Eights			
		<i>Post Flight Discussion</i>	

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

Student Signature _____

Instructor Signature _____

/ _____
 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #429				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5							1.5					1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	71.5	37.0	27.0	26.5	6.0	5.0	10	14.0	3.0	8.9	11.0	8.0	108.5

LESSON OBJECTIVE:

During this lesson, the student will practice basic and advanced flight maneuvers in a complex aircraft to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure		Emergency Operations	
Review		Emergency Approach and Landing	
Takeoffs, Landings & Go-Arounds		System and Equipment Malfunctions	
Normal & Crosswind Takeoffs and Climbs		Emergency Equipment and Survival Gear	
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Steep Turns			
Chandelles			
Lazy Eights			
Eights on Pylons			
Steep Spirals			
		Post Flight Discussion	

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #430				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo			Dual	Solo			
Required		1.5							1.5				1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	71.5	38.5	27.0	26.5	6.0	5.0	10	14.0	4.5	8.9	11.0	8.0	110.0

LESSON OBJECTIVE:

During this lesson, the student will practice basic and advanced flight maneuvers in a complex aircraft to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Takeoffs, Landings & Go-Arounds			
Normal & Crosswind Takeoffs and Climbs			
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stall			
Power-On Stall			
Steep Turns			

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG								FLIGHT LESSON #431				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5							1.5					1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	73.0	38.5	27.0	26.5	6.0	5.0	10	15.5	4.5	8.9	11.0	8.0	111.5

LESSON OBJECTIVE:

During this lesson, the student will be evaluated on all maneuvers. A decision will be made whether additional instruction on any of the maneuvers is necessary.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		Eights on Pylons	
		Steep Spirals	
<i>Review</i>		180 Degree Power-Off Accuracy Landing	
Takeoffs, Landings & Go-Arounds			
Normal & Crosswind Takeoffs and Climbs			
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stall			
Power-On Stall			
Steep Turns			
Chandelles			
Lazy Eights			
		<i>Post Flight Discussion</i>	

COMPLETION STANDARDS:

At the completion of this lesson, the student shall demonstrate a level of performance close to the standards listed in the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #432				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required		1.5							1.5				1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	73.0	40.0	27.0	26.5	6.0	5.0	10	15.5	6.0	8.9	11.0	8.0	113.0

LESSON OBJECTIVE:

During this lesson, the student will practice basic and advanced flight maneuvers to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Takeoffs, Landings & Go-Arounds			
Normal & Crosswind Takeoffs and Climbs			
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Chandelles			
Lazy Eights			
Eights on Pylons			
Steep Spirals			

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

 Student Signature

 Instructor Signature / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #433				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required		1.5							1.5				1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	73.0	41.5	27.0	26.5	6.0	5.0	10	15.5	7.5	8.9	11.0	8.0	114.5

LESSON OBJECTIVE:

During this lesson, the student will practice basic and advanced flight maneuvers to further develop coordination and airplane control.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
Review			
Takeoffs, Landings & Go-Arounds			
Normal & Crosswind Takeoffs and Climbs			
Normal & Crosswind Takeoffs and Climbs			
Short-Field Takeoffs and Climbs			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
Maneuvering During Slow Flight			
Power-Off Stalls			
Power-On Stalls			
Steep Turns			

COMPLETION STANDARDS:

The student should gain proficiency in the planning and execution of each maneuver.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								FLIGHT LESSON #434				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.0							1.0					1.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	74.0	41.5	27.0	26.5	6.0	5.0	10	16.5	7.5	8.9	11.0	8.0	115.5

LESSON OBJECTIVE:

During this lesson, the student will review normal and emergency flight procedures as well as takeoffs and landings in the complex aircraft.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Procedure		Emergency Operations	
Review		Emergency Approach and Landing	
Normal and Crosswind Takeoff and Climb		System and Equipment Malfunctions	
Normal and Crosswind Approach and Landing		Emergency Equipment and Survival Gear	
Climbs and Descents		Emergency Gear Extension	
Cruise Procedures		Post Flight Discussion	
Power Settings and Mixture Leaning			
Use of Retractable Landing Gear and Flaps			
Use of Constant-Speed Propeller			
Short-Field Takeoff and Climb			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
Go-Around			
180 Degree Power-Off Accuracy Landing			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall be thoroughly familiar with the flight characteristics, operation of systems, and emergency operations associated with the complex airplane. The student shall demonstrate pilot-in-command proficiency and perform to the standards as specified in the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS: _____

 Student Signature

 Instructor Signature / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG								GROUND LESSON #435				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required												2.0	
Lesson Total													
Amount Forward													
Total to Date													
Required Total	74.0	41.5	27.0	26.5	6.0	5.0	10	16.5	7.5	8.9	11.0	10.0	115.5

LESSON OBJECTIVE:

During this ground lesson conducted by the flight instructor, reviews preflight tasks in preparation for the end of course stage check. In addition, documents and endorsement review.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Review</i>			
Preflight Preparation			
Certificates and Documents			
Weather Information			
Cross-Country Flight Planning			
National Airspace System			
Performance and Limitations			
Operation of Systems			
Aeromedical Factors			
Physiological Aspects of Night Flying			
Lighting and Equipment for Night Flying			

COMPLETION STANDARDS:

At the completion of this lesson, the student shall display a complete understanding of the preflight area of operations and meet the proficiency required by the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL:

N

TIME LOG								FLIGHT LESSON #436				Total Flight	
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		Ground
Required	1.5							1.5					1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	75.5	41.5	27.0	26.5	6.0	5.0	10	18.0	7.5	8.9	11.0	10.0	117.0

LESSON OBJECTIVE:

This lesson reviews previous maneuvers in preparation for the stage check /end-of-course check.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion		Ground Reference Maneuvers	
Review		Eights on Pylons	
Preflight Procedures		Navigation	
Preflight Inspection		Pilotage and Dead Reckoning	
Cockpit Management		Navigation Systems & ATC Radar Services	
Engine Starting		Diversions	
Taxiing		Lost Procedures	
Before Takeoff Check		Slow Flight and Stalls	
Airport Operations		Maneuvering During Slow Flight	
Radio Communication & ATC Light Signals		Power-Off Stalls	
Traffic Patterns		Power-On Stalls	
Airport Markings, Signs & Lighting		Spin Awareness	
Takeoffs, Landings & Go-Arounds		Emergency Operations	
Normal and Crosswind Takeoff and Climb		Emergency Approach and Landing	
Normal and Crosswind Appr. & Landing		Emergency Equipment and Survival Gear	
Short-Field Takeoff and Climb		System and Equipment Malfunctions	
Short-Field Approach and Landing		High Altitude Operations	
Soft-Field Takeoff and Climb		Supplemental Oxygen	
Soft-Field Approach and Landing		Pressurization	
Performance Maneuvers		Post Flight Procedures	
Step Turns		After Landing	
Step Spirals		Parking and Securing	
		Post-Flight Discussion	

LESSON 436 continued

COMPLETION STANDARDS:

The student's performance during each task shall meet the proficiency required by the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS:

Student Signature

Instructor Signature

/ _____
Print Name

TECH AVIATION FLIGHT SCHOOL , INC.

Commercial Pilot Certification Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL:

N

TIME LOG								FLIGHT LESSON #437				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo Ldg's	Complex		IFR	ATD		
Required	1.5							1.5				2.0	1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	77.0	41.5	27.0	26.5	6.0	5.0	10	19.5	7.5	8.9	11.0	12.0	118.5

LESSON OBJECTIVE:

This lesson reviews previous maneuvers in preparation for the stage check /end-of-course check.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		Performance Maneuvers	
		Chandelles	
<i>Review</i>		Lazy Eights	
Preflight Preparation		Ground Reference Maneuvers	
Certificates and Documents		Eights on Pylons	
Weather Information		180 Degree Power-Off Accuracy Landing	
Cross-Country Flight Planning		Navigation	
National Airspace System		Pilotage and Dead Reckoning	
Performance and Limitations		Navigation Systems & ATC Radar Services	
Operation of Systems		Diversions	
Aeromedical Factors		Lost Procedures	
Physiological Aspects of Night Flying		Slow Flight and Stalls	
Lighting and Equipment for Night Flying		Maneuvering During Slow Flight	
Preflight Procedures		Power-Off Stalls	
Preflight Inspection		Power-On Stalls	
Cockpit Management		Spin Awareness	
Engine Starting		Emergency Operations	
Taxiing		Emergency Approach and Landing	
Before Takeoff Check		Emergency Equipment and Survival Gear	
Airport Operations		System and Equipment Malfunctions	
Radio Communication & ATC Light Signals		High Altitude Operations	
Traffic Patterns		Supplemental Oxygen	
Airport Markings, Signs & Lighting		Pressurization	
Takeoffs, Landings & Go-Arounds		Post Flight Procedures	
Normal and Crosswind Takeoff and Climb		After Landing	
Normal and Crosswind Appr. & Landing		Parking and Securing	
Short-Field Takeoff and Climb			
Short-Field Approach and Landing			
Soft-Field Takeoff and Climb			
Soft-Field Approach and Landing			
		<i>Post-Flight Discussion</i>	

TECH AVIATION FLIGHT SCHOOL, INC.

Commercial Pilot Certification Course-ASEL

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DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N

TIME LOG	STAGE V CHECK/END-OF-COURSE							FLIGHT LESSON #438				Ground	Total Flight
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	1.5							1.5				2.0	1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	78.5	41.5	27.0	26.5	6.0	5.0	10	21.0	7.5	8.9	11.0	14.0	120.0

LESSON OBJECTIVE:

This stage check/end-of-course test will be conducted by the Chief or Assistant Chief Flight Instructor. The student's ability to safely act as a commercial pilot will be assessed.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		180 Degree Power-Off Accuracy Landing	
<i>Review</i>		Performance Maneuvers	
Preflight Preparation		Steep Turns	
Certificates and Documents		Chandelles	
Weather Information		Lazy Eights	
Cross-Country Flight Planning		Steep Spiral	
National Airspace System		Ground Reference Maneuvers	
Performance and Limitations		Eights on Pylons	
Operation of Systems		Navigation	
Aeromedical Factors		Pilotage and Dead Reckoning	
Physiological Aspects of Night Flying		Navigation Systems & ATC Radar Services	
Lighting and Equipment for Night Flying		Diversions	
Preflight Procedures		Lost Procedures	
Preflight Inspection		Slow Flight and Stalls	
Cockpit Management		Maneuvering During Slow Flight	
Engine Starting		Power-Off Stalls	
Taxiing		Power-On Stalls	
Before Takeoff Check		Spin Awareness	
Airport Operations		Emergency Operations	
Radio Communication & ATC Light Signals		Emergency Approach and Landing	
Traffic Patterns		Emergency Equipment and Survival Gear	
Airport Markings, Signs & Lighting		System and Equipment Malfunctions	
Takeoffs, Landings & Go-Arounds		Emergency Descent	
Normal and Crosswind Takeoff and Climb		High Altitude Operations	
Normal and Crosswind Appr. & Landing		Supplemental Oxygen	
Short-Field Takeoff and Climb		Pressurization	
Short-Field Approach and Landing		Post Flight Procedures	
Soft-Field Takeoff and Climb		After Landing	
Soft-Field Approach and Landing		Parking and Securing	
		<i>Post-Flight Discussion</i>	

LESSON 438 continued

COMPLETION STANDARDS:

At the completion of this flight, the student shall demonstrate the necessary knowledge and skill to operate safely as a commercial pilot. The student's performance during each task shall meet the proficiency required by the current FAA Commercial Pilot (ASEL) Practical Test Standards.

REMARKS:

Student Signature

Instructor Signature

/_____
Print Name