



**Commercial Pilot  
Certification Course  
(ASEL)  
Flight Training Syllabus  
FAR Part 141**

**TECH AVIATION FLIGHT SCHOOL, INC.**

**APPROVED SCHOOL CERTIFICATE #TVMS353S**

**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 141, Appendix D. Its design will allow an appropriately rated Private Pilot (see enrollment requirements, page 3) to acquire the proficiency and experience needed to meet the certification requirements for a U.S. FAA Commercial Pilot Certificate (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 consisting of 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, the following minimum training must be accomplished:

		Cross Country		Night		Solo	Complex					Total
Dual	Solo	Dual	Solo	Dual	Solo	Ldg's	Dual	Solo	IFR	ATD	Ground	Flight
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

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

The flight instructor will assign a grade of Satisfactory (S), Unsatisfactory (U), or Incomplete (I) to each element within a lesson and an S, U, or I for the overall lesson grade.

Each lesson contains an outline with a detailed sequence of elements that the student must successfully complete during the lesson. If a lesson is not completed for any reason, additional time will be required to complete those elements graded I or U. A lesson is completed only when all elements of that lesson are graded S.

Each stage contains a stage check at the end to check the student's progress. Each stage check must be satisfactorily completed before the student may continue training in the next stage. The final lesson of the flight training syllabus is the end-of-course check. 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**

- I. 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.
  
- II. GROUND TRAINING REQUIREMENTS:** The applicant must successfully complete all required ground training lessons including the Final Stage Check.
  
- III. FLIGHT TRAINING REQUIREMENTS:** The applicant must successfully complete all flight training lessons, stage checks, and end of course tests.
  
- IV. 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 at least 18 years of age;
  - c.** Be able to read, speak, write, and understand the English language;
  - d.** Complete all ground training requirements;
  - e.** Complete all flight training requirements; and
  - f.** Hold a valid FAA medical certificate.

# 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				
<b>COMMERCIAL STAGE I</b>																	
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
<b>STAGE I TOTAL:</b>						18.0	19.0	12.0	19.0						4.5	2.5	37.0
<b>COMMERCIAL STAGE II</b>																	
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
<b>STAGE II TOTAL:</b>						24.5	9.0	12.0	7.5	6.0	5.0	10		6.1	3.5	1.0	33.5
<b>OVERALL TOTAL:</b>						42.5	28.0	24.0	26.5	6.0	5.0	10		6.1	8.0	3.5	70.5

√ Stage Check

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#	Date	Aircraft	Total Time	Grade	Dual	Solo	X Country		Night		Solo LDGs	Complex		IFR	ATD	Grd	Req. Total
							Dual	Solo	Dual	Solo		Dual	Solo				
<b>COMMERCIAL STAGE III</b>																	
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
<b>COMMERCIAL STAGE IV</b>																	
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

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## Flight Training Syllabus

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#	Date	Aircraft	Total Time	Grade	Dual	Solo	X Country		Night		Solo LDGs	Complex		IFR	ATD	Grd	Req. Total
							Dual	Solo	Dual	Solo		Dual	Solo				
<b>COMMERCIAL STAGE V</b>																	
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

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**TECH AVIATION FLIGHT SCHOOL, INC.**

**Commercial Pilot Certification Course-ASEL**

**Flight Training Syllabus**

**ADDITIONAL FLIGHT TRAINING WORKSHEET**

LESSON #	DATE	AIRCRAFT #	TIME FLOWN	GROUND TIME	GRADE



**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 practice basic attitude instrument flight 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.

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

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

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

N \_\_\_\_\_

TIME LOG								GROUND LESSON #301				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
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
<b>Introduce</b>		Airspace, Obstructions, and Terrain Features	
Preflight Preparation		Selection of:	
Airworthiness of Aircraft		- En Route Checkpoints	
-Certificates and Documents		- Favorable Altitudes of Flight Levels	
-Logbooks		- Appropriate Navigation System/Facilities	
-Airworthiness Directives (AD)		- Communication Frequencies	
-Transponder / Pitot-Static / ELT Checks		Navigation Log	
-Annual / 100 Hour Checks		Filing a VFR Flight Plan	
Operation of Systems		<b>Flight by Reference to Instruments</b>	
Aeromedical Factors		Flight Instruments	
Preflight Procedures		Basic Attitude Instrument Flying	
<b>Cross-Country Planning</b>		VOR Navigation	
Weight and Balance			
Weather Information			
Performance and Limitations			
Current Aeronautical Charts			

### 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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #302				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	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
<i>Preflight Discussion</i>			
<i>Review</i>			
Airport Operations			
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 Procedures			
<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 applicable maneuvers.

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

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

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

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

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

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

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

**N** \_\_\_\_\_

TIME LOG								FLIGHT LESSON #303				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	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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #304				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	4.5										4.5	1.5

**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
<b><i>Preflight Discussion</i></b>			
<b><i>Review</i></b>			
Flight by Reference to Instruments		<input type="checkbox"/>	
<b><i>Introduce and Practice (Full Panel)</i></b>			
VOR			
Orientation		<input type="checkbox"/>	
Radial Interception		<input type="checkbox"/>	
Tracking		<input type="checkbox"/>	
<b><i>Post Flight Discussion</i></b>			

**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

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## Commercial Pilot Certification Course-ASEL

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #305				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									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 than 50NM from the point of departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>			
Weather Information		Short-Field Takeoff and Climb	
National Airspace System		Short-Field Approach and Landing	
Performance and limitations		Soft-Field Takeoff and Climb	
VFR Cross Country Flight Planning		Soft-Field Approach and Landing	
Lost Procedures		VFR Cross-Country, >50 NM (enter below)	
		Route: _____	
<b>Review and Practice</b>			
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			
		<b>Post Flight Discussion</b>	

### 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):	
<i>Practice</i>		Route:	
Preflight Planning		Landings at:	
Obtaining and Assessing Weather Info.			
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

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

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

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

N \_\_\_\_\_

TIME LOG	FLIGHT LESSON #307										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	10.5		6.0								4.5	2.5	10.5

**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		Landings at:	
Obtaining and Assessing Weather Info.			
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

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

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

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

N \_\_\_\_\_

TIME LOG									FLIGHT LESSON #308				
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD	Ground	Total Flight
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	3.0		3.0										3.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	13.5		9.0								4.5	2.5	13.5

### LESSON OBJECTIVE:

During this cross-country flight lesson, the student will gain experience in planning and flying a cross-country flight with a landing at a point more than 100NM from the original point of departure.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		VFR Cross-Country, > 100NM (Enter Below):	
		Route: _____	
		_____	
<i>Practice</i>		Landings at: _____	
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		_____	
		<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 100NM away.

*Note: This lesson complies with the requirements of 14 CFR Part 141, Appendix D 4(b)(1)(iii).*

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

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

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

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

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## 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	Complex		IFR		ATD	Ground
Required		4.0	Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
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
<b>Preflight Discussion</b>		VFR Cross-Country, > 50NM (Enter Below):	
<b>Practice</b>		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		Instructor Signature:	
VOR Navigation			
Ground Speed and ETA Calculations		Date:	
<b>Post Flight Discussion</b>			

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

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

### 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 #312				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	3.0		3.0										3.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	16.5	12.0	12.0	12.0							4.5	2.5	28.5

**LESSON OBJECTIVE:**

During this cross-country flight lesson, the student will gain experience in planning and flying a cross-country flight with a landing at a point more than 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			
Completing Cross-Country Log			
Filing Flight Plan			
Dead Reckoning			
Pilotage			
VOR Navigation			
Ground Speed and ETA Calculations			
Completing Cross-Country Log			
			<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 #313				Total Flight		
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR		ATD	Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required		7.0		7.0									7.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	16.5	19.0	12.0	19.0							4.5	2.5	35.5

**LESSON OBJECTIVE:**

During this cross-country flight lesson, the student will gain experience in planning and flying a long cross-country flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		VFR Cross-Country, > 250NM (Enter Below):	
<b>Practice</b>		Route:	
Preflight Planning		Landings at:	
Obtaining and Assessing Weather Info.			
Completing Performance Calculations			
Determining Route and Altitude		Secondary Route:	
Completing Cross-Country Log		Landings at:	
Filing Flight Plan			
Dead Reckoning		Instructor Signature:	
Pilotage		Date:	
VOR Navigation			
Ground Speed and ETA Calculations			
<b>Post Flight Discussion</b>			

**COMPLETION STANDARDS:**

This lesson is complete when the student has conducted the assigned solo cross-country flight with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 250NM.

*Note: This lesson complies with the requirements of 14 CFR Part 141, Appendix D (5)(a)(2).*

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

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

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

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

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

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

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

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

N \_\_\_\_\_

TIME LOG	STAGE I CHECK							FLIGHT LESSON #314				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	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 &amp; 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



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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #315				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	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
<b>Preflight Discussion &amp; Check</b>			
<b>Review</b>			
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			
<b>Post Flight Discussion</b>			

### 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

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

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

N \_\_\_\_\_

TIME LOG								GROUND LESSON #316				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required												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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #317				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	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	<table border="1" style="margin: auto;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>								
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	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	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>	
<i>Practice</i>			
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.**

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

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

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

N \_\_\_\_\_

TIME LOG							FLIGHT LESSON #319						
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD	Ground	Total Flight
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	3.0		3.0		3.0								3.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	25.5	19.0	15.0	19.0	6.0						4.5	3.5	44.5

**LESSON OBJECTIVE:**

During this cross-country lesson, the student will gain experience in planning and flying a night cross-country flight with a landing at a point more than 100NM from the original departure point.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		Night VFR Cross-Country, > 100NM (Enter Below):	
		Route:	
		Landings at:	
<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			
		<i>Post Flight Discussion</i>	

**COMPLETION STANDARDS:**

This lesson is complete when the student has conducted the assigned cross-country flight with a landing at a point more than 100NM from the original departure point. All night landings shall be conducted safely and without instructor assistance.

*Note: This lesson complies with the requirements of 14 CFR Part 141, Appendix D (4)(b)(1)(iv).*

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

\_\_\_\_\_

\_\_\_\_\_

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

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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #320				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	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>	
<i>Practice</i>			
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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #321				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	3						2.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	25.5	22.5	15.0	21.0	6.0	3.5	8				4.5	3.5	48.0

### LESSON OBJECTIVE:

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

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>		VFR Night Cross-Country, > 50NM (Enter Below):	
<b>Practice</b> 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:	
		Date:	
<b>Post Flight Discussion</b>			
Note: Takeoffs and Landings must be conducted at an airport with an operating control tower.			

### COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned solo night 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 than 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 #322				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	2						1.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	25.5	24.0	15.0	22.5	6.0	5.0	10				4.5	3.5	49.5

### LESSON OBJECTIVE:

During this solo night 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
<b>Preflight Discussion</b>		VFR Night Cross-Country, > 50NM (Enter Below):	
<b>Practice</b>		Route:	
Preflight Planning		Landings at:	
Obtaining and Assessing Weather Info.			
Completing Performance Calculations			
Determining Route and Altitude		Secondary Route:	
Completing Cross-Country Log		Landings at:	
Filing Flight Plan			
Dead Reckoning		Instructor Signature:	
Pilotage		Date:	
VOR Navigation			
Ground Speed and ETA Calculations			
<b>Post Flight Discussion</b>			
Note: Takeoffs and Landings must be conducted at an airport with an operating control tower.			

### COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned solo night 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 #323				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	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
<b><i>Preflight Discussion</i></b>			
<b><i>Review</i></b>			
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			
<b><i>Post Flight Discussion</i></b>			

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #324				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	24.0	19.0	22.5	6.0	5.0	10				6.0	3.5	55.0

### LESSON OBJECTIVE:

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

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

### COMPLETION STANDARDS:

This lesson is complete when the student has conducted the assigned dual 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 than 50NM away.

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

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

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

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

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

**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 #326				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	33.0	28.0	19.0	26.5	6.0	5.0	10				8.0	3.5	61.0

### LESSON OBJECTIVE:

During this lesson, the student will develop additional IFR proficiency and confidence.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<b>Preflight Discussion</b>			
<b>Practice</b>			
Preflight Planning			
Obtaining and Assessing Weather Info.			
Completing Performance Calculations			
Determining Route and Altitude			
Completing Cross-Country Log			
Filing Flight Plan			
VOR Navigation			
Ground Speed and ETA Calculations			
Non-precision Approach			
Precision Approach			
Completing Cross-Country Log			
<b>Post Flight Discussion</b>			

### 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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #327				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
Required	2.5		2.5							2.3			2.5
Lesson Total													
Amount Forward													
Total to Date													
Required Total	35.5	28.0	21.5	26.5	6.0	5.0	10			2.3	8.0	3.5	63.5

### 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
<i>Preflight Discussion</i>		IFR Cross-Country, > 50NM (Enter Below):	
<i>Practice</i>		Route:	
Preflight Planning		Landings at:	
Obtaining and Assessing Weather Info.			
Completing Performance Calculations			
Determining Route and Altitude		Secondary Route:	
Completing Cross-Country Log		Landings at:	
Filing Flight Plan			
VOR Navigation			
Ground Speed and ETA Calculations		Instructor Signature:	
Non-precision Approach			
Precision Approach		Date:	
Completing Cross-Country Log			
		<i>Post Flight Discussion</i>	

### COMPLETION STANDARDS:

This lesson is complete when the student demonstrates increased ability in IFR cross-countries.

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

\_\_\_\_\_

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

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

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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #328					
	Dual	Solo	Cross Country		Night		Solo	Complex				Ground	Total Flight
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo	IFR	ATD		
Required	4.0		2.5							3.8			4.0
Lesson Total													
Amount Forward													
Total to Date													
Required Total	39.5	28.0	24.0	26.5	6.0	5.0	10			6.1	8.0	3.5	67.5

### LESSON OBJECTIVE:

During this 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.

<b>LESSON CONTENT</b>			
Subject	Grade	Subject	Grade
<p style="text-align:center;"><b>Preflight Discussion</b></p> <p style="text-align:center;"><b>Practice</b></p> <ul style="list-style-type: none"> <li>Preflight Planning</li> <li>  Obtaining and Assessing Weather Info.</li> <li>  Completing Performance Calculations</li> <li>  Determining Route and Altitude</li> <li>  Completing Cross-Country Log</li> <li>  Filing Flight Plan</li> <li>VOR Navigation</li> <li>Completing Cross-Country Log</li> </ul>		<p>IFR Cross-Country, &gt; 50NM (Enter Below):</p> <div style="border: 1px solid black; padding: 2px;">Route: _____</div> <div style="border: 1px solid black; padding: 2px;">_____</div> <p>Landings at: _____</p> <div style="border: 1px solid black; padding: 2px;">_____</div> <div style="border: 1px solid black; padding: 2px;">_____</div> <div style="border: 1px solid black; padding: 2px;">Secondary Route: _____</div> <div style="border: 1px solid black; padding: 2px;">_____</div> <p>Landings at: _____</p> <div style="border: 1px solid black; padding: 2px;">_____</div> <div style="border: 1px solid black; padding: 2px;">_____</div> <p>Instructor Signature: _____</p> <div style="border: 1px solid black; padding: 2px;">_____</div> <p>Date: _____</p> <p style="text-align:right;"><b>Post Flight Discussion</b></p>	

### COMPLETION STANDARDS:

This lesson is complete when the student demonstrates increased ability in IFR cross-countries.

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

\_\_\_\_\_

\_\_\_\_\_

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

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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #329				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	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>	
<b>Practice</b>			
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

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

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

N \_\_\_\_\_

TIME LOG	STAGE II CHECK							FLIGHT LESSON #330				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	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>	
<b>Practice</b>			
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.

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

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

N \_\_\_\_\_

TIME LOG								GROUND LESSON #401				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			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

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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>	
<b>Introduce and Practice</b>			
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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #403				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	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
<b>Preflight Procedure</b>			
<b>Review</b>		<b>Introduce</b>	
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			
		<b>Post Flight Discussion</b>	

**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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #404				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	28.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	75.0

### 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>	
<b>Review</b>			
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			
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

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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>	
<b>Review</b>			
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

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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
<b>Preflight Procedure</b>			
<b>Review</b>		<b>Introduce</b>	
Performance Maneuvers	<input type="checkbox"/>	Steep Spirals	<input type="checkbox"/>
Steep Turns	<input type="checkbox"/>	Eights On Pylons	<input type="checkbox"/>
Lazy Eights	<input type="checkbox"/>	180 Degree Power-Off Accuracy Landing	<input type="checkbox"/>
Chandelles	<input type="checkbox"/>		
<b>Post Flight Discussion</b>			

### 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**

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #407				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	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



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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #408				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	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>	
<b>Review</b>			
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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #409				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	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
<b>Preflight Procedure</b>			
<b>Review</b>		<b>Introduce</b>	
Steep Turns		Emergency Operations	
Lazy Eights		Emergency Descent	
Chandelles		Emergency Landing	
Steep Spirals		System and Equipment Malfunctions	
Eights On Pylons		Emergency Equipment and Survival Gear	
180 Degree Power-Off Accuracy Landings			
<b>Post Flight Discussion</b>			

### 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

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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
<b>Preflight Procedure</b>			
<b>Review</b>			
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			
		<b>Post Flight Discussion</b>	

**COMPLETION STANDARDS:**

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

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

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

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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #411				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	34.0	24.0	26.5	6.0	5.0	10			6.1	8.0	4.5	85.5

**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
<i>Preflight Procedure</i>		<i>Post Flight Discussion</i>	
<i>Review</i>			
Eights On Pylons			
Steep Turns			
Lazy Eights			
Chandelles			
Steep Spirals			
180 Degree Power Off Accuracy Landing			

**COMPLETION STANDARDS:**

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

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

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

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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #412				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	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
<b>Preflight Procedure</b>			
<b>Review</b>			
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			
		<b>Post Flight Discussion</b>	

**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

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

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

N \_\_\_\_\_

TIME LOG	STAGE III CHECK							FLIGHT LESSON #413				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	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
<b>Preflight Procedure</b>			
<b>Review</b>			
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			
		<b>Post Flight Discussion</b>	

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

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

N \_\_\_\_\_

TIME LOG								GROUND LESSON #414				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			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>	
<i>Introduce</i>			
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			
High Altitude Operations			
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



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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #415				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	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>Introduce</i> Engine Starting Before Takeoff Check 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			
		<i>Post Flight Discussion</i>	

### COMPLETION STANDARDS:

At the completion of this lesson, the student should be familiar with the flight characteristics and systems associated with the complex airplane.

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

\_\_\_\_\_

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

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

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #416				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	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 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 Gear Extension	
Power-On Stalls			
Power-Off Stalls			
Go-Around		<i>Post Flight Discussion</i>	

### COMPLETION STANDARDS:

At the completion of this lesson, the student should be familiar with the flight characteristics, systems and emergency operations associated with the complex airplane and be ready to transition from the ATD to the aircraft.

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

\_\_\_\_\_

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

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

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

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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	<input type="checkbox"/>	Emergency Operations	<input type="checkbox"/>
Power Settings and Mixture Leaning	<input type="checkbox"/>	Emergency Descent	<input type="checkbox"/>
Use of Constant-Speed Prop	<input type="checkbox"/>	Emergency Approach and Landing	<input type="checkbox"/>
Use of Retractable Landing Gear and Flaps	<input type="checkbox"/>	System and Equipment Malfunctions	<input type="checkbox"/>
Maneuvering During Slow Flight	<input type="checkbox"/>	Emergency Equipment and Survival Gear	<input type="checkbox"/>
Power-On Stalls	<input type="checkbox"/>	Emergency Gear Extension	<input type="checkbox"/>
Power-Off Stalls	<input type="checkbox"/>	Landing and Takeoffs	<input type="checkbox"/>
		Short-Field Takeoff and Climb	<input type="checkbox"/>
		Short-Field Approach and Landing	<input type="checkbox"/>
		Soft-Field Takeoff and Climb	<input type="checkbox"/>
		Soft-Field Approach and Landing	<input type="checkbox"/>
		Go-Around	<input type="checkbox"/>
<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

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

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

**N** \_\_\_\_\_

TIME LOG								FLIGHT LESSON #418				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	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>	
<b>Review</b>			
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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #419				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	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>	
<b>Review</b>			
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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #420					
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD	Ground	Total Flight
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
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
<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:

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

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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			
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			
		<i>Post Flight Discussion</i>	

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

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

N \_\_\_\_\_

TIME LOG								GROUND LESSON #422				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			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		<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>					
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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #423				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
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
<b>Preflight Procedure</b>		IFR Cross-Country, >100NM (please enter below):	
<b>Practice</b>			
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			
		<b>Post Flight Discussion</b>	

**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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #424				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			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>	
<b>Review</b>			
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

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

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

**N** \_\_\_\_\_

TIME LOG								FLIGHT LESSON #425				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
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>	
<i>Review</i>			
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

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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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #427				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	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

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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
<b>Preflight Procedure</b>		Eights on Pylons	
		Steep Spirals	
<b>Review</b>			
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			
		<b>Post Flight Discussion</b>	

**COMPLETION STANDARDS:**

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

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

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

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

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

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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
<i>Preflight Procedure</i>		Emergency Operations	
		Emergency Approach and Landing	
		System and Equipment Malfunctions	
		Emergency Equipment and Survival Gear	
<i>Review</i>		<i>Post Flight Discussion</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			
Steep Turns			
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



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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #430				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	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>	
<b>Review</b>			
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

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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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #432				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	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>	
<b>Review</b>			
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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #433				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	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>	
<b>Review</b>			
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

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## Flight Training Syllabus

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

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

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

N \_\_\_\_\_

TIME LOG								FLIGHT LESSON #434				Total Flight	
	Dual	Solo	Cross Country		Night		Solo	Complex		IFR	ATD		Ground
			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
<b>Preflight Procedure</b>		Emergency Operations	
		Emergency Approach and Landing	
<b>Review</b>		System and Equipment Malfunctions	
Normal and Crosswind Takeoff and Climb		Emergency Equipment and Survival Gear	
Normal and Crosswind Approach and Landing		Emergency Gear Extension	
Climbs and Descents			
Cruise Procedures			
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			
		<b>Post Flight Discussion</b>	

### 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	Complex		IFR	ATD		
			Dual	Solo	Dual	Solo	Ldg's	Dual	Solo				
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	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	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
<i>Preflight Discussion</i>		Ground Reference Maneuvers	
<i>Review</i>		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	
Steep Turns		After Landing	
Steep Spirals		Parking and Securing	
		<i>Post-Flight Discussion</i>	

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

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

**LESSON 437 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:** \_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
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 V CHECK/END-OF-COURSE							FLIGHT LESSON #438				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				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
<b>Preflight Discussion</b>		180 Degree Power-Off Accuracy Landing	
<b>Review</b>		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	
		<b>Post-Flight Discussion</b>	

**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. **To be eligible to take the FAA Commercial Pilot Practical Test, the applicant must have completed 3.0 hours of dual instruction in preparation for the Practical Test within the last 60 Days.**

**REMARKS:**

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

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

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

LIST OF EFFECTIVE PAGES

SECTION:	PAGE:	TITLE:	REV #:	DATE:
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	2 of 2	List of Effective Pages	Orig	03/01/2008
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I	15 of 15	Lesson # 314 Stage Check	Orig	03/01/2008
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II	12 of 17	Lesson # 360	Orig	03/01/2008
II	13 of 17	Lesson # 361	Orig	03/01/2008
II	14 of 17	Lesson # 362	Orig	03/01/2008
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V	5 of 21	Lesson #425	Orig	03/01/2008
V	6 of 21	Lesson #426	Orig	03/01/2008
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V	9 of 21	Lesson #429	Orig	03/01/2008
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V	12 of 21	Lesson #432	Orig	03/01/2008
V	13 of 21	Lesson #433	Orig	03/01/2008
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Appendix A	1 of 1	Enrollment/Graduation Certif.	Orig	03/01/2008

# This is to Certify That

\_\_\_\_\_ is enrolled in the  
Federal Aviation Administration  
Approved 141 \_\_\_\_\_ Course  
conducted by Tech Aviation Flight School.

\_\_\_\_\_  
Enrollment Date

\_\_\_\_\_  
Chief Flight Instructor

# This is to Certify That

\_\_\_\_\_ has successfully completed all stages, tests, and  
course requirements and has graduated from the  
Federal Aviation Administration  
Approved 141 \_\_\_\_\_ Course  
conducted by Tech Aviation Flight School.

The graduate has completed the cross-country training specified in FAR Part 141.

\_\_\_ Private Pilot Certificate Course- Appendix B, Paragraph 4 and 5

\_\_\_ Instrument Rating Course- Appendix C, Paragraph 4(c)(1)(ii)

\_\_\_ Commercial Pilot Certification Course- Appendix D, paragraphs 4 and 5

\_\_\_ Other: \_\_\_\_\_

I certify the above statements are true.

\_\_\_\_\_  
Chief Instructor  
School Certificate # TVMS 353S

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

