

North Coast Flight School Inc.



Commercial Airplane Training Course Outline

ASEL

Commercial Pilot Course

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North Coast Flight School Inc.

Training Course Outline

This Training Course Outline (TCO) meets the requirements of 14 CFR 141.55.

North Coast Flight School Inc. is located at Erie International Airport (KERI), in Erie, Pennsylvania. It is owned and operated by Gregory S. Hayes. The flight school is operated as:

North Coast Flight School Inc.
1605 Asbury Road
Erie, PA 16505

1. **Course Title:** Commercial Pilot - Airplane Single Engine Land
2. **Course Objective:** The Commercial Pilot Course objective is to provide the student with the knowledge, skill, and aeronautical experience necessary to meet all requirements for a Commercial Pilot Certificate with an Airplane Category and a Single Engine, Land Class rating.
3. **Course Prerequisites:** A prospective student for a Commercial Pilot certificate must hold at least a Private Pilot certificate, except that the Commercial Pilot ground school may be conducted prior to Private Pilot certification. They must also possess a valid medical certificate or comply with Basic Med rules. The applicant must be able to read, speak, and understand the English language.
4. **Approved Training Course Syllabus:** North Coast Flight School uses the Jeppesen 141 Commercial Pilot Syllabus, and the Jeppesen Commercial Pilot Student Record to document each lesson. Each lesson is fully described within the syllabus, including the objectives, standards, and measurable units of accomplishment and learning. The stage objectives and standards are described at the beginning of each stage within the syllabus. See Appendix A for a breakdown of flight and ground school times in the Jeppesen Training Syllabus. Please note that Appendix A gives only guidance in achieving regulatory compliance. This training course meets all of the curriculum requirements for the Commercial Pilot Certificate course contained in 14 CFR Part 141, Appendix D.

5. **Grading:** All flight maneuvers performed will be assigned numeric grades as described below in the Student Record:
 - 1 = Excellent. Student demonstrates procedural, manipulative, and perceptual skills at least equal to the instructor.
 - 2 = Above Average. Student demonstrates procedural, manipulative, and perceptual skills approaching that of the instructor.
 - 3 = Average. Student demonstrates procedural, manipulative, and perceptual skills exceeding the minimum standards of acceptability.
 - 4 = Below Average. Student demonstrates procedural, manipulative, and perceptual skills marginally equal to the minimum standards of acceptability.
 - 5 = Below Acceptable Standards. Student demonstrates procedural, manipulative, and perceptual skills which do not equal the minimum standards of acceptability.

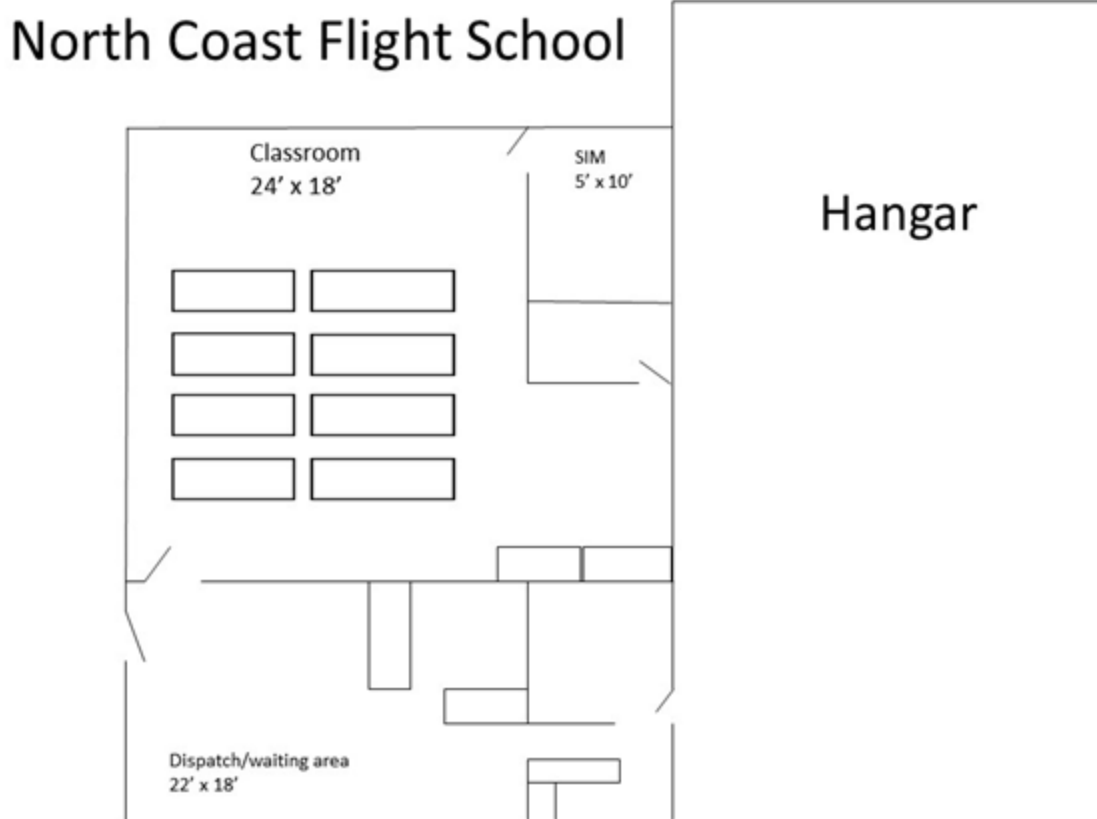
6. **Completion Standards:** The student must demonstrate, through written tests, flight tests, and appropriate ground and flight records, that he/she meets the knowledge, skill, and experience requirements to acquire a Commercial Pilot Certificate. The student must also show that he/she will continue to exercise those privileges in a safe manner within FAA Regulations. North Coast Flight School Inc. uses the Jeppesen training syllabus which provides the expected standards and accomplishments. The Jeppesen syllabus includes a description of the completion standards and checks and tests to be used to measure the student's accomplishments during training. All written stage tests must be passed with a minimum score of 80% before continuing to the next stages. All maneuvers on flight stage checks must be graded at a minimum of 3 before continuing to the next stage.

7. **Knowledge Tests and Practical Tests:** The FAA will administrate all Practical tests through FAA designated pilot examiners (DPE) or FAA Inspectors. The Knowledge Tests will be conducted at FAA certified knowledge testing centers.

8. **Ground School:** The ground school portion of the training will be taught by a 14 CFR Part 141 approved North Coast Flight School Inc. instructor. The students must log all of their ground school training. North Coast Flight School Inc. uses Jeppesen Text books and reference materials to supplement training. This study program meets the requirements of Appendix D, 14 CFR 141.

9. **Ground School Facility:** A ground instructional facility is used for operations with the North Coast Flight School Inc. Commercial Course. This facility is located at the Erie International airport and is highlighted below:

A 24'x18' Classroom outfitted with (2) wall-size, dry erase boards, computers, WI-FI access, as well numerous classroom visual aids. This room can comfortably accommodate up to 20 individuals.



- This facility meets 14 CFR 141.45 Requirements.

- **Training Aids:**

Maps

Computers

Models

Posters - Cockpit and Weather

Assorted Aircraft Parts

White Boards

Aircraft POH's

Current FAR/AIM

Current FAA Sectionals and Low En-route Charts

Current Chart Supplements

Current FAA US Terminal Procedures Publication

Large E6-B flight computer

10. **Airport:** Erie International Airport (KERI) is the main training base for operations. Erie International is a controlled airport that has (2) hard surface runways that meet 14 CFR 141.38 for day and night operations. Dimensions are: Runway 6/24 – 8420' x150', Runway 02/20 – 3508' x150'. Fuel is provided by North Coast Air.

11. **Airport Facilities:** The ground school classroom has computers with WI-FI access for pilot resources. This area can be used for flight planning by students as well as transient pilots.

12. **Aircraft:** North Coast Flight School operates a fleet of aircraft consisting of Piper Cherokees, and a Cirrus SR20 that are all certified for day/night, IFR/VFR flight. All aircraft meet the requirements of 14 CFR 141.39. Each aircraft must be operated in accordance with the manufacturer's Pilot Operating Handbook.

13. **Simulator:** North Coast Flight School also operates a Cessna 172S Basic Aviation Training Device (BATD) that has been qualified and approved by the FAA in accordance with 14 CFR 61.4(c). This BATD may be used to satisfy limited portions of the syllabus as specified in the FAA Letter of Approval.

14. **Chief Flight Instructor:** The Chief Flight Instructor for the Commercial Course meets the requirements of 14 CFR 141.35.

Fred Morrison
(850)776-9287
freedomorr@gmail.com

The Chief Flight Instructor is responsible for certifying each student's training record, graduation certificate, stage check, end of course test report, and recommendation for course completion. The Chief Flight Instructor is also responsible for conducting flight instructor proficiency checks. The Chief Flight Instructor will always be available by phone, email, or text message.

15. **Assistant Chief Instructor:** No Assistant Chief Instructor has been assigned for this course.
16. **Check Instructors:** The check instructors that are designated to conduct stage checks, end of course checks and instructor proficiency checks must meet the requirements of 14 CFR 141.37 (a) and (b). Each check instructor must be designated in writing by the Chief Flight Instructor to conduct student stage checks, end-of- course tests, and the instructor proficiency checks.
- A check instructor may not conduct a stage check or an end-of-course test of any student for whom the check instructor has:
- (1.) Served as the principal instructor; or
 - (2.) Recommended for a stage check or end-of-course test.
17. **Minimum instructor standards:** Each flight instructor assigned to the Commercial Course must hold *at least*: a commercial pilot certificate with a Certified Flight Instructor rating in category and class.
18. **Ground Instructors:** Ground instructors must hold at least an *Advanced Ground Instructor* rating.

19. Important Numbers:

**North Coast Flight School Number: via North Coast Air (FBO)
(814) 836-9220**

**North Coast Air Maintenance & FBO
(814) 836-9220**

***Owner*
Gregory S. Hayes
(814) 434-0875**

***Chief Flight Instructor*
Fred Morrison
(850)776-9287**

***Ground Instructor*
William Colwell
(814) 384-7624**

Appendix A

Instrument/Commercial Syllabus

CURRICULUM OVERVIEW
Commercial Pilot Certification Course

Completion of this course is based solely upon compliance with the minimum requirements of FAR Part 141. The time tables are provided for guidance in achieving regulatory compliance.

GROUND TRAINING					
	Ground Lessons	Stage and End-of-Course Exams	Briefings/Debriefings	Ground Training Totals	
	STAGE IV	9.0	1.0	As Required	10.0
	STAGE V	22.0	3.0	As Required	25.0
COMM'L SINGLE ENGINE →	TOTALS	31.0	4.0	As Required	35.0
MULTI-ENGINE →	STAGE VI	9.0	2.0	4.0	15.0

NOTE: Ground lessons may include class discussion or online lessons.

FLIGHT TRAINING												
Dual							Solo					
	Day Local	Day Cross X-C	Night	Complex	Multi-Engine	Instru-ment	Dual Stage Totals	Day Local	Day Cross X-C	Night	Solo Stage Totals	Dual/Solo Comb. Totals
	STAGE IV	8.0 (8.0)	5.0 (5.0)			As Required	13.0 (13.0)		34.0*	6.0	40.0	53.0 (53.0)
	STAGE V	20.0 (14.0)		10.0 (7.0)		As Required	20.0 (14.0)	9.0			9.0	29.0 (23.0)
	STAGE VI	20.0 (12.0)	2.0 (1.0)		5.0 (3.0)	As Required	22.0 (13.0)	16.0			16.0	38.0 (29.0)
SINGLE ENGINE →	TOTALS	40.0 (26.0)	10.0 (9.0)	5.0 (5.0)	15.0 (10.0)	As Required	55.0 (40.0)	25.0	34.0*	6.0	65.0	120.0 (105.0)
MULTI-ENGINE →	STAGE VII	(9.0)	(3.0)	(3.0)	(15.0)	As Required	(15.0)					(15.0)
COMBINED →	TOTALS	40.0 (35.0)	10.0 (12.0)	5.0 (8.0)	15.0 (10.0)	(15.0)	As Required	55.0 (55.0)	25.0	34.0*	6.0	120.0 (120.0)

- NOTE: 1. * Indicates some solo cross-country hours may be used for additional dual instruction to meet the proficiency requirements for the End-of-Course Flight Check and FAA Commercial Pilot Practical Test.
 2. In blocks where two times are shown, the first time is for students taking the Commercial Pilot–Airplane Single-Engine Land Practical Test at the end of Stage VI. If the student chooses to complete the second flight time listed (shown in parentheses) for Flight Stages V and VI, the student must also complete the multi-engine flight training time in Stage VII to meet the total time required for commercial pilot certification. For example, the dual time totals for Stages IV, V, and VI are 55.0 hours for students not completing the multi-engine training and 40 hours for those who will complete the remaining 15 hours in the multi-engine airplane during Flight Stage VII. In each case, the student will receive a minimum of 55.0 hours dual.
 3. The 15 hours of flight time in Stage VII are all dual instruction in the multi-engine airplane.

COURSES OVERVIEW