



**Letter of Authorization  
Issuance and Applicability**

1. These authorizations are issued to Embry-Riddle Aeronautical University: Daytona Beach Campus, whose principal base of operation is located at:

Primary Business Address:  
1 Aerospace Boulevard  
Daytona Beach, Florida 32114-3900

2. A change in the base of operations location listed above constitutes an administrative change only to this Letter of Authorization (LOA) A001 and would not require nor preclude a new inspection or authorization.

a. The existing authorizations are still valid and not intended to be re-issued due to a change in the base of operations.

b. If the operator relocates its principal base of operations (address) listed in subparagraph 1 above, it must notify, in writing, the office of original issuance of the new location and mailing address within 30 calendar days following relocation.

3. The attached Authorizations and/or Deviations are effective as of the "Date Approval is Effective" listed in each authorizing document and those issued without an expiration date shall remain in effect as long as the party listed in subparagraph 1 above continues to meet all appropriate Parts of the CFR.

4. Responsible Person. The responsible person may be either an agent for service or a person who accepts responsibility for complying with the provisions contained within this LOA by signing this document.

(a) If the responsible person leaves or otherwise relinquishes responsibility for compliance with this LOA, the authorization holder must within 15 days provide the FAA with information regarding the new responsible person. Failure to notify the FAA will result in suspension of this authority.

(b) Enter the name, email address, and telephone number in Table 1 of the responsible person.

**Table 1 - Responsible Persons**

Name	Title	E-mail Address	Telephone Number
Kenneth P. Byrnes, Ph. D	Assistant Dean, College of Aviation	byrnesk@erau.edu	386-226-6893

HQ Control: 08/19/2013

HQ Revision: 00b



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

**14 CFR Part 61  
Training Specifications**

**This Waiver or Authorization is Issued by the Federal Aviation Administration and approved by direction of the Administrator.**



Digitally signed by Shawn M. Hayes, Manager (FS80)  
[1] EFFECTIVE DATE: 8/17/2020, [2] AMENDMENT #: 2  
DATE: 2020.08.17 08:16:31 -05:00

**I hereby accept and receive this Waiver or Authorization.**

8/20/20

Kenneth Byrnes, Assistant Dean, College of Aviation      Date



## **Letter of Authorization**

### **Authority for an Institution of Higher Education to Certify Its Graduates for an Airline Transport Pilot Certificate with Reduced Aeronautical Experience**

1. The Embry-Riddle Aeronautical University: Daytona Beach Campus is hereby approved by the Federal Aviation Administration to issue the certifying statement of authorized degree programs according to the conditions and limitations of this Letter of Authorization (LOA). Any changes to the conditions listed in subparagraphs 2 through 7 below must be immediately communicated to the FAA.

2. The Institution of Higher Education is hereby authorized to certify graduates meet the academic eligibility requirements of 14 CFR Part 61, § 61.160 (b) or (d). The Institution of Higher Education is hereby authorized to issue the following certifying statement to a qualified graduate. The certifying statement given to a graduate should only reflect the paragraph of § 61.160 that is applicable to that graduate.

a. The Embry-Riddle Aeronautical University: Daytona Beach Campus certifies that the recipient of this degree has successfully completed all of the aviation coursework requirements of 14 CFR Part 61 and therefore meets the academic eligibility requirements of *[insert the § 61.160 paragraph applicable to the graduate as authorized in subparagraph 2]*.

b. This certifying statement must be placed on the graduate's transcript.

3. An Institution of Higher Education may not certify a graduate who does not meet the requirements prescribed in § 61.160 (b), (c), or (d), as applicable. The Institution of Higher Education must conduct an individual assessment of each graduate's transcript to determine eligibility. To be eligible to receive a certifying statement, the graduate must:

a. Hold a degree with an aviation major listed in Table 1,

b. Have completed the appropriate number of credit hours of aviation and aviation-related coursework listed in Table 2. An Institution of Higher Education may not credit coursework completed at that Institution of Higher Education that is not listed in Table 2, and

c. Have completed instrument and commercial ground and flight training from the Part 141 school(s) listed in Table 3. A student may receive credit under 14 CFR Part 141, § 141.77 for training completed outside the Part 141 school(s) listed in Table 3 if all of the following conditions are met:

(1) the previous training was completed for credit hours as part of a broader academic curriculum at an Institution of Higher Education that also received authorization from the FAA to certify its graduates for an airline transport pilot (ATP) certificate with reduced aeronautical experience; and

(2) the Part 141 pilot school(s) where the training was completed is listed in Table 3 of that Institution of Higher Education's LOA; and

(3) the instrument and commercial ground and flight training coursework is listed in Table 2 of that Institution of Higher Education's LOA.



**14 CFR Part 61  
Training Specifications**

4. The following are the only Institution of Higher Education degree program(s) with the associated aviation-related coursework which qualify for the statement above:

**Table 1 - Degree Program(s) with Aviation Major**

<b>Degree</b>	<b>Major</b>
Bachelor of Science	Aeronautical Science
Bachelor of Science	Aeronautics
Bachelor of Science	Aerospace Studies
Bachelor of Science	Aviation Maintenance Science
Bachelor of Science	Air Traffic Management
Bachelor of Science	Applied Meteorology
Bachelor of Science	Operational Meteorology
Bachelor of Science	Unmanned Aircraft Systems Science
Master of Science in Aeronautics	Professional Pilot

5. The following are the only courses that are applicable towards the minimum number of credit hours for the degree program(s) with an aviation major listed in Table 1.

a. The Institution of Higher Education must ensure that a graduate obtains the minimum required number of credit hours as listed in § 61.160 (b), (c) or (d), as applicable.

**Table 2 - Authorized Aviation Coursework**

<b>Course Number</b>	<b>Course Title</b>	<b>Semester Credits</b>
AMS 118	Aircraft Familiarization and Regulations	3
AMS 274	Aircraft Turbine Powerplants and Systems	4
AMS 365	Transport Category Aircraft Systems	3
AMS 366	Transport Category Aircraft Electrical and Instrument Systems	3
AMSA 490	Aviation Technical Operations	3
AS 121	Private Pilot Operations	5
AS 130	Aeronautics I	4
AS 131	Aeronautics I	2
AS 132	Basic Aeronautics I	3
AS 133	Basic Aeronautics II	3
AS 230	Aeronautics II	3
AS 231	Aeronautics II	2
AS 232	Intermediate Aeronautics	3
AS 240	Principles of Navigation	3
AS 254	Aviation Legislation	3
AS 260	Principles of All-Weather Navigation	3



**14 CFR Part 61  
Training Specifications**

Course Number	Course Title	Semester Credits
AS 261/WX 261	Aviation Climates of the World	3
AS 270	Aeronautics III	3
AS 271	Aeronautics III	1
AS 272	Advanced Aeronautics	2
AS 309	Aerodynamics	3
AS 309 HYB	Aerodynamics	3
AS 310	Aircraft Performance	3
AS 311	Aircraft Engines - Turbine	3
AS 320	Commuter Operations	3
AS 321	Commercial Pilot Operations	3
AS 330	Aeronautics IV	3
AS 330	Transcontinental Flight Navigation	3
AS 340	Instructional Design in Aviation	3
AS 345	Multi-Engine Class Rating	1
AS 350	Domestic and International Navigation	3
AS 352/WX 352	Meteorology II	3
AS 355	Global Navigation	3
AS 356	Aircraft Systems and Components	3
AS 357	Flight Physiology	3
AS 358	Advanced Avionics	3
AS 363/WX 363	Thunderstorms	3
AS 364/WX 364	Weather for Aircrews	3
AS 370	Advanced Multi-Engine Instrument Flight	1
AS 385	Crew Resource Management	2
AS 386	Domestic and International Navigation	4
AS 387	Crew Resource Management	3
AS 387 HYB	Crew Resource Management	3
AS 402	Airline Operations	3
AS 405	Aviation Law	3
AS 408	Flight Safety	3
AS 410	Airline Dispatch Operations	3
AS 411	Jet Transport Systems	3
AS 412	Corporate/Business Aviation	3
AS 417	Flight Training Methods and Curriculum Analysis	3
AS 420	Flight Technique Analysis	3
AS 425	Autopilots and Flight Management Systems	3



**14 CFR Part 61  
Training Specifications**

Course Number	Course Title	Semester Credits
AS 426	Electronic Flight Management Systems	2
AS 430	Turboprop Techniques and Crew Procedures	2
AS 434	Airlines Operations Command and Control	3
AS 440	Crew Resource Management Skills	1
AS 452	Electronic Navigation and Flight Control	3
AS 453	High Performance Aircraft Flight Crew Procedures and Techniques	2
AS 460	International Flight Operations	3
AS 465	Advanced Multi-Engine Flight Crew Training Methods	2
AS 470	Airline Flight Crew Techniques and Procedures	2
AS 472	Operational Applications in Aeronautical Science	3
AS221	Instrument Pilot Operations	3
AS435	Electronic Flight Management Systems	3
ASCI 309	Aerodynamics (Added July 2020)	3
ASCI 357	Flight Physiology (Added July 2020)	3
ASCI 404	Applications in Aviation/Aerospace Law (Added July 2020)	3
ASCI 416	Aviation Maintenance Management: A Global Perspective (Added July 2020)	3
AT 200	Air Traffic Management I	3
AT 202	Introduction to Air Traffic Management	3
AT 202 HYB	Introduction to Air Traffic Management	3
AT 300	ATC in the National Airspace System	3
AT 302	Air Traffic Management II	3
AT 310	ATCT for Pilots	3
AT 310 HYB	Air Traffic Control Tower for Non-ATC	3
AT 363	ATC in the National Airspace System	3
CEA 396	Cooperative Education Aeronautics	1-6
CEA 397	Cooperative Education Aeronautics	1-6
CEA 496	Cooperative Education Aeronautics	1-6
CEA 497	Cooperative Education Aeronautics	1-6
CEAS 396	Cooperative Education Aeronautical Science	1-6
CEAS 397	Cooperative Education Aeronautical Science	1-6
CEAS 496	Cooperative Education Aeronautical Science	1-6
CEAS 497	Cooperative Education Aeronautical Science	1-6
CEFL 396	Cooperative Education Flight	1-6
CEFL 397	Cooperative Education Flight	1-6
CEFL 496	Cooperative Education Flight	1-6
CEFL 497	Cooperative Education Flight	1-6
FA 109	Commercial Pilot Flight Operations I	3
FA 110	Commercial Pilot Flight Operations I	6
FA 121	Private Single Flight	1



**14 CFR Part 61  
Training Specifications**

Course Number	Course Title	Semester Credits
FA 122	Private Multi Flight with Lab	1
FA 132	Commercial Pilot Flight I	1
FA 133	Commercial Pilot Flight II	1
FA 200	Commercial Pilot Flight Operations II	3
FA 215	Upset Training	1
FA 217	Tailwheel Transition	1
FA 221	Instrument Single Flight	1
FA 222	Instrument Multi Flight	1
FA 232	Commercial Pilot Flight III	1
FA 250	Commercial Pilot Flight Operations III	3
FA 272	Commercial Pilot Flight IV	1
FA 273	Commercial Single-Engine Add-On	1
FA 295D	Commercial Pilot Flight III (Single-Engine)	1
FA 295E	Single-Engine Commercial Pilot	1
FA 295F	Tailwheel	1
FA 300	Commercial Pilot Flight Operations IV	2
FA 321	Commercial Single Flight	1
FA 322	Commercial Multi Flight	1
FA 323	Commercial Multi Add On Flight and Lab	1
FA 324	Commercial Multi Instrument Flight	1
FA 326	Commercial Single Add On Flight	1
FA 340	Multi-Engine Class Rating	1
FA 341	Advanced Commercial and Instrument Flight Operations and Procedural Familiarization	2
FA 395A	Multi-Engine Commercial Pilot	1
FA 395B	Commercial Multi Flight	2
FA 417	Flight Instructor Rating	3
FA 419	Airline Transport Pilot Proficiency Development	2
FA 420	Airline Flight Crew Techniques and Procedures	2
FA 453	High Performance Aircraft Flight crew Techniques and Procedures	2
FA 460	Multi-Engine Flight Instructor Rating	1
HF 300	Human Factors I: Principles and Fundamentals	3
HF 315	Automation and Systems Issues in Aviation	3
HF 440	Aerospace Physiology	3
MSA 509	Advanced Aerodynamics	3
MSA 510	Advanced Aircraft Performance	3
MSA 516	Applications in Crew Resource Management	3
MSA 517	Advanced Meteorology	3
MSA 604	Human Factors and Psychology in the Aviation/Aerospace Industry (formerly 'Human Factors in the Aviation/Aerospace Industry')	3



**14 CFR Part 61  
Training Specifications**

Course Number	Course Title	Semester Credits
MSA 606	Aviation/Aerospace Communications/Control Systems	3
MSA 608	Aviation/Aerospace Accident Investigation and Safety Systems	3
MSA 611	Aviation/Aerospace System Safety	3
MSA 620	Air Carrier Operations	3
MSA 671	Professional Flight Crew Techniques and Procedures	3
SF 201	Introduction to Health, Occupational and Transportation Safety	3
SF 210	Introduction to Aerospace Safety	3
SF 320/ SFTY 320	Human Factors in Aviation Safety	3
SFTY 210	Introduction to Aerospace Safety (Added July 2020)	3
WEAX 201	Meteorology (Added July 2020)	3
WEAX 302	Aviation Weather (Added July 2020)	3
WX 201	Survey of Meteorology	3
WX 201	Meteorology I	3
WX 301	Aviation Weather	3
WX 327	Operational Analysis and Forecasting	3
WX 365	Satellite and Radar Weather Interpretation	3
WX 395P	Hurricanes and Tropical Meteorology	3
WX 410	Weather for Commercial Transport	3
WX 410	Weather for Commercial Air Transport	3

b. In addition to the coursework listed in Table 2, the Institution of Higher Education named in this LOA may apply credit hours transferred from an outside Institution of Higher Education provided all of the following conditions are met:

(1) the transferred courses were completed at an Institution of Higher Education that also received authorization from the FAA to certify its graduates for an ATP certificate with reduced aeronautical experience; and

(2) the transferred courses were authorized by the FAA and listed in Table 2 of the other Institution of Higher Education's LOA; and

(3) the credit hour(s) listed on the transcript may not exceed the credit hours received at the institution from which the student transferred.

6. The graduate must have completed ground and flight training in an approved instrument and commercial course(s) listed in Table 2 in the airplane category from the following FAA-approved Part 141 pilot school(s):

**Table 3 - Part 141 Pilot School(s)**

Part 141 Pilot School	FAA Certificate No	Main Operations Base City	Main Operations Base State	Current Part 141 Certificate
Embry Riddle Aeronautical University	NX4S404M	Daytona Beach	Florida	YES





**14 CFR Part 61  
Training Specifications**

Part 141 Pilot School	FAA Certificate No	Main Operations Base City	Main Operations Base State	Current Part 141 Certificate

7. The authorization holder must maintain accreditation from the following U.S. Department of Education recognized accrediting agency:

**Table 4 - Nationally Accrediting Agency**

Nationally Accrediting Agency/School
Southern Association of Colleges and Schools

8. Pursuant to 14 CFR § 61.169 (b), the FAA may amend, suspend, or rescind this authorization as necessary. Reasons for such actions include, but are not limited to:

- a. Changes in the regulatory basis or other standards upon which this authorization is issued;
- b. The authorization holder fails to meet the requirements of the regulation or established standards pertaining to certification of graduates for an ATP certificate with reduced aeronautical experience; or,
- c. The authorization holder fails to meet the requirements contained in this authorization.

*Notwithstanding paragraphs 3(c) and 6 of this LOA, Embry-Riddle Aeronautical University: Daytona Beach Campus is authorized to issue the certifying statement of authorized degree programs to graduates who have completed instrument and commercial ground and flight training under 14 CFR part 142 in accordance with the conditions and limitations listed in FAA Exemption No. 17862, as amended (previously FAA Exemption No.10957).*

*Embry-Riddle Aeronautical University: Daytona Beach Campus can only issue credit for those Cooperative Education Courses (i.e., those with course numbers that begin with CEA, CEAS, or CEFL) that are associated with airline operations. Cooperative Education Courses that are associated with other aspects of the aviation industry (e.g., corporate flight, aircraft manufacturers, or airport operations) may not be used to meet the required number of credit hours referenced in subparagraph 5.*

HQ Control: 10/29/2013

HQ Revision: 00e



U.S. Department  
of Transportation  
**Federal Aviation  
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**14 CFR Part 61  
Training Specifications**

**This Waiver or Authorization is Issued by the Federal Aviation Administration and approved by direction of the Administrator.**



Digitally signed by Shawn M. Hayes, Manager (FS80)  
[1] EFFECTIVE DATE: 8/7/2020, [2] AMENDMENT #: 14  
DATE: 2020.08.07 13:42:36 -05:00

**I hereby accept and receive this Waiver or Authorization.**

8-20-20

Kenneth Byrnes, Assistant Dean, College of Aviation      Date