

Applicant Eligibility Evidence and Statements

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on: 09 Dec 2020

for FCC Experimental License ELS:
Confirmation Number: EL474325
Application File Number: 0082-EX-PN-2020

1.0 Introduction

This document provides evidence that Embry-Riddle Aeronautical University satisfies the FCC [Applicant Eligibility: Criteria set forth in Part 5 subpart E of Commission Rules](#).

2.0 Satisfying evidence of a university with graduate research program

Embry-Riddle is a university with graduate research program in engineering and is accredited by ABET. Embry-Riddle has both Masters and Ph.D. graduate research programs listed at [www.erau.edu/degrees](https://erau.edu/degrees).

The Ph.D. in Mechanical Engineering is listed online at this link: <https://erau.edu/degrees/phd/mechanical-engineering>

A screenshot of the Mechanical Engineering Ph.D. program is and shown in Figure 1:

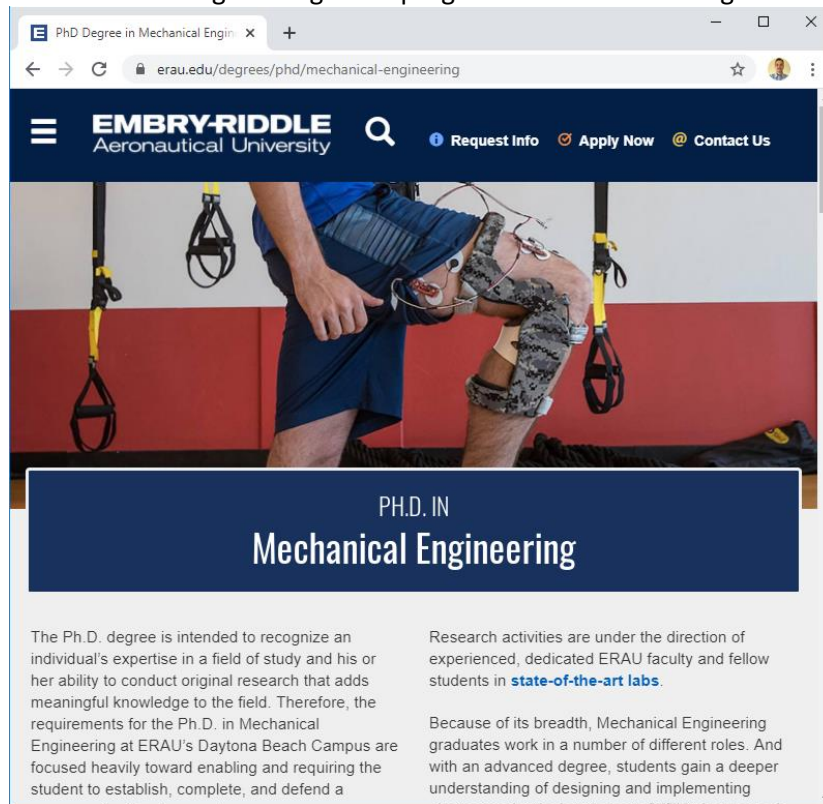


Figure 1: Screenshot of ERAU's graduate Ph.D. program in Mechanical Engineering

3.0 Satisfying evidence that Embry-Riddle engineering programs are ABET accredited

Embry-Riddle's Department of Mechanical Engineering (and all other engineering departments) are ABET accredited as evidenced by the ABET program lookup online here:

<https://www.abet.org/accreditation/find-programs/>

A screenshot of ERAU's Mechanical Engineering program's ABET certification is shown in *Figure 2*. The screenshot shows the Mechanical Engineering program is presently ABET accredited with the next comprehensive review at the academic year 2025-2026.

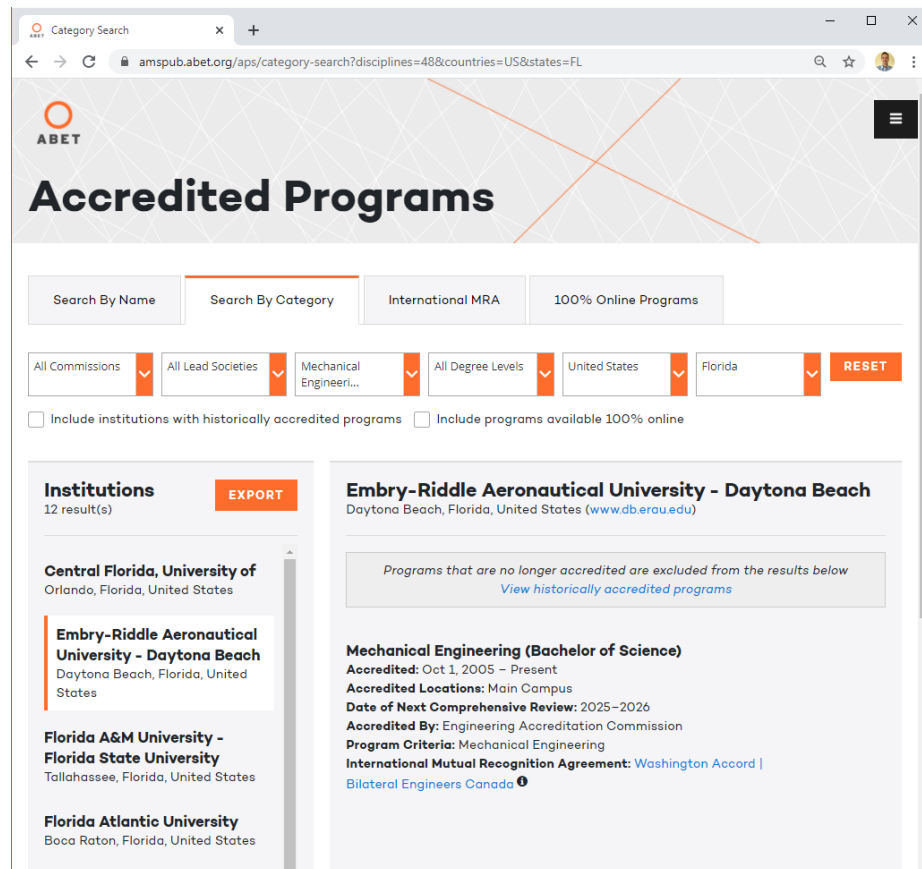


Figure 2: ABET Program Certification for ERAU's Mechanical Engineering program

4.0 Statement meeting additional FCC requirements

The applicant, Marc Compere, affirms all three of the FCC's additional statement in the eligibility requirements.

- (a) The radiofrequency experimentation will be conducted in a defined geographic area under the applicant's control;
- (b) The applicant has institutional processes to monitor and effectively manage a wide variety of research projects; and
- (c) The applicant has demonstrated expertise in radio spectrum management or partner with another entity that has such expertise.

The experimental license RF experimentation will be conducted in a defined geographic location, near Melbourne Beach, FL. The research team and university have safety, flight, and experimental procedures to manage the research project. The research team demonstrates expertise in radio spectrum management by using the cellular networks for standard commercial data transfer from ground-based locations.

5.0 Restatement of FCC ELS eligibility criteria from FCC eCFR website:

The FCC eligibility rules from Part 5, Subpart E are listed at this link:

<https://www.fcc.gov/wireless/bureau-divisions/technologies-systems-and-innovation-division/rules-regulations-title-47>

Part 5, Subpart E is restated here:

Title	47:	Telecommunication
PART	5—EXPERIMENTAL	SERVICE
Subpart E—Program	Experimental Radio Licenses	
§5.302 Eligibility.		
Program experimental licensees may be granted to the following entities: a college or university with a graduate research program in engineering that is accredited by the Accreditation Board for Engineering and Technology (ABET); a research laboratory; a hospital or health care institution; a manufacturer of radio frequency equipment; or a manufacturer that integrates radio frequency equipment into its end product. Each applicant must meet the following requirements:		
(a) The radiofrequency experimentation will be conducted in a defined geographic area under the applicant's control;		
(b) The applicant has institutional processes to monitor and effectively manage a wide variety of research projects; and		
(c) The applicant has demonstrated expertise in radio spectrum management or partner with another entity that has such expertise.		
[78 FR 25162, Apr. 29, 2013, as amended at 79 FR 48691, Aug. 18, 2014]		