Industry and Collegiate Aviation: Creating a new partnership for the future.

Michael E. Wiggins, Ed.D.
Embry-Riddle Aeronautical University
Pilots - The elephant in the room

OLIVER WYMAN

20-Year North American Pilot Demand and Supply

Boeing estimate of North American airline pilot demand, 2015 - 2034

Maximum supply of 1,500-hour pilots from the certified flight instructor (CFI) experience path segment. Assumes flat CFI hour growth and all CFIs go to airlines at 1,500 hours.

Source: Boeing and Oliver Wyman analysis

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More Good News(?)

Help Wanted in the Cockpit
Annual shortages are expected to add up to 15,000 pilots in 10 years

Source: University of North Dakota

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Total Pilot Certificates Held

Pilot Certificates Held
2007-2016 (FAA)

Private
Commercial
ATP

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Annual New Pilot Certificates

New Pilot Certificates Issued
2007-2016 (FAA)

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Annual New Flight Instructors

Original CFI Certificates Issued
2007-2016 (FAA)
FLIGHT INSTRUCTOR POPULATION

101,000 FAA-CERTIFIED INSTRUCTORS
98,000 IN THE USA
19,000 INSTRUCT PART TIME
ROUGHLY 1,000 FULL-TIME INSTRUCTORS BUILDING TIME TO ACHIEVE AN ATP CERTIFICATE

VARIED POPULATION
Many flight instructors working multiple jobs and instructing frequently

ACTIVE FLIGHT INSTRUCTOR POPULATION

INSTRUCTORS UNDER AGE 30
INSTRUCTORS 30+

INSTRUCTORS IN U.S. ACTIVELY INSTRUCTING (INCL. PART-TIME)

Sources: 1) Aviator Inventory Survey 2015, Flightpath Economics. 2) FAA Civil Airmen Statistics 2014
Collegiate Aviation

• Collegiate aviation is not a career or destination. It is a conduit for aspiring aviators (and other professionals) to achieve their goals of working for you.

• Our job is to give them the best education we can.

• Education vs. Training
Framework for a partnership

- Collegiate/airline relationships should be more than just a way to get pilots.
- Support for faculty and programs so they gain the tools and resources to better prepare your future employees.
- Rapid evolution of technologies and requirements are a challenge to faculty maintaining currency and relevance with industry.
- The more we can give them at our level, the better they will be for you.
Challenges for Collegiate Aviation

• Stability in our instructor corps!  
  • Most are leaving once they hit 1000 hours. (1 year)

• *Training the next generation of CFIs is becoming a challenge for many schools.*

• Five years to go from a first year college student to the 1000 hour CFI.
What can you do to help?

The KEY! Work with your college partners to help develop plans for a measured and planned progression for CFIs from the school to you.

DON’T EAT THE SEED CROPS!

These CFIs are training the next year’s new hire classes. While you have a need to fill the next class, we’re working to fill your classes for the next several years.
Our Biggest Challenge

Your pilots in 5 years.

Your pilots in 10 years.
How do we spark the next generation?
This is where we all need to work together.

• How do we spark the love of flying to the point it becomes a career goal for them?

• What advice do high school counselors give regarding career choices? - We need to craft that message.

• How do students overcome the financial barriers to entry? (Learning to fly isn’t cheap). Capturing the brightest regardless of socio-economic status.
The Future

How do colleges and universities evolve to prepare the next generation? – This is a key to the partnerships we have with you.

This is the discussion we need to all have.