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Bridge Programs: A Strategic Partnership

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BRIDGE PROGRAMS - A STRATEGIC PARTNERSHIP

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- Pilot Hiring Outlook
- Pilot Supply
 - Regional Airlines Growth
- University Landscape
- Bridge Program Elements
- ERAU Professional Pilot Curriculum



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- **Pilot Hiring Outlook:**
 - 58,000 pilots over next 20 years- retirement and attrition only (assumes zero industry growth).
 - ATA projections - Hiring - 2001 to 2024 (Majors)
 - 2001 - 4500
 - 2004 - Sharp increase begins
 - 2009 - 7000
 - 2024 - 9000
 - Delta (including ASA and Comair) next 3 years
 - 1336, 1439, 1504



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- **Regional Airlines Growth**
 - ASA 69% ; Comair 62%
 - DL Connection - 104 RJs on order, 396 options.
 - Overall fleet growth- 40%
 - Pilot tenure- 2 years (was 5 years)
 - Hiring directly into jets
 - Retirements at a single major airline can cause 25% turnover at a regional



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- **Pilot Supply:**
 - DoD output cannot meet air carrier demand
 - 1370 per year- flat next 10 years.
 - “Pilot pool is near ‘off the street’ level of 1966.”
 - Airlines acknowledge, “pilot supply has changed forever.”
 - Combined output from all 150+ collegiate programs is approximately 3000 per year.



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- **University Landscape:**
 - Number of Institutions of Higher Education with Undergraduate Degree Programs in Aviation..... 150
 - Two –year Institutions.....60
 - Four – year Institutions.....90



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- Enrollment By Program (Four-year institutions):
 - **Maintenance.....2,700**
 - **Management.....1,980**
 - **Aviation Studies.....2,880**
 - **Avionics.....600**
 - **Flight Education.....7,380**
 - **Airway Science.....1,620**
 - **Other.....840**



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- **Bridge Programs, A Partial Solution :**
 - Lower Training Costs
 - Provide Steady Flow of Qualified Applicants
 - Applicants Trained with Company-specific procedures
 - Provide Aircraft-specific training



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- **Bridge Programs:**
 - Require a 15 week internship
 - Allows the company to interface with the college/university and influence the curriculum



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- **Elements of Bridge Programs:**
 - A formal agreement
 - A candidate screening and selection procedure
 - A conditional offer of employment
 - Faculty involvement
 - An exchange of information



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- **Elements of Bridge Programs (continued):**
 - Requirement for a period of flight instruction prior to employment
 - Helps alleviate the Flight Instructor turnover at Colleges and Universities



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- **Aeronautical Science Degree Curriculum**
(Professional Pilot - Airline and Corporate Areas of Concentration):
 - General Education - 39 credit hours
 - Science, English, Math, Humanities & Social Science
 - Core - 28 credit hours
 - Aerodynamics, Performance, Turbines, Systems, Physiology, Safety, Meteorology



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- **Aeronautical Science Degree Curriculum (continued):**
 - Commercial Pilot Certification - 15 credit hours
 - Private, Commercial, Instrument, Multi
 - Area of Concentration - 38 credit hours
 - Dispatch, Airline or Commuter Operations, CFI, CRM, Jet Transport Systems, Electronic Nav, International Flight Ops, Advanced Avionics, Airline Flight Crew Techniques (B-1900; B-737)



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- ERAU eager to assist
- Questions?