

Fred D. Dyen, PhD

## EXPERIENCE

### **Assistant Dean, Aviation Technology Center** 09/01/2024/Present

University of Alaska Anchorage, Anchorage, Alaska

- Supervise and recruit division personnel.
- Oversee the care and maintenance of the Aviation Technology Division facilities.
- Assign faculty workload and oversee the creation of semester class schedules.
- Lead department planning and resource allocation activities in consultation with faculty/staff to benefit all programs.
- Provide effective leadership of division faculty and staff.
- Lead the division in establishing strong curriculum and scheduling sequences.
- Oversee the implementation of appropriate student learning outcomes in consultation with faculty with each certificate and degree program.
- Implement effective program assessments and reviews for each of the division's certificate and degree programs.
- Assist faculty with outcomes assessment and program review activities.
- Develop, analyze and maintain balanced budgets in consultation with the CTC fiscal support and/or division program assistants.
- Administer all fund expenditures in compliance with university human resources and Board of Regents' regulations.
- Ensure all laboratory and flight activities are conducted in accordance with sound risk management principles and in compliance with FAA regulations and university policies.
- Project and plan for special needs including equipment maintenance and replacement, space requirements, faculty professional development and new program needs.
- Perform critical analysis and lead flight and simulator operations to continuously refine cost recovery and recharge models to sustain and improve the efficiency and quality of the aircraft fleet and simulators.
- Oversee membership and meetings of the Aviation Technology Division Industry Advisory Committee.
- Act as the liaison between the Office of the Dean and the faculty and staff.
- Serve as the liaison between the aviation programs and aviation industry partners in Alaska and beyond.
- Serve on college and university committees and work cooperatively with constituent groups to promote and support division goals.
- Teach one or more courses in related fields.
- Participate as a member of the college leadership team.
- Provide leadership in meeting academic accreditation standards and FAA certification standards as well as other national standards that may apply to the division programs of study.
- Lead division interactions with the FAA and respond to FAA initiatives to maintain positive and productive memberships.
- Faculty advisory for aviation students enrolled in internships.
- Faculty record for all UAA flight courses.
- Update the FAA, as necessary, to meet obligations related to UAA.

### **Professor, Aviation Maintenance Technology** 06-2013/09/30/2024

### **Associate Professor Aviation Maintenance Technology** 07-2009/06-2013

### **Assistant Professor Aviation Maintenance Technology** 12-2006/06-2009

Blue Ridge Community College, Weyers Cave, VA.

- Develop FAA-approved § 147 Aviation Maintenance Technician School (AMTS).
- Secure Virginia Community College System approval for the following:
  - Aviation Maintenance Technology courses.
  - Certificate Program:
    - Airframe.
    - Powerplant.
  - A.A.S. Degree Program – Aviation Maintenance Technology.
- Initiate/coordinate FAA Light Sport Repairman Maintenance training program.
- Establish Career Studies Certificate programs for:
  - Light Sport Mechanics
  - Commercial Pilots

Fred D. Dyen, PhD

- Secure equipment and facilities.
- Implement, teach, and manage AMT and Light Sport Repairman Maintenance programs.
- Recruit students for the AMT and Light Sport Repairman Maintenance programs.
- Provide liaison between Blue Ridge Community College and aviation community.
- Advisor for Blue Ridge Community College's AMT students.
- Develop additional aviation programs to complement and enhance the AMTS.
- Secure FAA approval for Distance Learning Beta Test 2012-2014.
- Principal applicant for BRCC FAA 333 UAV Exemption.
- Secure FAA approval for Distance Learning for Title 14 CFR Part 147 Synchronous 2016.
- Secure FAA approval for Distance Learning for Title 14 CFR Part 147 Asynchronous 2018.
- Secured FAA approval for Distance Learning for LSRM-A Certificate program 2021.

#### **Adjunct Professor**

07-01-1987 to Present University of Alaska Fairbanks, Center for Distance Education, Fairbanks, Alaska

- Teach Aviation Professional Piloting Distance Education courses for Professional Piloting program.
- Teach Technology and Society for Center for Distance Education

#### **Director of Education/Curriculum Development**

09-08-2005 to 06-30-2006 WyoTech Oakland, California, Oakland, CA

07-01-2006 to 12-14-2006 Corinthian Colleges, Inc. Santa Ana, CA

- Manage student handoff from Enrollment
- Admissions, Registration, Scheduling
- Satisfactory Academic Progress:
  - Attendance
  - Grades
  - Matriculation
  - Graduation
- Oversight of Student Satisfaction and Retention.
- Faculty Recruitment, Orientation, Course Assignments, Management, Professional Development and Evaluation.
- Curriculum Implementation and Control.
- Regulatory Compliance.
- File maintenance.
- Submissions (AIR, Self-Study, Program Approvals).
- Accreditation readiness, Accreditation visits.
- Compliance with Academic Policy and Procedure.
- Collaboration on Program and Policy Development.
- Equipment, Facilities and Course Materials.
- Supervision of Education/Academic Staff.
- Local Articulation and Partnership Agreements.
- Collaborate on Planning, Budget, Overall visibility of Management Team.

#### **Director of the Aviation Maintenance Institute**

08-15-2002 to 06-30-2005 Saint Louis University St. Louis, Missouri Parks College of Engineering, Aviation and Technology

- Direct Aviation Maintenance Institute, including budget, advertising and marketing, and faculty scheduling, oversight, and evaluation.
- Revised entire Aviation Maintenance Technology curriculum in accordance with Title 14 Code of Federal Regulations (CFR) § 147.
- Developed updated one-year A&P Certificate Program with Internet courses.
- Teach in Engineering Technology Program.
- Recruit students for the Aviation Maintenance Institute.
- Provide liaison between SLU and aviation community.
- Advisor for SLU's Aviation Maintenance Technology students.
- Interim Parks College Webmaster and Safety Officer.

Fred D. Dyen, PhD

### **Associate Professor**

07-01-1987 to 06-30-2002 University of Alaska Fairbanks, Fairbanks, Alaska

- Teach Aviation Maintenance Technology, Aviation/Professional Piloting, and Technology courses, as assigned.
- Revised and maintain entire Aviation Maintenance Technology curriculum in accordance with Title 14 Code of Federal Regulations (CFR) § 147.
- Coordinate Aviation Maintenance Technology, Aviation/Professional Piloting, Drafting, and Technology programs.
- Provide liaison between UAF and aviation community.
- General Manager of University Propeller, Title 14 CFR § 145 Repair Station.
- Established the only FAA-approved Title 14 CFR § 147 Web-based courses.
- Faculty Advisor in UAF's Advising Center, primarily responsible for advising Interdisciplinary and Bachelor of Technology students in addition to general advising.
- Lead Faculty for Early Warning Alert Program [a UAF initiative to identify at risk students (primarily freshman) and provide recommendations on summary data as well as recommendations for future efforts and improvements.]
- Union Representative for Alaska Community Colleges' Federation of Teachers

### **Community College Teacher**

1981–1987 Tanana Valley Community College Fairbanks, AK

- Taught Aviation and Airframe and Powerplant courses.
- Department Head for Aviation Industries

### **Adjunct Faculty**

1976–1981 Northwest Community College Nome, AK

- Designed and taught a variety of Aviation courses, both maintenance and ground school.

### **Industrial Arts Teacher**

1976–1981 Nome Public Schools Nome, AK

1973-1974

- Taught a variety of vocational subjects in the regional high school.
- Worked with special education students in vocational courses.

### **Director of Maintenance**

1979–1980 Bering Air, Inc. Nome, AK

- Establish and monitor a Title 14 CFR §135 Maintenance Program for a variety of "bush" aircraft.
- Responsible for scheduling and conducting all maintenance, test flying, and interfacing with the FAA.

### **Pilot/Mechanic**

1974–1979 Foster Aviation Nome, AK

- Worked full-time in summers and weekends throughout the year maintaining a variety of "bush" aircraft.
- Part-time line pilot

### **Apprentice (initially) then Aircraft Mechanic finally IA**

1973-1981 Kougark Aero Services

- Worked under Daniel K. Walsh and William "Bill" Laws
- Aircraft maintenance, repair, and alteration.

## **EDUCATION**

1970 Santa Clara University Santa Clara, CA	B.A., Political Science
1976 Northrup University, Inglewood, CA	Certificate Airframe & Powerplant
1986 University of Alaska Juneau, Juneau, AK	M.S., Vocational Education
2002 University of Alaska Fairbanks, Fairbanks, AK	Counseling Licensure Program
2017 Old Dominion University, Norfolk, VA	PhD, Curriculum & Instruction

Fred D. Dyen, PhD

**COURSES TAUGHT/DEVELOPED**

• Aircraft Drawing*	• Light Sport Aircraft Airplane Class*
• Aircraft Electrical Systems*	• Light Sport Aircraft Airplane Maintenance Training
• Aircraft Electrical Systems Lab.	• Light Sport Aircraft Engines and Propellers*
• Aircraft Fuel, Fire, and Instrument Systems*	• Light Sport Aircraft General Airframe*
• Aircraft Fuel, Fire, and Instrument Systems Lab.	• Light Sport Aircraft Regulations*
• Airframe Inspections*	• Light Sport Airplane*
• Airframe Inspections Lab.	• Light Sport Airplane Ground School
• Airframe Testing	• Lubrication Systems
• Aviation Science for Mechanics*	• Lubrication Systems and Propellers*
• Aviation Science for Mechanics Lab.	• Lubrication Systems and Propellers Lab.
• Basic Electricity*	• Materials and Processes*
• Basic Mathematics	• Materials and Processes Lab.
• Commercial Ground Instruction	• Metallic Structures*
• Commercial Flight Training	• Metallic Structures Lab.
• Computer Aided Design with Unigraphics I	• Non-Metallic Structures*
• Computer Aided Design with Unigraphics II	• Non-Metallic Structures Lab.
• Coordinated Internship in Aviation	• Powerplant Cooling Systems
• Drafting Co-op Work Experience	• Powerplant Electrical Systems
• Engineering Shop Practices	• Powerplant Inspection*
• Exhaust Systems	• Powerplant Inspection Lab.
• Federal Aviation Regulations*	• Powerplant Testing
• Fire Protection Systems	• Preventive Maintenance for Pilots
• Flight Instructor Ground School	• Private Pilot Ground School
• Fuel, Fire, and Instrument Systems*	• Private Pilot Flight Training
• Fuel, Fire, and Instrument Systems Lab.	• Propellers
• Fuel Metering Systems*	• Reciprocating Engine Theory
• Fuel Metering Systems Lab.	• Reciprocating Engines*
• Ground Operations and Servicing	• Reciprocating Engines Lab.
• Induction Systems	• Rotax 912 Specialty Service
• Instrument Systems	• Rotax 912 Specialty Maintenance
• Instrument Systems Flight Training	• Seaplane Flight Training
• Internship in Technology	• Technology and Society
• Inspection Authorization Preparation	• Turbine Engines*
• Introduction to Aviation Safety	• Turbine Engines Lab.
• Introduction to UAVs	• Weight and Balance
• Introduction to Skis	• Additional distance classes depicted with an *.

**COLLEGE/UNIVERSITY SERVICE**

- Board Member, Alaska Air Carriers Association, 2024-Present
- Board Member FAA Repairman Portability Working Group, 2022-Present
- Regulatory Committee Member, Aviation Technician Education Council, 2022-Present
- Regulatory Committee Co-Chair, Aviation Technician Education Council, 2021-2022
- Regulatory Committee Chair, Aviation Technician Education Council, 2018-2020.
- Member, BRCC AMT Assistant Professor Screening Committee, 2018.
- Member, BRCC Childhood Ad Hoc Committee, 2018
- Chair, BRCC Automotive Technology Assistant Professor Screening Committee, 2016.
- Member, BRCC Student Retention Subcommittee, 2015-Current.
- Member, BRCC, Faculty Senate Executive Committee, 2015-Current.

Fred D. Dyen, PhD

- Member, BRCC Release Time Subcommittee, 2014-Current.
- STEM Takes Flight Scholarship Reviewer, 2014
- Transforming STEM Higher Education Conference, 2014
- International Exchange Program with the Netherlands, 2013-2014
- Membership Committee Chair, Aviation Technician Education Council, 2013-2018.
- Member UVa-NEH Bridging Cultures, 2013-2015
- Member, Dual Credit Committee, 2013-2014
- Delegate, College Board Chinese Bridge Delegation, 2013
- Chair, BRCC AMT Instructional Assistant Screening Committee, 2013
- Chair, BRCC AMT Associate Instructor Screening Committee, 2012
- Member, FAA Part 147 Working Group, 2011-Present.
- Board Member, Aviation Technician Education Council, 2011-Present
- Member, BRCC Instructional Technology Committee, 2008 - Present
- Member, BRCC Faculty Senate Executive Committee, 2007-2010.
- Member, Screen Committee for AMT Instructional Assistant, 2007.
- Member, Greater Saint Louis Flight Instructor's Association, 2002-Present.
- Member, Greater Saint Louis Maintenance Accident Prevention Counselors, 2002-2005.
- Co-coordinator (sponsored with FAA) for monthly Aviation Maintenance, Symposiums, 1986-2002.
- Participant, Project Safe Flight, 1997-2002.
- Coordinator for Annual Aviation Maintenance Symposium, 1989-1992.
- Technical Advisor to Aviation Community, 1981-present.
- FAA Designated Accident Prevention Counselor, 1983-2005.
- FAA Designated Mechanic Examiner, 1981-2002.
- Bering Strait School District-wide Career Fair, 1992.
- BP/ARCO Education Fair, 1992.
- Charter Member Fairbanks EAA Chapter.
- International Aviation Maintenance Foundation Delegate to People's Republic of China, 1988.
- Spring Aircraft Preflight Clinic, 1986.
- General Manager, University Propeller, FAA Certificated Repair Station #UPRR456K, 1989-2002.
- Tanana Valley Campus Union (ACCFT) Representative, 1997-2002.
- Coordinator, Aviation Maintenance Technology (formerly Airframe and Powerplant Program, Tanana Valley Campus, 1992-2002.
- Coordinator, Drafting Technology Program, 1996-2001.
- Coordinator, Aviation Technology Program, 1996-2002.
- Chair, Student Outcomes and Assessment Committee, 1997-1999.
- Member, Faculty Oversight and Appeals Committee, 1997-1999.
- Coordinator, Faculty Council, College of Rural Alaska, 1992-1994.
- Coordinator, Industrial and Service Technology Division, College of Rural Alaska, 1992-1997.
- Member, Selection Committee for Tanana Valley Campus Director, 1994.
- Member, Selection Committee for University of Alaska Usabelli Teaching Award, 1994-1997.
- Co-chair, Selection Committee for Airframe and Powerplant faculty, 1993.
- Member, Selection Committee for Diesel/Heavy Duty Equipment faculty, 1993.
- Member, Joint Faculty Senate/College of Rural Alaska Committee on Course/Instructor Approval Procedures, 1993.
- Chair, Selection Committee for Aviation Technology faculty, 1992.
- Member, Selection Committee for Tech-Prep Coordinator, 1992.
- Member, Vice Chancellor for Academic Affairs Review Committee, 1992.
- Representative, Faculty Senate, 1990-1992.
- Department Head, Trade and Industry Department, 1988-1990.
- Chair, Selection Committee for Aviation Technology faculty, 1989.
- Member, Selection Committee for School of Career and Continuing Education Dean, 1988.
- Co-convener for Faculty Governance, UAF Constitutional Convention, 1988.
- Delegate to UAF Constitutional Convention, 1988.

Fred D. Dyen, PhD

- Member, Ad Hoc Committee on Promotion and Tenure, 1988-1989.
- Alternate, Faculty Senate, 1988-1990.
- Member, UAF Level I Institutional Restructuring Advisory Council, 1987-1988.
- Member, UAF Level II Committee on Promotion and Tenure, 1987-1988.
- Co-chair, UAF Level III Task Force on Vocation Education, 1987-1988.
- Member, UAF Academic Council, 1987-1988.
- Member, School of Career and Continuing Education Curriculum Committee, 1987-1988.
- Department Head, Aviation Industries, 1986-1988.
- President-elect, Community Colleges Rural Education and Extension (CCREE) Assembly, 1987.
- Chair, Faculty Affairs Committee, CCREE Assembly, 1985-1987.
- Chair, Tanana Valley Community College Curriculum Committee, 1986.
- Member, CCREE Assembly, 1983-1987.
- Member, University of Alaska General Assembly, 1983-1987.
- Member, Tanana Valley Community College, Curriculum Committee, 1984-86.
- Department Head, Airframe and Powerplant Program 1982-1984.

### PROFESSIONAL DEVELOPMENT

- Adult First Aid/CPR AED, American Safety & Health Institute, 03/11/2024
- Inspection Authorization Renewal, Alaska Air Carrier's Association 02/09/2024
- Health as a Human Factor: Solvents FAA 02/08/2024
- Inspection Authorization Renewal, BRCC 03/10/2023
- Wipline 8750A Float Maintenance Training Wipaire, Inc. 12/06/2022
- Making TBO 12/06/2022 Continental Aerospace Technologies
- ABS Engine Service Clinic Review Continental Aerospace Technologies 12/06/2022
- Ignition Maintenance Continental Aerospace Technologies 12/06/2022
- Electronic Torque SnapOn/NC-3 10/10/2022
- Mechanical Torque SnapOn/NC-3 10/06/2022
- Torque Applications and Procedures SnapOn/NC-310/06/2022
- PMI 6 Dial Gauge Certification Starrett/NC-3 10/03/2022
- PMI 5 Micrometer Measurement Starrett/NC-3 09/13/2022
- PMI 4 Angle Measurement Starrett/NC-3 09/09/2022
- PMI 3 Gauge Measurement Starrett/NC-3 09/09/2022
- PMI 2 Slide Caliper Measurement Starrett/NC-3 09/09/2022
- PMI 1 Tape and Rule Measurement Starrett/NC-3 07/27/2022
- Ethics for Aviation Maintenance, FAA 09/09/2022
- Inspection Authorization Renewal, BRCC 03/17/2022
- Inspection Authorization Renewal, AACA 02/17/2021
- Flight Instructor Renewal Course, ACE, 01/01/2021
- Inspection Authorization Renewal, BRCC 03/13/2020
- Inspection Authorization Renewal, BRCC 03/28/2019
- Inspection Authorization Renewal, Liberty University 03/16/2019
- Adult & Pediatric First Aid/CPR/AED, 01/31/2019
- Dirty Dozen – Human Error in Maintenance, 12/7/2018
- Aircraft Maintenance Documentation for AMTs, 12/7/2018
- Basic Aircraft System, 12/7/2018
- Reducing Maintenance Related Engine Failures, 11/30/2018
- Do Not Fear Your Engine, 11/30/2018
- Aircraft Electrical Systems, 11/14/2018
- A Closer Look at Boeing's 2018-2037 Outlook, 10/9/2018
- Inspection Authorization Renewal Course 03/10/2018 FAA
- SnapOn Meter Certification, 08/29/2017
- Rotax iRMT 9 Series Maintenance Specialty Course, 06/08-09/2017.
- Rotax iRMT 9 Series Service Specialty Course, 06/06-07/2017.

Fred D. Dyen, PhD

- Precision Measurement Instrument Certification, 04/24-27/2017
- Reducing Maintenance Related Engine Failure, 03/29/2017
- Aviation Technician Education Council Conference, 03/31-04/04/2017
- Freedom Aviation IA Renewal Course 03/16/2017
- AOPA Flight Instructor Refresher Course, 02/25-26/2017
- CPR/AED/First Aid, 12/15/2016
- Freedom Aviation IA Renewal Course 03/17/2016
- Rotax iRMT 912 Series Heavy Maintenance Course, 01/17-19/2016.
- Rotax iRMT 912iS Series Installation Course, 01/15/2016.
- Rotax iRMT 9 Series Maintenance Specialty Course, 01/13-14/2016.
- Rotax iRMT 9 Series Service Specialty Course, 01/11-12/2016.
- Southwest 737NG Familiarization Course, 08/03-14/2015
- NASA STEM Takes Flight Faculty workshop, 06/03-05/2015.
- Aviation Technician Education Council IA Renewal, 04/12-14/2015.
- AOPA Flight Instructor Refresher Course, 12/20/2014
- Continental Motors Centurion Maintenance Seminar, 12/02-04/2014
- EAMTC Instructor Seminar – EAMTC, 05/27-28/2014
- Inspection Authorization Renewal – AMT Society, 04/04/2014
- Working Healthy – 8 Steps for Protecting Your Health, 03/03/2014
- CPR/AED/First Aid, 02/28/2014
- The Impact of Tire Maintenance on Aircraft Safety, 01/13/2014
- Maintenance Error Avoidance, 01/07/2014
- Pneumatic Systems, 12/09/2013
- Fatigue Countermeasure Training, 12/09/2013
- Human Factors Primer for Aviation Mechanics, 12/06/2013
- SnapOn Meter Certification, 09/17/2013
- Continental Motors Factory Training, 03/15/2013
- AOPA Flight Instructor Refresher Clinic, 02/17/2013
- Michelin Certified Tire Expert Program Level 2, 12/20/2012
- Michelin Certified Tire Expert Program Level 1, 12/20/2012
- Pneumatic Systems for Maintenance Professionals, 11/26/2012
- Working Healthy – 8 Steps for Protecting Your Health, 11/26/2012
- Failure to Follow Procedures – Landing Gear Failure, 11/26/2012
- Failure to Follow Procedures – Installation, 11/23/2012
- Failure to Follow Procedures – Inspections, 11/23/2012
- EAMTC Instructor Seminar,, 05/27-28/2014
- Fatigue Countermeasure Training, 11/23/2012
- Dirty Dozen – Human Error in Aircraft Maintenance, 11/21/2012
- Eddy Current Testing, 10/15/2012
- Ultrasonic Testing, 10/15/2012
- Advanced Composite Structural Repair, 10/09/2012
- Strengthening AMT Programs, 04/17/2012
- Aircraft Maintenance Documentation for AMTs. 01/01/2012
- NIDA Corporation, Pro ILE Learning Management System, 06/01-02/2011.
- Rotax 912/914 Service School, Aero Technical Institute, 07/11-12/2009.
- Aviation Technician Education Conference, 04/19-21/2009.
- IA Renewal, FAA Richmond FSDO, 03/14/2009.
- CFI Renewal, Aviation Supplies and Academics, Inc., 01/19/2009.
- CPR/AED – Adult, American Red Cross, 05/12/2008.
- Aviation Technician Education Conference, 04/06/-08/2008.
- IA Renewal, FAA Richmond FSDO, 03/29/2008.
- IA Renewal, FAA & Fairmont State , 02/23/2008
- Teaching and Learning Online Workshop, Summer 2007

Fred D. Dyen, PhD

- CPR/AED – Adult, American Red Cross, 06/26/2007.
- Standard First Aid, American Red Cross, 06/26/2007.
- CFI Renewal, Greater Saint Louis Flight Instructor Association, 01/21/2007.
- IA Renewal, Saint Louis Aviation Maintenance Safety Counselors, 1/19/2007.
- FAA Industry Training Standards, FAA, 11/11/2006.
- Academic Dean and DOE Basic Training Workshop, CCI, 01/2006.
- Harassment Training, CCI 11/2005.
- High Impact Hiring and eSeries 6, CCI, 11/2005.
- Situational Leadership II, CCI, 11/2005.
- Managing 90/10, CCI, 10/2005.
- Performance Coaching, CCI, 10/2005.
- Prevention of Workplace Harassment and Discrimination, CCI, 09/2005.
- Flight Instructor Refresher Course, 02/2005.
- Human Factors in Aviation, SLU, 2005.
- Mill Manufacturing Processes NX, EDS, 2005.
- Practical Applications of Unigraphics, EDS, 2004.
- FAA Technical Airman Examiner Standardization, 2002.
- Teledyne Continental Factory Reciprocating Engine School, 1999.
- FAA Technical Airman Examiner Standardization, 1998.
- FAA Suspected Unapproved Parts Seminar, 1998.
- Textron Lycoming Piston Engine Service School, 1997.
- Inspection Authorization Renewal, Aviation & Electronic Schools, 1996.
- General Radio Operators Course, Aviation & Electronic Schools, 1986.
- FAA Technical Airman Examiner Standardization, 1996.
- FAA Technical Airman Examiner Standardization, 1993.
- FAA Inspection Authorization Refresher Program, 1993.
- FAA Approved Parts Seminar, 1993.
- Ultrasonic Testing, Krautkramer-Branson, 1993.
- Flight Instructor Refresher Course, Bill Phelps' Airline Ground Schools, 1993.
- Eddy Current Testing, Zetec, Inc. 1992.
- Customer Training School, Loctite Corporation, 1992.
- Tech-Prep Seminar, State of Alaska Department of Education, 1992.
- FAA Technical Airman Examiner Standardization, 1991.
- FAA Inspection Authorization Refresher Program, 1991.
- Vocational Internship in Propellers, University of Alaska Anchorage, 1990.
- Alaska Anti-drug Program Consortium Managers Workshop, 1990.
- Propeller Repairman Training, Embry-Riddle Aeronautical University, 1989.
- FAA Technical Airman Examiner Standardization, 1989.
- FAA Inspection Authorization Refresher Program, 1989.
- Flight Instructor Refresher Course, AOPA Air Safety Foundation
- 1989.UAF Hazard Communication Program, 1989.
- UAF Laboratory Instructor Training, 1989.
- FAA Technical Airman Examiner Standardization, 1987.
- FAA Inspection Authorization Refresher Program, 1987.
- Flight Instructor Refresher Course, AOPA Air Safety Foundation, 1987.
- FAA Technical Airman Examiner Standardization, 1985.
- FAA Inspection Authorization Refresher Program, 1985.
- Flight Instructor Refresher Course, AOPA Air Safety Foundation, 1985.
- FAA Technical Airman Examiner Standardization, 1983.
- FAA Inspection Authorization Refresher Program, 1983.
- Flight Instructor Refresher Course, Roy Beech and Associates, 1983.
- FAA Initial Maintenance Airman Examiner Standardization, 1981.
- Magnetic Particle & Liquid Penetrant Inspection, Magnaflux Corporation, 1981.





Fred D. Dyen, PhD

### WEBINAR PANELIST

- Best Practices for Online Instruction in Part 147 Programs  
<https://www.gotostage.com/channel/e2cefc6d815d43aa987842c0a0df82ed/recording/d7cd46c7b06e43fa885fbc330681653f/watch?source=CHANNEL>
- The new Part 147  
<https://www.gotostage.com/channel/e2cefc6d815d43aa987842c0a0df82ed/recording/d7cd46c7b06e43fa885fbc330681653f/watch?source=CHANNEL>
- Part 147: Where Are We Now  
<https://www.gotostage.com/channel/e2cefc6d815d43aa987842c0a0df82ed/recording/a16ed7d5ed4a4b34941a7032fc27d153/watch?source=CHANNEL>
- Live Forum: The New Part 147, Your Questions  
<https://www.gotostage.com/channel/e2cefc6d815d43aa987842c0a0df82ed/recording/d7cd46c7b06e43fa885fbc330681653f/watch?source=CHANNEL>
- HAI@Work: Reforming Aviation Technical Education  
<https://www.rotor.org/Default.aspx?%2fDefault.aspx>

### PHD COURSEWORK

- Dissertation, Fall 2017
- Dissertation, Fall 2016
- Dissertation, Summer 2016
- Dissertation, Spring 2016
- Dissertation, Fall 2015
- Dissertation Seminar, Summer 2015
- Independent Study – Occupational Education, Fall 2014
- Occupational/Technical Education, Spring 2014
- Occupational/Technical Education, Fall 2013
- Instructional Design Theory, Fall 2012
- Human Performance Assessment, Summer 2012
- Research Residence in Instruction Design and Technology, Spring 2012
- Instructional Gaming, Spring 2012
- Advanced Research Design & Analysis, Fall 2011
- Human Performance Technology, Fall 2011
- Qualitative Research in Education, Summer 2011
- Designing Online Instruction, Summer 2011
- Linear Models in Ed Research, Spring 2011
- Trends/Issues Instructional Design/Technology, Spring 2011
- Applied Statistics/Data in Education, Fall 2010
- Advanced Instruction Design Technique, Fall 2010
- Foundations of Distance Education, Spring 2010
- Cognition & Instructional Design, Spring 2010
- Instructional Tech Product Evaluation, Fall 2009
- Instructional Systems Design, Spring 2009

### PROFESSIONAL AFFILIATIONS

- Association for Educational Communications and Technology.
- Aircraft Owners and Pilots Association.
- Alaska Community Colleges' Federation of Teachers.
- American Association of University Professors.
- American Society for Non-Destructive Testing.
- Experimental Aircraft Association.
- International Aviation Maintenance Foundation.

Fred D. Dyen, PhD

- Professional Aviation Maintenance Association

### **CERTIFICATES**

#### **Federal Aviation Administration Certificates:**

- Mechanic, Airframe and Powerplant Ratings, #3035770.
- Inspection Authorization, #3035770.
- Designated Mechanic Examiner, #536486860 (1981-2002).
- Propeller Repairman, #2422163 (1988-2002).
- Ground Instructor, Advance and Instrument Ratings, #3035770.
- Propeller Repairman, #2422163 (1988-2002).
- Commercial Pilot, Single-engine Land and Sea, Multi-engine Land Instrument Ratings, #3035770.
- Flight Instructor, Single-engine, Instrument, Airplane Ratings, #3035770.
- Remote Pilot: Small Unmanned Aircraft Systems, #3035770.

#### **Federal Communication Commission Certificates:**

- General Radio Telephone Operator.
- Restricted Radio Telephone Operator.

#### **Rotax**

- RFSC iRMT 912 Series Service Specialty
- RFSC iRMT 912 Series Maintenance Specialty
- RSCF iRMT 912iS Series Installation Course
- RSCF iRMT 912 Series Heavy Maintenance Specialty

#### **State of Alaska Certificate:**

- Type A Teaching Certificate.
- Type C Counseling Certificate.

#### **National Academic Advising Association:**

- Academic Advising Summer Institute.

### **OTHER ACHIEVEMENTS**

#### **Supplemental Type Certificates Issued:**

- Bellanca Model 14-19-2, Oil Filter
- Bellanca Model 14-19-2, Auxiliary Fuel Tank
- Textron Lycoming Model O-320, Oil filter Adapter
- Piper Model PA-18-150, Oil Filter Installation
- Hartzell HC-C2YK/R Propeller Installation on Cessna 172 Series
- Hartzell HC-C2YK/R Propeller Installation on Cessna 175 Series

**Numerous (200+) miscellaneous FAA "Field Approvals"**

Fred D. Dyen, PhD

**FAA Awards**

- Diamond Award 2@
- Ruby Award 1@
- Gold Award 3@
- Silver Award 8@
- Bronze Award 6@

**UAF Academic Advising Center, Advisor of the Year, 1997-1998**

**Aviation Technician Education Council – Instructor of the Year 2012-2013**

**BRCC International Fellow 2013-2014**

**Charles Taylor Master Mechanic 2023**

**RESEARCH/INTERESTS**

- Safety
- Distance Education
- Competency-based Aviation Education
- Student Retention
- Non Destructive Testing
- Aircraft Modification