



AVIATION SAFETY OFFICER COURSE

LOCATION:

Savannah Convention Center;
Room 205

COURSE LENGTH:

Three days, 24 classroom hrs.

DATE / TIME:

Monday, July 18 –
Wednesday, 20, 2016
0800 – 1700 hours each day

INSTRUCTORS:

Dr. Dudley Crosson

Ph. D. Aviation Physiology; Delta P //
ALEA Aeromedical Liaison

Dudley Crosson, PhD is the Principal of Delta P, a Aeromedical Safety company in Port St. Lucie (FL). An Aeromedical Safety Officer (AmSO) is an aerospace psychologist who is also a qualified aviation safety officer. Dr. Crosson provides aeromedical safety support various public safety and non-Department of Defense aviation units.

From 1988 to 2002, Dudley Crosson was a consultant in Aerospace Physiology for NASA flight operations. Since 9/11, he has functioned as an AmSO for various public safety aviation and non-DoD aviation units.

Current Collateral Responsibilities:

- Aeromedical Liaison to the medical community for the Airborne Law Enforcement Association (ALEA).
- Member of the Aerospace Medical Association's (AsMA) Aviation Safety Committee
- Visiting Professor (Aerospace Physiology) at the University of Hawaii – Hilo
- Member of the CAMTS Aviation Advisory Committee

Bryan Smith

Officer, Seminole County (FL)
Sheriff's Office // ALEA Safety
Program Manager

Bryan Smith is ALEA Safety Program Manager for ALEA. He currently works for the Seminole County (FL) Sheriff's Office as a pilot in both rotary- and fixed-wing aircraft and serves as an instructor pilot.

COURSE OBJECTIVES: This course is designed to provide both the newly assigned and/or experienced Aviation Safety Officer (ASO). The class incorporates all aspects of successfully implementing a safety program (SMS), understanding the duties and responsibilities of an ASO, public aircraft laws, initial/preliminary accident investigation, etc. ... - all geared toward what an ASO must know. Successful completion requires attendance at all 24 hours of classroom courses.

Maximum enrollment: 60

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INTENDED AUDIENCE: This course is intended for law enforcement Aviation Safety Officer's that are responsible for the safety program of a law enforcement aviation unit. **It is HIGHLY recommended that students have attended SMS training prior to attending this course.**

COURSE OUTLINE

| DAY ONE | | |
|-------------|--|--|
| 0800 – 0900 | Introductions, Duties of an ASO and Elements of a Safety Program | Dr. Dudley Crosson; Sunshine McCarthy |
| 0900 – 1030 | Aeronautical Decision Making | Dr. Dudley Crosson |
| 1030 – 1200 | Flight Safety Reporting Systems | Sunshine McCarthy |
| 1200 – 1300 | Lunch On Own | |
| 1300 – 1530 | Risk Management Techniques | Bryan Smith |
| 1530 – 1700 | Emergency Response Planning | Bryan Smith |

| DAY TWO | | |
|-------------|------------------------------------|--------------------|
| 0800 – 0930 | PPE | Dr. Dudley Crosson |
| 0930 – 1100 | Safety Inspections and Audits | Sunshine McCarthy |
| 1100 – 1200 | Safety Education and Training | Sunshine McCarthy |
| 1200 – 1300 | Lunch On Own | |
| 1300 – 1430 | Fitness for Flight | Dr. Dudley Crosson |
| 1430 – 1600 | Human Factors, SMS and Maintenance | Jim Smith |
| 1600 – 1700 | Practical Application of Safety | Bryan Smith |

| DAY THREE | | |
|-------------|--|------------------------------------|
| 0800 – 1030 | Accident Investigation | Scott May |
| 1030 – 1200 | Practical Applications of Safety | Bryan Smith |
| 1200 – 1300 | Lunch On Own | |
| 1300 – 1600 | Case Studies and Test | Dr. Dudley Crosson |
| 1600 – 1700 | Panel Discussion, Course Review and Critique | Bryan Smith; Dr. Dudley Crosson |

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AIRBORNE LAW ENFORCEMENT ASSOCIATION / FIXED-WING OPERATIONS COURSE / INSTRUCTOR PROFILES:

Bryan Smith (continued) ...

Bryan also works on the International Helicopter Safety Team where he has chaired the SMS Committee and worked on the flight training workgroup. He has a B.S. in Criminology & Law from the University of Minnesota and a M.S. in Criminal Justice Administration, with a emphasis in safety management, from Florida Gulf Coast University. Over the last eight years he has been a regular instructor at ALEA events around the country. Bryan is dedicated to finding reasonable and effective safety solutions specifically for the public safety aviation industry, which have real impact on not only safety but industry performance as well.

Sunshine McCarthy

Vice President, Business Development & Education; Baldwin Aviation, Inc.

Sunshine McCarthy is the Director of Training for Baldwin Aviation Safety & Compliance. Sunshine is an accomplished training facilitator and speaker, and has broad international business experience working with the aviation industry throughout the world. Through her career she has gained considerable experience and expertise in the areas of aviation safety, organizational management, training, and staff development. Prior to joining Baldwin, Sunshine held leadership roles at Service Elements International, a business aviation organizational development company and MedAire, Inc. a service provider to the aviation industry. Previous to that, she held a number of positions with US Airways, including Training Specialist and Manager of Cabin Safety – the latter of which gave her responsibility for all safety issues related to the aircraft cabin environment. She has also worked as a Community Development Volunteer with the US Peace Corps in Cape Verde, Africa.

Sunshine holds a Certificate in Aviation Safety from the University of Southern California and a B.S. in Human Resources from Geneva College and a Master of Arts Degree in Education from Prescott College.

Sergeant Scott May

Sergeant; Lexington (KY) Police Department

Scott has been a member of the Lexington Police Department for over 25-years. Scott was instrumental in planning and starting his departments aviation unit, as he oversaw the acquisition of an OH-58 military excess helicopter, the aircrafts overhaul and refurbishment and the start-up of the unit. Scott is an FAA Commercially rated helicopter and airplane pilot. He is also an FAA Safety representative and a part of the FAA FAAS Team. Scott has taught for ALEA for several years and specializes in accident investigation and new-unit start-up.

Mr. Jim Smith

Chief Learning Officer
Southern California Safety Institute

Mr. Smith has an extensive career in the design and delivery of safety training for organizations around the world. He has held responsibilities that included the training of thousands of personnel in multiple locations and has been involved with Safety Management Systems since its inception. Jim has been instrumental in SMS implementation with organizations such as Gulfstream Aerospace and Rolls Royce Canada. His expertise in the practical application of SMS has helped earn Gulfstream an industry-wide reputation as a world leader in SMS.

Jim's 39 years of safety training experience include 28 years with Delta Air Lines, where he retired as a Director with the responsibility for overseeing all of the safety and technical training for over ten thousand individuals within his division. After retiring from Delta, Jim has been providing aviation safety consulting and training for organizations and companies across the globe. In 2014, Jim joined the Southern California Safety Institute as the Chief Learning Officer where he oversees the training curriculum and coordinates courseware design and delivery.

Jim's many years of operational experience coupled with his extensive training background and practical hands-on SMS experience make him uniquely qualified to share both classroom knowledge and real-life SMS implementation experience with his students and clients.

Revised: March 12, 2016