

Drone Use in Public Safety & Emergency Operations

- Search & Rescue
- Crime Scene Investigation
- Law Enforcement
- Firefighting
- Disaster Relief
- Lifeguard & Marine Rescue
- Emergency Medical Services (EMS)
- Mapping
- Security Overwatch (Surveillance)
- Digital Forensics Analysis
- Traffic Management
- Bomb Squad & SWAT
- Public Information
- Damage Assessment
- Incident Command & Control (Live Streaming)
- Hazardous Materials (HAZMAT) Response
- Flood & Swift Water Rescue
- Transportation of Equipment

Drone Technology Advantages

- Increase safety & reduce risks for public safety workers
- Quick deployment & rapid assessment
- Easier & faster accessibility
- Reduce costs in missions
- Videos & photos used for training
- Analyze footage for investigation & reporting
- Reduce time & risk compared to human operations
- Advanced video technology - thermal infrared cameras
- Immediate delivery of supplies (food, water, first aid, radio, medicine)
- Ease of monitoring & tracking perpetrators safely
- Drone speakers for announcements & communications

Criminal Justice Academies

Orange County Sheriff's
Regional Training Academy
15991 Armstrong Ave., Tustin, CA 92782
714-566-9200



Mission Statement

The mission of the Criminal Justice Academies (CJA) Department is to develop and maintain strong law enforcement training partnerships within the criminal justice community. Our focus is to provide professional training opportunities for individuals attempting to enter the profession, and to assist current peace officers seeking to enhance their knowledge and skills in furtherance of their careers.

SAC Drone Programs

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SANTA ANA COLLEGE CRIMINAL JUSTICE ACADEMIES

DRONES IN PUBLIC SAFETY

- Introduction to Drone Laws
- Building a Public Safety UAS Drone Program
- Drones for First Responders



LAW ENFORCEMENT • INVESTIGATION



FIRE • SEARCH & RESCUE



MARINE RESCUE • FIRST RESPONDERS

Innovating Public Safety & Emergency Services

sac.edu/drones

DRONES IN PUBLIC SAFETY

Public Safety Agencies are implementing Public Safety UAS Drone Programs locally and globally. The use of drones is rapidly growing to save lives and enhance public safety missions.

CJA 050 - Introduction to Drone Laws 0.5 Units
(same as Business Applications BA 161)



An introduction to drone laws for commercial, public safety, and recreational drone users. Topics include basic knowledge of federal, state, and local laws, FAA regulations, liability issues, privacy concerns, and case law related to UAS drones in federal airspace.

CJA 050A - Building a Public Safety UAS Drone Program 1.5 Units



Learn from experts on how to create and implement a public safety UAS drone program for a variety of agencies including law enforcement, public utilities, fire, first responders, search/rescue, marine safety, and government. Topics include development of policy and procedures manual, drone equipment

needs, public safety mission sets, tactical deployments, indoor flights, counter drone, thermal and infrared (IR) sensor. Laws and regulations including FAA Part 107 and Certificate of Authorization (COA). Drones provided in class for flight training. Part 107 drone pilot license not required to take this course.

CJA 050B - Drones for First Responders 1.0 Unit



This course will give students the knowledge and skills to effectively conduct public safety drone missions for first responders including law enforcement, private security, fire service, marine safety, and other public agencies. Specific missions, equipment, and software programs will

be introduced. Students will participate in hands on scenarios based on public safety drone missions. Drones provided in class for flight training. Part 107 drone pilot license not required to take this course.



BA 158 - Introduction to Drones

1.5 Units



This introductory drone course is a great start to learning how to fly drones, FAA regulations, safety flying tips, and how drones are being used for commercial and recreational. Public safety workers need to understand how the public is using drones.

DM 170 - Drone Pilot License Test Prep

0.5 Unit



This class prepares you to take the FAA Part 107 Remote Pilot exam. You must pass this exam to become a certified drone pilot to fly drones for your public safety agency and commercial use.

BA 159 Drones for Mapping

1.5 Units



Public safety organizations are using drone mapping and 3D modeling with Pix4D and Esri ArcGIS apps to recreate accident scenes and gather GPS data for investigations much faster and more accurate than ground work. Learn how to use the infrared thermal drone camera for missions including search and rescue.

BA Adobe Classes - Edit Photos & Videos



Take Business Applications (BA) courses to learn how to use Adobe apps to edit and enhance drone photos and videos:
BA 164 Photoshop
BA 171 Premiere Pro
BA 172 After Effects

Learn Microsoft skills for drone mission reporting:

BA 179 Microsoft Office (Word, Excel, PowerPoint)



**Drones are provided in classes.
Courses are designed for beginning
& experienced drone users.**