



TACTICAL DRONE CONCEPTS

UNDERSTANDING SUAS MAINTENANCE

LOCATION: UAS CENTER AT SBD
294 S. LELAND NORTON WAY
SAN BERNARDINO, CA 92408

DATE: SEPTEMBER 11, 12 & 13, 2023
0800 - 1600 HOURS

**STUDENTS BUILD A TACTICAL/TRAINING UNMANNED
AIRCRAFT TO TAKE HOME!**

THIS COURSE IS A COMBINATION OF MAINTENANCE THEORY, BEST PRACTICES, AND HANDS ON APPLICATION THAT GUIDES THE STUDENT THROUGH MAINTENANCE ISSUES FROM THE ORGANIZATIONAL PERSPECTIVE TO INDIVIDUAL LEVELS OF MAINTENANCE.* STUDENTS WILL:

-  **DEVELOP A MAINTENANCE PROGRAM FOR A SUAS UNIT**
-  **UNDERSTAND THE PARTS AND PURPOSES OF UNMANNED AIRCRAFT COMPONENTS**
-  **PRACTICE SOLDERING TO REPAIR WIRE AND ELECTRONIC PARTS**
-  **UNDERSTAND SOFTWARE PROGRAMMING FOR SUAS, USING BETAFLIGHT CONFIGURATOR**
-  **BUILD A TACTICAL/TRAINING AIRCRAFT FROM COMPONENT PARTS INTO A FLYING AIRCRAFT!**

THIS INSTRUCTION WILL FAMILIARIZE STUDENTS WITH THE BASIC PRINCIPLES OF HOW SMALL UNMANNED AIRCRAFT WORK. THIS INFORMATION WILL FACILITATE DIAGNOSING AND TROUBLE SHOOTING MAINTENANCE ISSUES OCCURRING WITH UNMANNED AIRCRAFT. DURING THIS 24 HOUR COURSE OF INSTRUCTION, STUDENTS WILL BUILD A SUAS AND DEMONSTRATE THEIR GRASP OF THE CONCEPTS BY CONDUCTING AN INDOOR FLIGHT WITH THEIR CREATION.

* STUDENTS WILL NOT BE CERTIFIED AS AIRCRAFT REPAIRERS OR MECHANICS.

For more information:

Contact: ademolina@tactical-drone.com

Phone: (949) 466-3312

Or Register at

<https://tactical-drone.com/understanding-suas-maintenance-course-230911-uum-tdc-001>

Cost/Tuition: \$1,680

includes price of aircraft parts, a controller with monitor, LiPo battery, toolkit and work mat

Maximum Class Size: 30 Students