



USI PRIMARY DRONE Operations







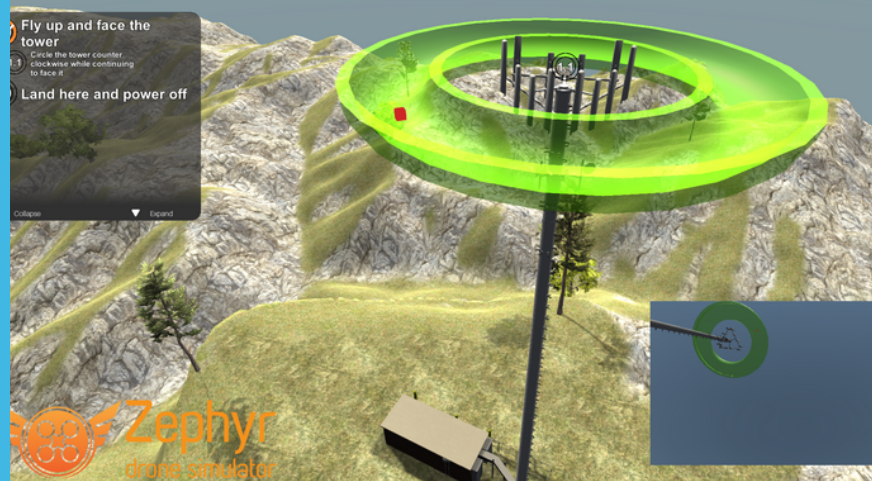
- STEM/STEAM CURRICULUM
- CAREER-THEMED COURSE
- INDUSTRY CERTIFICATION
- JOB PORTFOLIOS
- TEACHER PD & INDUSTRY CERTIFICATION

WHAT'S INCLUDED?

- FAA Part 107 Prep Course & Practice Exam
- Digital Textbook and Workbook
- Part 107 Study Guide
- 3rd Party Testing for Certification
- Simulation for Skill-Based Training and Certification
- Software for Safety Risk Assessment, Equipment, Student, and Currency Tracking

Simulation Integration

-  RC Transmitters
-  Student Login for Hour Tracking
-  Commercially Relevant
-  Required for Instructor Training





PRIMARY Operations



Building



Transportation



Energy



Medical



Agriculture

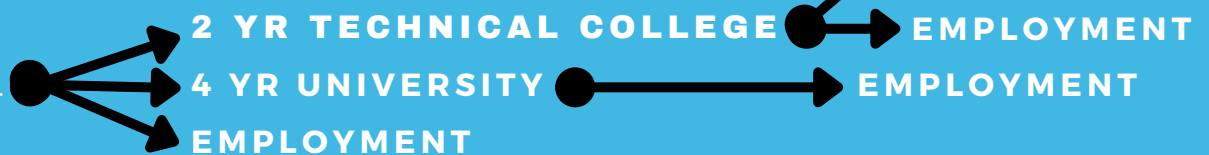


USI PARTNER DRIVEN PATHWAY PROGRAMS:

HIGH SCHOOL

OPTIONS:

ARTICULATED CREDIT
DUAL ENROLLMENT
CONCURRENT ENROLLMENT



- RELEVANT CONTENT
- WORKFORCE-ORIENTED
- JOB PORTFOLIOS FOCUSED ON SAFE OPERATIONS
- PATHWAY-ORIENTED
- EQUIPMENT AND AIRCRAFT OPTIONS AVAILABLE



VISTA



Equipment and Aircraft Tracking and Maintenance Program



Student Simulation and Live Flight Hour Tracking



Safety Risk Management & Incident Reporting



Administrative Oversight and Insight and Reporting



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OPERATIONAL RISK CATEGORIES

Aviation Risk-Based Approach to Scaling and Standardizing Operations

PRIMARY (VLOS)

Operations

- Part 107
- Aircraft \leq 20 lbs
- Low Risk Operations
- Highly Automated

ADVANCED

Operations

- (BVLOS, Night Operations, etc.)
- Aircraft $>$ 20 lbs and \leq 1320 lbs
- Medium to High Risk Operations

COMPLEX

Operations

- (EVTOL, AAM/UAM, OPA, Complex Aircraft)
- Aircraft $>$ 1320 lbs
- Medium to High Risk Operations





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PRIMARY Operations



sUAS SAFETY: LEVEL 1

- Introduction to UAS
- Uncrewed (Unmanned) Aircraft
- The Elements
- Federal Aviation Administration
- Operating in the NAS
- Human Factors and CRM
- Aeronautical Decision Making
- The Professional RPIC
- UAS Foundations
- Robotic Aircraft
- Datalinks
- Ground Control Stations
- Payloads

sUAS SAFETY: LEVEL 2

- Received with Remote Pilot Certification





PRIMARY Operations



sUAS SAFETY: LEVEL 3

Visual Line of Sight System Operations (VSO) Ground

- Practical application of safety practices
- Basics of SMS
- Practical Site Survey and Planning
- Application of ADM, CRM, and HF
- Mission Planning
- The operational hazard domains

sUAS SAFETY: LEVEL 4

Visual Line of Sight System Operations (VSO) Flight

- System Specific Safety
- Initial Qualification Training (Includes NIST)
- Practical Test Standards Evaluation
- Simulation Assessed Psychomotor Skills Evaluation

