



# UNMANNED AERIAL SYSTEMS

Curriculum Framework 2016-2017

UAS LEVEL THREE: *Designed for 135-180 hours of instructional time*

<i>RBT</i>	<i>Weight</i>	<i>Objectives / Indicators</i>
<b>MISSION PLANNING</b>		
<b>C3</b>	<b>15%</b>	<b>301. Execute Mission Planning.</b>
C3	6%	301.01 Organize and research the mission.
C3	7%	301.02 Develop a project plan with defined outcomes.
C3	2%	301.03 Communicate a project plan to stakeholders.
<b>MISSION PREPARATION</b>		
<b>D6</b>	<b>15%</b>	<b>302. Execute Mission Preparation and UAV Design.</b>
D4, D6	7%	302.01 Use appropriate hardware and software to create and/or customize a UAV design.
C3	6%	302.02 Assemble all components, software and tools needed to build a UAV.
C3	2%	302.03 Identify basic and advanced setup options for a UAV.
<b>ADVANCED UAV CONSTRUCTION</b>		
<b>C3</b>	<b>40%</b>	<b>303. Execute Advanced UAV Construction.</b>
C3	10%	303.01 Create and utilize a design plan to build, modify and/or enhance a UAV.
C3	25%	303.02 Modify and adjust components and/or payloads.
C3	5%	303.03 Apply setup procedures to test, calibrate and optimize the UAS.
<b>EXECUTE MISSION</b>		
<b>D6</b>	<b>20%</b>	<b>304. Create and Execute Mission Flight Plan.</b>
D6	8%	304.01 Create a flight plan.
C3	8%	304.02 Configure system for a specific flight plan.
C3	4%	304.03 Execute flight plan.
<b>MISSION WRAP-UP AND DEBRIEF</b>		
<b>D6</b>	<b>10%</b>	<b>305. Analyze and Evaluate the Mission.</b>
D4	4%	305.01 Format and analyze mission data.
D4, D6	4%	305.02 Draw conclusions and present mission findings.
D5	2%	305.03 Evaluate and critique mission results.