

Aircraft Combat Survivability Short Course

June 2-4, 2026

RTX Technology Research Center (RTRC)

East Hartford, CT

Day 1

| No. | Lesson | Instructor | Time |
|-----|---|--|-----------|
| | Course Check-In | | 0715-0800 |
| 1 | Welcome, Security, and Admin | Mr. Chris Adams, Dr. Mark Couch, Dr. Rich Huffman, Col David Lui | 0800-0830 |
| 2 | Pratt & Whitney Welcome | Mr. Thao Nguyen | 0830-0845 |
| 3 | Introduction to Aircraft Combat Survivability | Mr. Chris Adams | 0845-0940 |
| | Break | | 0940-1000 |
| 4 | Kill Chain; 1v1, Mission & Campaign Survivability | Mr. Chris Adams | 1000-1050 |
| 5 | Survivability Enhancement Features | Dr. Mark Couch | 1050-1130 |
| | Lunch | | 1130-1230 |
| 6 | Survivability Assessment and T&E | Dr. Mark Couch | 1230-1320 |
| 7 | Joint Combat Assessment Team | CW5 Cesar Urquiza, Mr Steve Bussell | 1320-1410 |
| | Break | | 1410-1430 |
| 8 | Aircraft Combat Data Analyses | Mr. Jim Rhoads | 1430-1520 |
| 9 | UAS and cUAS Analyses | Mr. Jim Rhoads | 1520-1610 |
| 10 | Day 1 Wrap-Up | Mr. Chris Adams and Dr. Mark Couch | 1610-1630 |

Lessons in red might contain some classified slides that are not in the student notebooks

Day 2

| No. | Lesson | Instructor | Time |
|-----|---|------------------------------------|-----------|
| | Daily Check-In | | 0715-0800 |
| 11 | Review of Day 1 | Mr. Chris Adams and Dr. Mark Couch | 0800-0820 |
| 12 | Current Threats | Ms. Sarah Roth | 0820-0900 |
| 13 | Threat Operations | Dr. Rich Huffman | 0900-0930 |
| | Break | | 0930-0950 |
| 14 | Overview of Susceptibility and Aircraft Signatures | Dr. Rich Huffman | 0950-1040 |
| 15 | Radar Fundamentals | Dr. Rich Huffman | 1040-1130 |
| | Lunch | | 1130-1230 |
| 16 | Electromagnetic Spectrum Operations | Dr. Rich Huffman | 1230-1320 |
| 17 | Infrared Fundamentals (part 1) | Col David Lui | 1320-1410 |
| | Break | | 1410-1430 |
| 18 | Infrared Fundamentals (part 2) | Col David Lui | 1430-1520 |
| 19 | IR Camera Video | Dr. Rich Huffman and Col David Lui | 1520-1540 |
| | Break | | 1540-1600 |
| 20 | The Kill Web | Dr. Rich Huffman | 1600-1630 |
| 21 | Day 2 Wrap-Up | Dr. Rich Huffman and Col David Lui | 1630-1650 |

Day 3

| No. | Lesson | Instructor | Time |
|-----|---|------------------------------------|-----------|
| | Daily Check-In | | 0715-0800 |
| 22 | Review of Day 2 | Dr. Rich Huffman and Col David Lui | 0800-0820 |
| 23 | Threat Effects | Col David Lui | 0820-0910 |
| 24 | Aircraft Cyber Survivability Testing | Dr. William "Data" Bryant | 0910-1000 |
| | Break | | 1000-1020 |
| 25 | Overview of Vulnerability and Critical Components | Mr. Chris Adams | 1020-1100 |
| 26 | Vulnerability Assessment Methodologies and Vulnerability Modeling | Col David Lui | 1100-1150 |
| | Lunch | | 1150-1245 |
| 27 | Vulnerability Reduction Technologies | Dr. Mark Couch | 1245-1345 |
| 28 | Recoverability and Force Protection | Dr. Mark Couch | 1345-1430 |
| | Break | | 1430-1450 |
| 29 | Aircraft Design Considerations and Combat Effectiveness | All | 1450-1545 |
| 30 | Course Wrap-Up | All | 1545-1600 |