

# SIKORSKY

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## TRAINING ACADEMY



# BLACK HAWK PILOT INITIAL QUALIFICATION COURSE

The BLACK HAWK Pilot Initial Qualification Course is intended for current qualified commercial helicopter pilots or military equivalent, with no prior BLACK HAWK helicopter qualifications. This course is intended for pilots to learn from our industry-leading, subject matter experts. Students will complete the Sikorsky S-70i/M VFR or IFR Pilot Training Course at Flight Safety International (Phase 1). During Phase 1 students will receive 38 hours of ground instruction and 8 hours of Systems Integration training conducted on a Ground Flight Simulator. In addition to 16 hours Pilot Flying in a S-70i full motion simulator for the IFR course and 12 hours of Pilot Flying for the VFR course. Upon completion of phase 1 in the simulator at FSI the student will move to Phase 2 pilots and will receive 10.0 hours of Pilot-In-Command time in the aircraft.

Phase 1 covers the following subjects:

- General Aircraft Overview
- Publications
- Crew Resource Management
- Adverse Weather Operations
- Electrical Power System
- Powerplant and Related Systems
- Fire Protection Systems
- Fuel System
- Hydraulic Systems
- Landing Gear and Brakes
- Powertrain
- Automatic Flight Control System
- Main Rotor/Tail Rotor
- Active Vibration Control System
- Flight Management System
- Integrated Cockpit
- Performance Planning

Phase 2 covers the following subjects:

- Phase 2 students will participate in flight training over 10 days.
- Preflight Procedures
- Takeoff and Departure
- Inflight Maneuvers
- Landings and Approaches to Landings
- Flight Director Procedures
- Emergency Procedures
- Post Flight Procedures

## COURSE LENGTH

Campus:

IFR Blackhawk Initial Pilot Training 5 Weeks (24 Training Days)

VFR Blackhawk Initial Pilot Training 5 Weeks (22 Training Days)

## PREREQUISITES

- Students must possess a current commercial helicopter certificate with instrument rating, or military equivalent and a minimum of 500 flight hours in turbine rotorcraft.
- Requirements as listed in General Student Information of the FAQ's.



# BLACK HAWK MAINTENANCE TEST PILOT FAMILIARIZATION TRAINING COURSE

The BLACK HAWK Maintenance Test Pilot Familiarization Training focuses on determining the aircraft airworthiness. Students will utilize aircraft checklists and be shown proven techniques to determine whether the airframe, powerplant, accessories, and other equipment are functioning in accordance with predetermined requirements.

Students will receive 10.0 hours of Second in Command aircraft time.

This course will be conducted in the aircraft and covers the following topics:

- Maintenance Test Flight Preparations
- Preflight Procedures
- Before Starting Engine Checks
- Starting Engine Checks
- Run-Up Checks
- Taxi Checks
- Before Takeoff/Hover Checks
- After Takeoff/Cruise Checks
- After Landing Checks
- Maintenance Test Flight Checks

## COURSE LENGTH

Campus: 2 Weeks (10 Days)

## PREREQUISITES

- Students must possess a current commercial helicopter certificate with instrument rating, or military equivalent and a minimum of 500 flight hours in turbine rotorcraft.
- Students must, within the last 6 months, have 30 hours in type, 20 hours as Pilot in Command in type and 20 hours in specific model.
- Pilots who are not previously qualified in the S-70i/M or H-60M must complete the IFR or VFR BLACK HAWK Pilot Initial Qualification Course (phase 1 and phase 2). Pilots who are previously qualified in the S-70i/M or H-60M aircraft by other than Sikorsky, must complete a proficiency evaluation flight prior to the Maintenance Test Pilot Familiarization Course.
- Requirements as listed in General Student Information of the FAQ's.



# BLACK HAWK INSTRUCTOR PILOT FAMILIARIZATION COURSE

The BLACK HAWK Instructor Pilot Familiarization Course trains instructor pilots on how to safely conduct training in the latest generation of S70i/M BLACK HAWK helicopter.

Students will receive 10 hours of Instructor Pilot Familiarization flight time in the aircraft.

Please note: This course does not fulfill the renewal of flight instructor certificate requirement under 14 CFR 61.197.

This course will be conducted in the aircraft and covers the following topics:

- Flight Preparations
- Preflight Procedures
- Takeoff and Departure
- Inflight Maneuvers
- Landing and Approaches to Landing
- Flight Director Procedures
- Emergency Procedures
- Post Flight Procedures
- Methods of Instruction

## COURSE LENGTH

Campus: 2 Weeks (10 Days)

## PREREQUISITES

- Students must possess a previously qualified and current rotorcraft Certified Flight Instructor, or military Instructor Pilot, in helicopters by their cognizant military/government organization for a turbine helicopter.
- Have a minimum of 1000 flight hours in turbine rotorcraft, of which 500 hours must be Pilot in Command time.
- Students must, within the last 6 months, have 30 hours in type, 20 hours as Pilot in Command in type and 20 hours in specific model.
- Pilots who are not previously qualified in the S-70i/M or H-60M must complete the IFR or VFR BLACK HAWK Pilot Initial Qualification Course. Pilots who have previously qualified in S-70i/M or H-60M aircraft by other than Sikorsky, must complete a proficiency evaluation flight prior to the Instructor Pilot Familiarization Course.
- Requirements as listed in General Student Information of the FAQ's.



# BLACK HAWK MISSION EQUIPMENT FAMILIARIZATION COURSE

The BLACK HAWK Mission Equipment Familiarization Course is organized to familiarize pilots with their specific mission equipment. The course provides the necessary knowledge and proficiency to preflight and operate equipment that is part of the customers unique configuration.

Depending upon the customers aircraft configuration, the syllabus will need to be custom tailored and/or may include the following topics:

- Navigation and Flight Planning
- Search and Rescue Patterns
- External Load/Hoist
- Communications
- Integrated Vehicle Health Monitoring System
- Customer Specific Equipment

Students will receive 5 hours of Second in Command aircraft time.

## COURSE LENGTH

Campus: 1 Week (5 Days)

## PREREQUISITES

- Students must possess a current commercial helicopter certificate with instrument rating, or military equivalent and a minimum of 500 flight hours in turbine rotorcraft.
- Students must, within the last 6 months, have 30 hours in type, 20 hours as Pilot in Command in type and 20 hours in specific model.
- Pilots who are not previously qualified in S-70i/M or H-60M must complete the IFR or VFR BLACK HAWK Pilot Initial Qualification Course. Pilots who are previously qualified in the S-70i/M or H-60M aircraft by other than Sikorsky, must complete a proficiency evaluation flight prior to the start of the Mission Equipment Familiarization Course.
- Requirements as listed in General Student Information of the FAQ's



## BLACK HAWK NIGHT VISION GOGGLE INITIAL COURSE

The BLACK HAWK Night Vision Goggle Initial Course is intended for aircrew members with no prior Night Vision Goggle qualification. This course provides pilots and/or crewmembers with instruction on the characteristics of utilizing NVGs in flight. The course includes classroom instruction and practical exercises as well as in-flight training.

This course covers the following topics:

- NVG Equipment
- Night Vision Orientation
- NVG Terrain Interpretation
- NVG Flight Planning
- NVG Operational Checks
- VMC NVG Takeoff
- Use of Search Light
- NVG Traffic Pattern
- NVG Approach and Landing
- Remote Area of Operations
- Go Around (Wave Off)
- Airspace Surveillance
- Weather Interpretation
- NVG Before-Takeoff Checks
- Hovering Flight with NVGs
- Low Light Conditions
- NVG Deceleration
- Slope Operations

Pilots/Crew Chiefs will receive 5 hours of flight time.

### COURSE LENGTH

Campus: 1 Week (5 Days)

### PREREQUISITES

- This course is available to pilots and crew- members who are previously qualified and current in S-70i/M or H-60M rotorcraft.
- Pilots must possess a current commercial helicopter certificate with instrument rating, or military equivalent and a minimum of 500 flight hours in turbine rotorcraft.
- Requirements as listed in General Student Information of the FAQ's.



## BLACK HAWK CREW CHIEF INITIAL w/ NVG

The BLACK HAWK Chief Initial course w/NVG is intended for crew members to learn from our industry-leading, subject matter experts on the fundamental knowledge necessary to safely perform aircrew duties aboard the S-70 helicopter. Crewmembers will receive instruction utilizing our interactive system trainers, computer-based training modules, and BLACK HAWK trainer aircraft, as well as 8 hours of flight training.

Phase 1 introduces students to aircraft system operational limitations, aeromedical factors and basic aircrew terminology.

Phase 2 students will participate in flight training.

Phase 1 covers the following subjects:

- Aircraft Systems, Avionics, Mission Equipment Descriptions and Operations
- Operating Limitations and Restrictions
- Emergency Procedures and Malfunction Analysis
- Aeromedical Factors

Phase 2 covers the following subjects:

- Participate in a Crew Mission Briefing
- Verify Aircraft Weight and Balance
- Operate Aviation Life Support Equipment
- Prepare Aircraft for Mission
- Perform Pre-Flight Inspection
- Perform Before Starting-through-Leaving Helicopter Checks
- Maintain Airspace Surveillance
- Perform Radio Communications
- Perform Fuel Management Operations
- Perform Slope Operations
- Respond to Emergencies
- Perform APU Operations
- Perform Emergency Egress
- Employ Aviator's Night Vision Imaging System
- Participate in a Crew-Level After-Action Review

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

### COURSE LENGTH

Campus: 3 Weeks (15 Days)

### COURSE PREREQUISITES

- Completion of the Moder BLACK HAWK Maintenance Initial course or the Moder BLACK HAWK Avionics and Electrical course.
- Possess a current FAA class 3 Flight Physical or equivalent.
- Requirements as listed in General Student Information of the FAQ's.



## BLACK HAWK CREW CHIEF INITIAL w/ NVG

The BLACK HAWK Chief Initial course w/NVG is intended for crew members to learn from our industry-leading, subject matter experts on the fundamental knowledge necessary to safely perform aircrew duties aboard the S-70 helicopter. Crewmembers will receive instruction utilizing our interactive system trainers, computer-based training modules, and BLACK HAWK trainer aircraft, as well as 8 hours of flight training.

Phase 1 introduces students to aircraft system operational limitations, aeromedical factors and basic aircrew terminology.

Phase 2 students will participate in flight training.

Phase 1 covers the following subjects:

- Aircraft Systems, Avionics, Mission Equipment Descriptions and Operations
- Operating Limitations and Restrictions
- Emergency Procedures and Malfunction Analysis
- Aeromedical Factors
- Night Mission Operations
- NVG Operations

Phase 2 covers the following subjects:

- Participate in a Crew Mission Briefing
- Verify Aircraft Weight and Balance
- Operate Aviation Life Support Equipment
- Prepare Aircraft for Mission
- Perform Pre-Flight Inspection
- Perform Before Starting-through-Leaving Helicopter Checks
- Maintain Airspace Surveillance
- Perform Radio Communications
- Perform Fuel Management Operations
- Perform Slope Operations
- Respond to Emergencies
- Perform APU Operations
- Perform Emergency Egress
- Employ Aviator's Night Vision Imaging System
- Participate in a Crew-Level After-Action Review

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

### COURSE LENGTH

Campus: 3 Weeks (15 Days)

### COURSE PREREQUISITES

- Completion of the Moder BLACK HAWK Maintenance Initial course or the Moder BLACK HAWK Avionics and Electrical course.
- Possess a current FAA class 3 Flight Physical or equivalent.
- Requirements as listed in General Student Information of the FAQ's.



## BLACK HAWK CREW CHIEF ADVANCED

The BLACK HAWK Chief Advanced Course is intended for crew members to learn from our industry-leading, subject matter experts on the fundamental knowledge necessary to safely perform aircrew duties aboard the S-70 helicopter. Crewmembers will receive 6 hours of flight training utilizing our BLACK HAWK trainer aircraft.

Phase 1 introduces students to aircraft system operational limitations and mission operation.

Phase 2 students will participate in flight training.

Phase 1 covers the following subjects:

- Aircraft Systems, Avionics, Mission Equipment Descriptions and Operations
- Operating Limitations and Restrictions
- Emergency Procedures and Malfunction Analysis
- Mission Operations Participate in a Crew Mission Briefing
- Operate Aviation Life Support Equipment
- Prepare Aircraft for Mission

Phase 2 covers the following subjects:

- Perform Pre-Flight Inspection
- Perform Before Starting-through-Leaving Helicopter Checks
- Maintain Airspace Surveillance
- Perform Radio Communications
- Respond to Emergencies
- Participate in a Crew-Level After-Action Review
- Perform External (Sling) Load Operation
- Perform Rescue Hoist Operations

Models covered include:

- S-70I
- S-70M
- UH-60M (Common Systems)

### **UCOURSE LENGTH**

Campus: 1 Week (5 Days)

### **COURSE PREREQUISITES**

- Completion of the BLACK HAWK Crew Chief Initial course.
- Possess a current FAA class 3 flight physical or equivalent.
- Requirements as listed in General Student Information of the FAQ's.



## BLACK HAWK CREW CHIEF ADVANCED w/ NVG

The BLACK HAWK Crew Chief Advanced course w/NVG is intended for crew members to learn from our industry-leading, subject matter experts on the fundamental knowledge necessary to safely perform aircrew duties aboard the S-70 helicopter. Crewmembers will receive 10 hours of flight training utilizing our BLACK HAWK trainer aircraft.

Phase 1 introduces students to aircraft system operational limitations and mission operation.

Phase 2 students will participate in flight training.

Phase 1 covers the following subjects:

- Aircraft Systems, Avionics, Mission Equipment Descriptions and Operations
- Operating Limitations and Restrictions
- Emergency Procedures and Malfunction Analysis
- Mission Operations
- Night Mission Operation
- NVG Operation

Phase 2 covers the following subjects:

- Participate in a Crew Mission Briefing
- Operate Aviation Life Support Equipment
- Prepare Aircraft for Mission
- Perform Pre-Flight Inspection
- Perform Before Starting-through-Leaving Helicopter Checks
- Maintain Airspace Surveillance
- Perform Radio Communications
- Respond to Emergencies
- Employ Aviator's Night Vision Imaging System
- React to Aviator's Night Vision Imaging System Failure
- Participate in a Crew-Level After-Action Review
- Perform External (Sling) Load Operation
- Perform Rescue Hoist Operations
- Employ Aviator's Night Vision Imaging System

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

### COURSE LENGTH

Campus: 2 Week (10 Days)

### COURSE PREREQUISITES

- Completion of the BLACK HAWK Crew Chief Initial w/NVG course.
- Possess a current FAA class 3 Flight Physical or equivalent.
- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK MAINTENANCE INITIAL

The Modern BLACK HAWK Maintenance Initial course provides technicians with the necessary knowledge to accurately troubleshoot, diagnose, and repair aircraft system malfunctions. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they perform removal and installations, test, and inspections on helicopter components.

Technicians will receive a minimum of 60 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Powerplant System
- Powertrain Systems
- Main Tail Rotor Systems
- Hydraulic Power System
- Mechanical Flight Controls
- Automatic Flight Control System (AFCS)
- Landing Gear
- Avionics and Electrical System
- Auxiliary Power Unit System
- Pneumatic System
- Fuel System
- Active Vibration Control System (AVCS)
- Weight and Balance
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70I
- S-70M
- UH-60M (Common System)

### COURSE LENGTH

Campus: 4 Weeks (20 days)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK AVIONICS AND ELECTRICAL INITIAL

The Modern BLACK HAWK Avionics and Electrical Initial course provides technicians with the necessary knowledge to accurately troubleshoot, diagnose, and repair aircraft system malfunctions. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they perform removal and installations, adjustments, and inspections on helicopter avionic components.

Technicians will receive a minimum of 60 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Aircraft Wiring
- Flight Managements System (FMS)
- Flight Mission Display System (FMDS)
- Communications Systems
- Navigation Systems
- Electrical System
- Aircraft Lighting
- Powerplant System
- Mechanical Flight Controls
- Automatic Flight Control System (AFCS)
- Landing Gear
- Auxiliary Power Unit System
- Pneumatic System
- Fuel System
- Active Vibration Control System (AVCS)
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70i
- S-70M
- UH-60M (Common System)

### COURSE LENGTH

Campus: 4 Weeks (20 days)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## S-70 MAINTENANCE DIFFERENCES

The S-70 Maintenance Differences course provides technicians with the necessary knowledge to transition from the Legacy BLACK HAWK Helicopter to the Modern BLACK HAWK. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they perform removal and installations, adjustments, O-level repairs, and inspections on helicopter components.

Technicians will receive a minimum of 18 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Differences Overview
- Automatic Vibration Control System (AVCS)
- Flight Control System
- Rotor Brake System
- Automated Flight Control System (AFCS)
- Folding Stabilator
- Integrated Vehicle Health Management System (IVHMS)
- Helicopter Terrain Avoidance Warning System (HTAWS)
- Communication System
- Common Mission Equipment
- Flight Management System (FMS)
- Flight/Mission Display Systems (F/MDS)
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70i
- S-70M
- UH-60M (Common System)

### COURSE LENGTH

Campus: 2 Weeks (10 day)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK MAINTENANCE MANAGER

The BLACK HAWK Maintenance Manager course is intended to enhance the Maintenance Supervisors' understanding of management programs and tools used to track, monitor, and record maintenance activities as they pertain to the BLACK HAWK helicopter. Managers will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise how to streamline organizing, scheduling, and maintenance planning process.

Technicians will receive a minimum of 4 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Aircraft Systems
- Maintenance Program Management
- Maintenance Management Tools

Models covered include:

- S-70i
- S-70M

### COURSE LENGTH

Campus: 2 Weeks (10 days)

1 Week (5 Days) with previous completion of MODERN BLACK HAWK MAINTENACNE, AVIONICS AND ELECTRICAL, or COMBINE COURSE

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK QUALITY ASSURANCE & INSPECTOR

The Modern BLACK HAWK Quality Assurance and Inspector course trains technicians on the quality control program requirements and responsibilities, technical inspector responsibilities, and component inspections procedures. Students will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise on Aircraft Logbook and maintenance documentation tracking, the use of maintenance tracking tools, and Sonic Tap Testing procedures.

Technicians will receive a minimum of 8 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Quality Control Program
- Preventative Maintenance Inspections
- Quality Control Responsibilities
- Technical Inspector Responsibilities
- Aircraft Logbook and Maintenance Documentation
- Sonic Tap Testing

Models covered include:

- S-70i
- S-70M

### COURSE LENGTH

Campus: 2 Weeks (10 days)

1 Week (5 Days) with previous completion of MODERN BLACK HAWK MAINTENACNE, AVIONICS AND ELECTRICAL, or COMBINED COURSE

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK FLIGHT CONTROL RIGGING

The Modern BLACK HAWK Flight Control Rigging course provides technicians with the necessary knowledge to perform flight control rigging and troubleshooting procedures. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise on engine rigging procedures, as well as flight control complete rigging and rig check procedures. Technicians will receive classroom instruction, and a minimum of 28 hours of practical exercises utilizing our BLACK HAWK aircraft trainer.

The following subjects will be covered

- Flight Control Rigging Requirements
- General Rigging Procedure
- Main Rotor Complete Rig Procedures
- Main Rotor Rig Check Procedures
- Tail Rotor Complete Rig Procedures
- Tail Rotor Rig Check Procedures
- Engine Rigging Procedures
- Mechanical Flight Control Troubleshooting Procedures
- Flight Control Rigging Tools and Test Equipment.

Models covered include:

- S-70i
- S-70M

### COURSE LENGTH

Campus: 1 Week (5 Days)

### COURSE PREREQUISITES

- Completion of the S-70i/M Maintenance Initial, Modern BLACK HAWK Avionics and Electrical Initial, or Modern BLACK HAWK Combined Maintenance and Avionics course.
- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK INTEGRATED VEHICLE HEALTH MANAGEMENT SYSTEM

The Modern BLACK HAWK Integrated Vehicle Health Management System course provides technicians with the necessary knowledge to use the aircraft's On-Board System (OBS) and Integrated vehicle Health Management System (IVHMS) ground stations. Technicians will learn from our industry-leading, subject matter experts on removal and installation, adjustments, and inspections related to installed IVHMS equipment. Technicians will receive classroom instruction, and a minimum of 8 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Helicopter IVHMS
- IVHMS Ground Station Operation
- Data Retrieval
- Reviewing Helicopter Diagnostics

Models covered include:

- S-70i
- S-70M

## COURSE LENGTH

Campus: 1 Week (5 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK PHASE MAINTENANCE INSPECTION

The Modern BLACK HAWK Phase Maintenance Inspection course provides technicians with the necessary knowledge to prepare, manage, and execute PMI 1 and 2 inspections. Technicians will learn from our industry-leading, subject matter experts on Pre-phase preparation procedures, phase management techniques, PMI 1 and 2 inspections, and post phase maintenance requirements. Technicians will receive classroom instruction and a minimum of 60 hours of practical exercises utilizing our BLACK HAWK trainer. Practical exercises included in this course have not been previously covered in the maintenance or avionics course.

Subjects covered include:

- PMI Technical Publication Overview
- PMI Intervals
- Phase Preparation
- Phase Management
- Aircraft Inspection Areas 1-6
- PMI 1 and PMI 2 inspections
- Post Phase Maintenance
- Additional inspections

Models covered include:

- S-70i
- S-70M

### COURSE LENGTH

Campus: 2 Week (10 Days)

### COURSE PREREQUISITES

- Completion of the Modern BLACKHAWK Maintenance Initial, Modern BLACK HAWK Avionics and Electrical Initial, or Modern BLACK HAWK Combined Maintenance and Avionics course.
- Requirements as listed in General Student Information of the FAQ's.



## BLACK HAWK WIDE CHORD O-LEVEL BLADE REPAIR

The BLACK HAWK WIDE CHORD O-Level Blade Repair course provides technicians with the necessary knowledge to perform repairs on the main and tail rotor blades. Technicians will learn from our industry-leading, subject matter experts on Main and Tail Rotor blade inspections, Main and Tail Rotor blade repair procedures, and Coin Tapping Procedures. Technicians will receive classroom instruction, and a minimum of 20 hours of practical exercises utilizing our BLACK HAWK trainer.

Subjects covered include:

- Main and Tail Rotor System Overview
- Main and Tail Rotor Blade Construction
- Main and Tail Rotor Blade Attachment
- Types of Damage
- Damage Criteria
- Acceptable Repairs

### COURSE LENGTH

Campus: 5 Days

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK AIRCRAFT FAMILIARIZATION

The Modern BLACK HAWK Aircraft Familiarization course provides technicians and operators with fundamental knowledge of the BLACK HAWK helicopter. Students will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise on BLACK HAWK mechanical, structural, avionic, and electrical systems.

Technicians will receive a minimum of 25 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- General Configuration
- Powerplant System
- Transmission and Drivetrain System
- Hydraulic System
- Electrical System
- Fuel System
- Flight Control System
- Avionic System
- Fire Protection System
- Auxiliary Powerplant System
- Landing Gear
- Utility Systems
- Ground Handling

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

### COURSE LENGTH

Campus: 1 Week (5 day)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK COMBINED MAINTENANCE AND AVIONICS

The Modern BLACK HAWK Combined Maintenance and Avionics course provides technicians with the necessary knowledge to accurately troubleshoot, diagnose, and repair aircraft system malfunctions. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they perform removal and installations, adjustments, O-level repairs, and inspections on helicopter components.

Technicians will receive a minimum of 75 hours of practical exercises utilizing our interactive system trainers and computer-based training modules, as well as our BLACK HAWK trainer aircraft.

Subjects covered include:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Powerplant System
- Powertrain Systems
- Main Tail Rotor Systems
- Hydraulic Power System
- Mechanical Flight Controls
- Automatic Flight Control System (AFCS)
- Landing Gear
- Avionics and Electrical System
- Auxiliary Power Unit System
- Pneumatic System
- Fuel System
- Active Vibration Control System (AVCS)
- Aircraft Wiring
- Flight Managements System (FMS)
- Flight Mission Display System (FMDS)
- Communications Systems
- Navigation Systems
- Electrical System
- Aircraft Lighting
- Weight and Balance
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

## COURSE LENGTH

Campus: 5 Weeks (25 days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK MAINTENANCE PRACTICAL

The Modern BLACK HAWK Maintenance Practical (5 Day) course offers technicians an opportunity to further their knowledge and skills by performing maintenance practicals with our industry-leading, subject matter experts. This is a fast-paced course designed to save time away from home by building upon the subjects covered during the theory courses, allowing technicians to further their systems knowledge.

Training focuses on removal, inspection, installation and testing of aircraft components and systems. Subjects covered include:

- Powerplant System
- Powertrain Systems
- Main Tail Rotor Systems
- Hydraulic System
- Mechanical Flight Controls
- Automatic Flight Control System (AFCS)
- Landing Gear
- Auxiliary Power Unit System
- Pneumatic System
- Fuel System
- Active Vibration Control System (AVCS)
- Weight and Balance

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

### COURSE LENGTH

Campus: 1 Week (5 Days)

### COURSE PREREQUISITES

- Technicians shall have completed the corresponding online Maintenance Theory Course.
- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK AVIONICS PRACTICAL

The Modern BLACK HAWK Avionics Practical (5 Day) course offers technicians an opportunity to further their knowledge and skills by performing maintenance practicals with our industry-leading, subject matter experts. This is a fast-paced course designed to save time away from home by building upon the subjects covered during the theory courses, allowing technicians to further their systems knowledge. As a prerequisite technicians shall have completed the corresponding online Avionics Theory Course.

Training focuses on removal, inspection, installation and testing of aircraft components and systems. Subjects covered include:

- Powerplant System
- Hydraulic System
- Mechanical Flight Controls
- Automatic Flight Control System (AFCS)
- Auxiliary Power Unit System
- Pneumatic System
- Fuel System
- Active Vibration Control System (AVCS)
- Aircraft Wiring
- Flight Managements System (FMS)
- Flight Mission Display System (FMDS)
- Communications Systems
- Navigation Systems
- Electrical System

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

### COURSE LENGTH

Campus: 1 Week (5 Days)

### COURSE PREREQUISITES

- Technicians shall have completed the corresponding online Avionics and Electrical Theory Course.
- Requirements as listed in General Student Information of the FAQ's.



## S-70 AVIATION LIFE SUPPORT EQUIPMENT

The S-70 Aviation Life Support Equipment course provides technicians with the necessary knowledge to accurately perform inspections and adjustments of life support equipment. Technicians will learn from our industry-leading, subject matter experts as they perform fittings, adjustments, and O-level repairs of ALSE gear to ensure crewmember safety. Training includes a minimum of 25 hours of practical exercises.

Subjects covered include:

- General Aircraft Overview
- Crewmember Helmet
- Crewmember Survival Vest
- Survival Vest Mounted Equipment
- Crewmember Protection Equipment
- Aircraft Fire Bottles
- Misc. Aircraft ALSE Furnishings

### COURSE LENGTH

Campus: 2 Weeks (10 days)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK MAINTENANCE INITIAL THEORY

The Modern BLACK HAWK Maintenance Initial Theory course provides technicians with the necessary knowledge to accurately troubleshoot and diagnose aircraft system malfunctions. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they are introduced to helicopter component descriptions and system principles of operation on the subjects listed below.

The following subjects will be covered:

- Publications
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Aircraft Sections
- General Configuration
- Aircraft Interior Components
- Aircraft Lighting
- Utility Systems
- Powerplant System
- Powertrain Systems
- Main Tail Rotor Systems
- Hydraulic Power System
- Mechanical Flight Controls
- Automatic Flight Control System (AFCS)
- Landing Gear
- Avionics and Electrical System
- Auxiliary Power Unit System (APU)
- Pneumatic System
- Fuel System
- Active Vibration Control System
- Weight and Balance
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

## COURSE LENGTH

Computer Based Training – 3 Weeks (15 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# LEGACY BLACK HAWK MAINTENANCE INITIAL THEORY

The Legacy BLACK HAWK Maintenance Initial Theory course provides technicians with the necessary knowledge to accurately troubleshoot and diagnose aircraft system malfunctions. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they are introduced to helicopter component descriptions and system principles of operation on the subjects listed below.

The following subjects will be covered:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Aircraft Sections
- General Configuration
- Aircraft Interior Components
- Aircraft Lighting
- Utility Systems
- Powerplant System
- Powertrain Systems
- Main Tail Rotor Systems
- Hydraulic Power System
- Mechanical Flight Controls
- Automatic Flight Control System (AFCS)
- Landing Gear
- Avionics and Electrical System
- Auxiliary Power Unit System (APU)
- Pneumatic System
- Fuel System
- Weight and Balance
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70A
- UH-60A (Common Systems)
- UH-60L (Common Systems)

## COURSE LENGTH

Computer Based Training: 3 Weeks (15 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK AVIONICS AND ELECTRICAL THEORY

The Modern BLACK HAWK Avionics and Electrical Theory course provides technicians with the necessary knowledge to accurately troubleshoot and diagnose avionic system malfunctions. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they are introduced to helicopter component descriptions and system principles of operation on the subjects listed below.

The following subjects will be covered:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Aircraft Systems Overview
- Aircraft Wiring
- Automated Flight Control System (AFCS)
- Flight Managements System (FMS)
- Flight Mission Display System (FMDS)
- Communications Systems
- Navigation Systems
- Electrical System
- Aircraft Lighting
- Integrated Vehicle Health Monitoring System (IVHMS)
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

### COURSE LENGTH

Computer Based Training: 3 Weeks (15 Days)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## LEGACY BLACK HAWK AVIONICS AND ELECTRICAL THEORY

The Legacy BLACK HAWK Avionics and Electrical Theory course provides technicians with the necessary knowledge to accurately troubleshoot and diagnose avionic system malfunctions. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they are introduced to helicopter component descriptions and system principles of operation on the subjects listed below.

The following subjects will be covered:

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Aircraft Systems Overview
- Aircraft Wiring
- Automated Flight Control System (AFCS)
- Communications Systems
- Navigation Systems
- Electrical System
- Aircraft Lighting
- Integrated Vehicle Health Monitoring System (IVHMS)
- Component Adjustments
- Component Inspections
- Troubleshooting

Models covered include:

- S-70A
- UH-60A (Common Systems)
- UH-60L (Common Systems)

### COURSE LENGTH

Computer Based Training: 3 Weeks (15 Days)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK MAINTENANCE DIFFERENCES THEORY

The Modern BLACK HAWK Maintenance Differences Theory course provides technicians with the necessary knowledge to transition from the Legacy BLACK HAWK Helicopter to the Modern BLACK HAWK. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they are introduced to helicopter component descriptions and system principles of operation on the subjects listed below.

The following subjects will be covered:

- Aircraft Differences Overview
- Drivetrain System Upgrades
- Automatic Vibration Control System (AVCS)
- Flight Control System
- Rotor Brake System
- Automated Flight Control System (AFCS)
- Folding Stabilator
- Integrated Vehicle Health Management System (IVHMS)
- EMI/ESD Protection
- Helicopter Terrain Avoidance Warning System (HTAWS)
- Communication System
- Common Mission Equipment
- Flight Management System (FMS)
- Flight/Mission Display Systems (F/MDS)

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

## COURSE LENGTH

Computer Based Training: 2 Weeks (10 Days)

## COURSE PREREQUISITES

- Legacy BLACK HAWK experience.
- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK MAINTENANCE MANAGER THEORY

The MODERN BLACK HAWK Maintenance Manager Theory course is intended to enhance the understanding of management programs and tools used to track, monitor, and record maintenance activities as they pertain to the BLACK HAWK helicopter. This course is designed to save time away from home by offering instructor assisted computer-based training. Managers will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise how to streamline organizing, scheduling, and maintenance planning process.

The following subjects will be covered

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Aircraft Systems
- Maintenance Program Management
- Maintenance Management Tools

Models covered include:

- S-70i
- S-70M

### COURSE LENGTH

Computer Based Training: 2 Weeks (10 Days)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK QUALITY ASSURANCE AND INSPECTOR THEORY

The Modern BLACK HAWK Quality Assurance and Inspector Theory course is trains technicians on the quality control program requirements and responsibilities, technical inspector responsibilities, and component inspections procedures. This course is designed to save time away from home by offering instructor assisted computer-based training. Students will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise on Aircraft Logbook and maintenance documentation tracking, the use of maintenance tracking tools, and Sonic Tap Testing procedures.

The following subjects will be covered

- Publications Overview
- EMI/ESD Protection
- Corrosion Control
- General Aircraft Overview
- Quality Control Program
- Preventative Maintenance Inspections
- Quality Control Responsibilities
- Technical Inspector Responsibilities
- Aircraft Logbook and Maintenance Documentation
- Sonic Tap Testing

Models covered include:

- S-70i
- S-70M

## COURSE LENGTH

Computer Based Training: 2 Weeks (10 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK INTEGRATED VEHICLE HEALTH MANAGEMENT SYSTEM THEORY

The Modern BLACK HAWK Integrated Vehicle Health Management System Theory course provides technicians with the necessary knowledge to use the aircraft's on-board system (OBS) and Integrated vehicle Health Management System (IVHMS) ground stations. This course is designed to save time away from home by offering instructor assisted computer-based training. Students will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they are introduced to IVHMS equipment and operations.

The following subjects will be covered

- Helicopter IVHMS
- IVHMS Ground Station Operation
- Data Retrieval
- Reviewing Helicopter Diagnostics

Models covered include:

- S-70i
- S-70M

## COURSE LENGTH

Computer Based Training: 1 Weeks (5 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



## S-70 UPDATES AND RECURRING TRAINING

The S-70 Updates and Recurring Training course provides technicians and operators with OEM updates and recurring training on the BLACK HAWK helicopter. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise on the subjects listed below.

The following subjects will be covered

- General Aircraft Overview
- General Configuration
- Technical Publication Change
- Maintenance Procedures
- Alert Service Bulletins (ASB)
- Airworthiness Directives (AD)
- Best Practices

Models covered include:

- S-70i
- S-70M

### COURSE LENGTH

Computer Based Training: 1 week (5 days)

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK AIRCRAFT FAMILIARIZATION THEORY

The Modern BLACK HAWK Aircraft Familiarization Theory course provides operators and technicians with an introductory knowledge of the BLACK HAWK helicopter's mechanical, structural, avionics, AFCS, and electrical systems. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise on the subjects listed below.

The following subjects will be covered

- General Aircraft Overview
- Aircraft Systems
- Powerplant Systems
- Transmission and Drivetrain Systems
- Fire Protection Systems
- Hydraulic Power Systems
- Flight Controls
- Inspections

Models covered include:

- S-70i
- S-70M
- UH-60M (Common Systems)

## COURSE LENGTH

Computer Based Training: 1 week (5 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# LEGACY BLACK HAWK AIRCRAFT FAMILIARIZATION THEORY

The Legacy BLACK HAWK Aircraft Familiarization Theory course provides operators and technicians with an introductory knowledge of the BLACK HAWK helicopter's mechanical, structural, avionics, AFCS, and electrical systems. This course is designed to save time away from home by offering instructor assisted computer-based training. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise on the subjects listed below.

The following subjects will be covered

- General Aircraft Overview
- Aircraft Systems
- Powerplant Systems
- Transmission and Drivetrain Systems
- Fire Protection Systems
- Hydraulic Power Systems
- Flight Controls
- Inspections

Models covered include:

- S-70A
- UH-60A (Common Systems)
- UH-60L (Common System)

## COURSE LENGTH

Computer Based Training: 1 week (5 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK ADVANCED MAINTENANCE COURSE

The Modern BLACK HAWK Advanced Maintenance Course builds upon the Modern BLACK HAWK Maintenance Initial Course to further the technician's knowledge and skills through classroom instruction and hands on practical exercises. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they perform removal and installations, as well as o-level and bench, repairs, inspections, and testing of aircraft components and systems.

Technicians will receive a minimum of 50 hours of practical exercises utilizing interactive system trainers, computer-based training modules, and actual aircraft parts as well as our BLACK HAWK trainer aircraft.

The subjects covered include:

- Powerplant System
- Powertrain Systems
- Main & Tail Rotor Systems
- Hydraulic Power System
- Flight Controls
- Landing Gear
- Auxiliary Power Unit System
- Pneumatic System
- Fuel System
- Active Vibration Control System

Models covered include:

- S-70i
- S-70M

## COURSE LENGTH

Campus: 2 weeks (10 Days)

## COURSE PREREQUISITES

- Completion of the Modern BLACK HAWK Maintenance Initial course or the Modern BLACK HAWK Combined Maintenance and Avionics course.
- Requirements as listed in General Student Information of the FAQ's.



## MODERN BLACK HAWK ADVANCED AVIONICS COURSE

The Modern BLACK HAWK Advanced Avionics Course builds upon the Modern BLACK HAWK Avionics and Electrical Initial course to further the technician's knowledge and skills through classroom instruction and hands-on practical exercises. Technicians will learn from our industry-leading, subject matter experts leveraging our unique OEM expertise as they perform removal and installations, as well as o-level and bench, repairs, inspections, adjustment, and testing of aircraft components and systems.

Technicians will receive a minimum of 50 hours of practical exercises utilizing interactive system trainers, computer-based training modules, and actual aircraft parts as well as our BLACK HAWK trainer aircraft.

The subjects covered include:

- Powerplant System
- Hydraulic Power System
- Flight Controls
- Auxiliary Power Unit System
- Pneumatic System
- Fuel System
- Aircraft Wiring
- Active Vibration Control System
- Flight Management System
- Flight Mission Display System
- Communications System
- Navigation Systems
- Electrical Systems

Models covered include:

- S-70i
- S-70M

### COURSE LENGTH

Campus: 2 weeks (10 Days)

### COURSE PREREQUISITES

- Completion of the Modern BLACK HAWK Avionics and Electrical Initial course or the Modern BLACK HAWK Combined Maintenance and Avionics course.
- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK MASTER TECHNICIAN PROGRAM

The Modern BLACK HAWK Master Technician Program provides technicians an opportunity to further their knowledge and skills through classroom instruction and hands-on practical exercises. This newly developed program was designed for the maintenance technicians to further advance their skills. The Master Technician program was developed by our industry-leading, subject matter experts leveraging our unique OEM expertise. The program is designed to enhance your mechanical and technical abilities to develop more advance skills to becoming a Master Technician.

The following path leads to a Master Technician:

- Tier 1
  - Modern BLACK HAWK Combined Maintenance and Avionics Course (Preferred)
  - OR Modern BLACK HAWK Maintenance Initial Course
  - OR Modern BLACK HAWK Avionics and Electrical Initial Course
- Tier 2
  - Modern BLACK HAWK Flight Control Rigging course
- Tier 3
  - Modern BLACK HAWK Phase Maintenance Inspection course
- Tier 4
  - Modern BLACK HAWK Advanced Maintenance Course OR Modern BLACK HAWK Advanced Avionics Course

Models covered include:

- S-70i
- S-70M

## PROGRAM LENGTH

Campus: 9 to 10 weeks depending upon Tier 1 course chosen (45 to 50 Days)

## COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.



# MODERN BLACK HAWK MASTER TECHNICIAN SPECIALIZATION PROGRAM

The S-70i™/S-70M™ Master Technician Specialization Program provides technicians an opportunity to build upon the Master Technician program with an area focus on either Maintenance Management or Quality Assurance. This newly developed program was designed for the maintenance technicians to further advance their skills and expertise. The Mater Technician Specialization Program was developed by our industry-leading, subject matter experts leveraging our unique OEM expertise.

The Areas of Specialization are:

- Maintenance Manager
  - BLACK HAWK Maintenance Manager Course
  - Modern BLACK HAWK Integrated Vehicle Health Management System Course
- Quality Assurance
  - Modern BLACK HAWK Quality Assurance and Inspector Course
  - Modern BLACK HAWK Integrated Vehicle Health Management System Course

Models covered include:

- S-70i
- S-70M

## PROGRAM LENGTH

Campus: 2 Weeks (10 Days)

## COURSE PREREQUISITES

- Completion of Modern BLACK HAWK Master Technician Program
- Requirements as listed in General Student Information of the FAQ's.



## BLACK HAWK NARROW CHORD O-LEVEL BLADE REPAIR

The BLACK HAWK Narrow Cord Blade O-Level Blade Repair course provides technicians with the necessary knowledge to perform repairs on the main and tail rotor blades. Technicians will learn from our industry-leading, subject matter experts on Main and Tail Rotor blade inspections, Main and Tail Rotor blade repair procedures, and Coin Tapping Procedures. Technicians will receive classroom instruction, and a minimum of 20 hours of practical exercises utilizing our BLACK HAWK trainer.

Subjects covered include:

- Main and Tail Rotor System Overview
- Main and Tail Rotor Blade Construction
- Main and Tail Rotor Blade Attachment
- Types of Damage
- Damage Criteria
- Acceptable Repairs

### COURSE LENGTH

Campus: 5 Days

### COURSE PREREQUISITES

- Requirements as listed in General Student Information of the FAQ's.