

BLACKHAWK INITIAL QUALIFICATION COURSE

The **BLACKHAWK®** Pilot Initial Qualification Course is intended for current qualified commercial helicopter pilots with instrument rating or military equivalent, with no prior **BLACKHAWK** helicopter qualifications to learn from our industry leading subject matter experts. Students will receive 10 hours of Systems Integration training conducted on a Ground Flight Simulator; in addition to 200 hours Pilot in Command simulator time, and 100 hours of Second in Command aircraft time.

Phase 1 provides ground school academics and full flight simulation training over 19 days.

Phase 2 students will participate in flight training over 10 days.

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:

- Flight Repairs
- Refight Procedures
- Takeoff and Departure
- Inflight Maneuvers
- Landings and Approaches to Landings
- Flight Director Procedures
- Emergency Procedures
- Post Flight Procedures

COURSE LENGTH

Campus 6 Weeks (29 Days)

PREREQUISITES

P Students must be a Pilot in Command (PIC) of a current commercial helicopter.

BLACKHAWK™ TRANSITION COURSE

The BLACKHAWK™ Pilot Transition Course trains pilots previously qualified legacy S70™/H60 aircraft on the latest generation of the BLACKHAWK helicopter. Students will receive 7 hours of Systems Integration training conducted on a Ground Flight Simulator; in addition to 10 hours Pilot in Command simulator time, and 10 hours of Second in Command aircraft time.

BACK-MANNEVER SPECIFICATION

BACKHAWK MAINTENANCE TEST FLIGHT DIFFERENCES COURSE

The BACKHAWK Maintenance Test Flight Differences Course leverages the experience of our industry leading subject matter experts to train pilots previously qualified legacy S70H60 aircraft on the latest generation of the BACKHAWK helicopter. Training focuses on system differences from legacy models.

Students will receive 50 hours of Second in Command aircraft time.

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

Maintenance Test Flight Repairs

Refight Procedures

Before Start Operations

BLACKHAWK INSTRUCTOR PILOT REFRESHER COURSE

The BLACKHAWK Instructor Pilot Refresher Course trains previously qualified instructor pilots on how to safely conduct training in the latest generation of BLACKHAWK helicopter. Students will learn from our industry leading subject matter experts, leveraging our unique OEM expertise.

Students will receive 5 hours of Second in Command aircraft time. This course does not fulfill the renewal of flight instructor certificate requirement under 14CFR61.197.

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

- Flight Preparations**
- Pre-flight Procedures**
- Takeoff and Departure**
- In-flight Maneuvers**
- Landing and Approaches to Landing**
- Flight Director Procedures**
- Emergency Procedures**
- Post Flight Procedures**
- Methods of Instruction**

COURSE LENGTH

Campus 1 Week (5 Days)

BACK-HAWK REFRESHER COURSE

Pilot must stay sharp and current with their understanding of the aircraft systems, knowledge of flight maneuvers, and the ability to operate as an effective crew member:

The BACK-HAWK Refresher Course targets pilots who have attended an Initial or Transition course and are required to attend annual training or have not flown the aircraft for an extended period

This course is conducted in the aircraft and covers the following topics

- Flight Repairs**
- Refight Procedures**
- Takeoff and Departure**
- Inflight Manuals**
- Landings and Approaches to Landings**
- Flight Director Procedures**
- Emergency Procedures**

BACKHAWK NIGHT VISION GOGGLE INITIAL COURSE

The **BACKHAWK Night Vision Goggle Initial Course** is intended for aircrew members with no prior Night Vision Goggle qualification. This course provides pilots and/or crew members 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:

- NG Equipment**
- Night Vision Orientation**
- NG Terrain Interpretation**
- NG Flight Planning**
- NG Operational Checks**
- VMC NG Takeoff**
- Use of Searchlight**
- NG Traffic Pattern**
- NG Approach and Landing**
- Landing in Brightly Lighted Areas**

- Remote Area of Operations**
- Go Around (Wae Off)**
- Airspace Surveillance**
- Weather Interpretation**
- NG Before Takeoff Checks**
- Having Flight with NVGs**
- Low Light Conditions**
- NG Deceleration**
- Slope Operations**

Flts/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 the latest generation S-70 or H-60 rotorcraft.

BACKMOUNTING ON COCKPIT COURSE

CREWCHIEF

The **BACKHAWK** Crew Chief Initial course is intended for crewmembers 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 **BACKHAWK** 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

x Participate in a Crew Mission Briefing
< Verify Aircraft Weight and Balance
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CREW CHIEF INITIAL TRAINING

The **BACKHAWK** Chief Initial course w/NG is intended for crewmembers 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,

CREW CHIEF ADVANCED w/NG

The **BLACKHAWK Crew Chief Advanced course w/NG** is intended for crewmembers 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 **BLACKHAWK** 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
- NG Operation

Phase 2 covers the following subjects

- Participate in a Crew Mission Briefing
- Operate Aviation Life Support Equipment
- Repare 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

COURSE LENGTH

Campus 2 Week (10 Days)

COURSE PREREQUISITES

- Completion of the Crew Chief Initial w/NG course
- Possess a current FAA class 3 Flight Physical or equivalent
- Requirements as listed in General Student Information of the FAQs

S70A MAINTENANCE

The S70A™ 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, adjustments, O-level repairs, 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 BLACKHAWK trainer aircraft.

Subjects covered include:

Publications Overview
EM/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
Weight and Balance
Component Adjustments
Component Inspections
Troubleshooting

COURSE LENGTH

S70A AVIONICS AND ELECTRICAL

The S70A 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, O-level repairs, and inspections on helicopter avionics components.

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

Subjects covered include:

Publications Overview
EM/ESD Protection
Corrosion Control
General Aircraft Overview
Aircraft Wiring
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
Component Adjustments
Component Inspections
Troubleshooting

COURSE LENGTH

Campus 4 Weeks (20 days)

COURSE PREREQUISITES

Requirements as listed in General Student Information of the FAQs

STOMACH AND DIGESTION

S70 QUALITY ASSURANCE & INSPECTOR

The S70 Quality Assurance and Inspector course trains technicians on the quality control program requirements and responsibilities, technical inspector responsibilities, and component inspections

STOICHCORRCING

INTEGRATED HELICOPTER HEALTH MANAGEMENT SYSTEM

The S70 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 (IHMS) ground stations. Technicians will learn from our industry leading subject matter experts on removal and installation, adjustments, and inspections related to installed IHMS 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 IHMS**
- IHMS Ground Station Operation**
- Data Retrieval**
- Reviewing Helicopter Diagnostics**

COURSE LENGTH

S70 PHASE MAINTENANCE INSPECTION

The S70 Phase Maintenance Inspection course provides technicians with the necessary knowledge to prepare, manage, and execute PM 1 and 2 inspections. Technicians will learn from our industry-leading subject matter experts on Pre-phase preparation procedures, phase management techniques, PM 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 BLACKHAWK trainer. Practical exercises included in this course have not been previously covered in the maintenance or avionics course.

Subjects covered include:

PM Technical Publication Overview

PM Intervals

Phase Preparation

Phase Management

Aircraft Inspection Areas 1-6

PM 1 and PM 2 duties

S700 LEVEL BLADE REPAIR

The S700 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 Con Tapping Procedures. Technicians will receive classroom instruction, and a minimum of 20 hours of

S70 FAMILIARIZATION

The S70 Familiarization course provides technicians and operators with fundamental knowledge of the BLACKHAWK helicopter. Students will learn from our industry leading subject matter experts leveraging our unique OEM expertise on BLACKHAWK mechanical, structural, avionic, and electrical systems.

S70/S70MAVIC RACTICAL (5 DAY)

The S70/S70MAvic Ractical (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

S70A/UH60LM MAINTENANCE INITIAL THEORY

The S70A/UH60LM 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 the job 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:

Roll Control System

EM/ESD Protection

Corrosion Control

General Aircraft Overview

Aircraft Sections

General Configuration

Aircraft Interior Components

Aircraft Lighting

Utility Systems

Rotary Control System

Rotor Train System

Main Tail Rotor Systems

Hydraulic Power System

S70/S70M DISINTEGRATION

S70UH-60LANDSANDHICRALETON

S70 MAINTENANCE MANAGER

The S70 Maintenance Manager 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:

- General Aircraft Overview
- Aircraft Systems
- Maintenance Program Management
- Maintenance Management Tools

COURSE LENGTH

Computer Based Training 2 Weeks (10 Days)

COURSE PREREQUISITES

Requirements as listed in General Student Information of the FAQs

S70/S70M INTEGRATED VEHICLE HEALTH MANAGEMENT SYSTEM

The S70/S70M Integrated Vehicle Health Management System course provides technicians with the necessary knowledge to use the aircraft's onboard system (OBS) and Integrated Vehicle Health Management System (IVHS) 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

S70 UPDATES AND RECURRING TRAINING

The S70 Updates and Recurring Training course provides technicians and operators with OEM updates and recurring training on the BLACKHAWK 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

COURSE LENGTH

Computer Based Training 1 week (5 days)

COURSE PREREQUISITES

Requirements as listed in General Student Information of the FAQs

S70/S70M FAMILIARIZATION

The S70/S70M Familiarization 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.

