Bell Training Academy
Course Guide

On a Mission.

Bell Helicopter
A Textron Company


Bell Helicopter
A Textron Company
Customer Center

Dear Customers,

Since 1946 the Bell Training Academy (BTA) has been committed to providing industry leading training programs that create better, safer flight operations. The BTA staff takes pride in delivering the finest helicopter training in the world with highly skilled professional pilot and technical instructors. We continue to work hard at developing innovative programs that will take our customer's pilot and technical skills to a whole new level.

Our Training Academy at the Fort Worth Alliance Airport continues to incorporate the latest technological advancements into our aviation training programs and to invest in the development of new initiatives to promote further helicopter safety. Improvements in our helicopter training programs include upgrades and enhancements to our flight training devices and maintenance trainers, aircraft fleet modernization, practice area and runway extensions, and the incorporation of a 30' elevated platform for offshore, pinnacle, and rooftop specific training. In addition, Bell Training offers advanced programs such as the Professional Pilot Program (P3) for pilot advanced training, 1st Responder training for on-the-ground helicopter safety, and Non-Destructive Inspection training for technicians. The BTA is an Federal Aviation Administration (FAA), European Aviation Safety Association (EASA) and Transport Canada approved training facility.

The BTA is extremely proud of our role in providing industry leading helicopter training, and we look forward to serving our customer's professional training needs.

Best Wishes,
The Bell Training Academy Staff

OUR MISSION

To provide customers with innovative, world-class training solutions that enhance their ability to safely and efficiently perform their missions.

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General Information

General Information

MAILING ADDRESS:
Bell Helicopter
Training Academy
13901 Aviator Way
Fort Worth, Texas 76177

OFFICE HOURS:
With the exception of Holidays, we will be available to assist you during the following office hours:
Monday – Friday
7:30 a.m. – 4:00 p.m. (CST)

PHONE:
1-800-368-2355 or 817-280-8356

FAX:
817-280-2437

EMAIL:
BTAAdmin@bellhelicopter.textron.com

WEBSITE:
bellhelicopter.com/Training

The Bell Training Academy is part of the Bell Customer Center at the Alliance Airport in Fort Worth, Texas. The academy is a modern facility featuring 18 multimedia classrooms, 4 specialized maintenance labs, a 40,000+ sq ft training hanger, 5 advanced Flight Training Devices (FTD) (training 7 Bell models), and one Cockpit Procedure Trainer (CPT).

Our flight training practice area is a short flight away from the academy and is just northwest of the Texas Motor Speedway. The 120 acre practice area (PA) has three runways: a 2000ft lighted North/South runway, an 850ft North/South runway and an 1650ft East/West runway. There are four separate concrete landing pads and a 30 foot elevated platform for pinnacle landing/takeoff maneuvers. To ensure the safest possible training environment the PA's sole purpose is BTA flight training and is supported by a full time Crash/rescue crew.

Our dedicated staff combines these features with the latest innovations in training technology to insure the optimum training results.

CHECKLIST

Upon arrival at the Bell Training Academy you are REQUIRED to have the following items in your possession. You will be asked to present them at the security desk. Your assistance and cooperation in meeting these requirements are greatly appreciated.

1. Photo identification
2. Passport (All Foreign Nationals)
3. Visa and I-94 documentation issued by U.S. Customs (All Foreign Nationals)
4. TSA/SEVIS Security confirmation letter (All Foreign National Pilots)
5. ITARS/TAA (All Foreign National Customers when applicable)
6. Electronic confirmation letter from Bell Helicopter Training Academy
7. Pilot's license and current medical certificate (pilots only)

SECURITY REGULATIONS

All hand-carried items are subject to inspection by the security guard. The use of a metal detection device is also enforced. Federal requirements do not permit the following items: personal cameras, tape recorders, firearms, or alcohol.

IDENTIFICATION BADGES

A Training Academy picture identification badge is issued to you on the first day of class. This badge must be worn in plain view at all times while on Bell property. The Training Academy badge does not permit entry to any other Bell plant or facility.

VISITORS

Visitors not registered to attend a course at the Bell Training Academy are not allowed entry unless escorted by a Bell Helicopter employee. Please make arrangements in advance with your instructor or a staff member from the Training Academy for all visitors. Only enrolled students are allowed in the classroom and aircraft.

DRESS CODE

No shorts, tank tops, or open toe shoes are permitted at any time for safety reasons. Due to safety regulations, customers may not be allowed to enter if not dressed properly.

CLASS ATTENDANCE POLICY

Even though academic performance is the largest part of the course, we place a significant emphasis on overall performance standards. If you must miss some class time, you are responsible for the material covered during your absence.

The following guidelines have been established based on the amount of material to be covered in each course:

Course Length	Allowable Absence
Less than two weeks	None
Two weeks	1/2 day
Three weeks	1 day

CLASS BREAKS

Short breaks are given throughout the day to have a beverage or snack. We have two break areas, each with vending machines, a microwave, and a refrigerator.

LUNCH

A lunch is provided from 11:30 - 12:30 (subject to change) each training day at no charge to you. If you have your own transportation, there are also local restaurants available. You will receive local area information from your instructor on the first day of class.

TRAINING MATERIAL

Please be aware Bell considers its printed and multimedia training materials proprietary information and retains all copyrights to training materials provided. These materials may not be copied, reproduced, or displayed without the express written consent of Bell Helicopter.

All supplies, training materials, and tools required for training are furnished by the Training Academy on the first day of class unless otherwise stated. Training materials are not for sale and will not be issued to any student in advance.

The texts for all courses are official Bell Helicopter publications, supplemented by course notebooks designed to follow the instructor's presentation and increase comprehension and retention. Instructor demonstrations and shop exercises are conducted on the components, using the appropriate test equipment. The shop work is designed to permit hands-on practice to simulate "on-the-job" exercises.

CUSTOMER AMENITIES

We have two customer lounge areas equipped with seating, televisions, and a telephone. All long distance calls made by the customer must be done by calling card (available for purchase through customer service administrator). Bell Training Academy is not responsible for stolen, lost, or misplaced items. Internet access is provided in each classroom. The Training Academy also has a Bell Helicopter Store, which has a variety of Bell Helicopter memorabilia for sale.

CUSTOMER HALL OF HERITAGE

The Hall of Heritage is located near the Academy's main entry and offers visitors a glimmer of Bell Helicopter's rich aviation history. Here visitors can view a replica of the original prototype designed and developed by Bell's first engineer, Arthur Young, as well as view the log books and other historical documents that recorded the early history of vertical flight. There is a picture gallery that displays Bell's historical milestones and the famous celebrity visitors that have shared in our successes. Prominently displayed in the center of the hall is a model showcase with more than thirty-four different Bell products that include the revolutionary designs of the Bell X-1 and V-22 Osprey. Visitors also can leisurely watch a historical video clip as Larry Bell guides his new company forward with the introduction of the very first commercial helicopter.

CUSTOMER RECEPTION

We clearly recognize the value of direct communication between you, the customer, and the leadership team at Bell. We host customer welcome receptions most Mondays, from 4:00 p.m. -5:00 p.m. at the Bell Training Academy for students to meet and have direct, unfiltered conversations with members of Bell's leadership, sales and marketing, and customer support teams. Prepare your tough questions, we need your input for our mutual success.

WEBSITE

Please visit our website at bellhelicopter.com/Training for answers to many of your questions. Course descriptions, course dates, and online scheduling are available through our website. For registration help, please select the Registration Help link.

TRAVEL INFORMATION

Select the Travel Information link to view special rates on travel and hotels that are offered through the website.

PHONE

For your convenience, Bell Training Academy may be reached at 1-800-368-2355 or 817-280-8356.

Registration, Payment Information & Compliment

METHODS OF PAYMENT

- **Cash payments are not accepted.**
- **Credit Card (American Express, MasterCard, Visa, Discover, or Debit)**
- **Check (Bank Printed) – Company or personal checks; make checks payable to Bell Training Academy.**
- **Cashier's Check, Traveler's Check – Traveler's checks must originate from the country from which the student is coming.**
- **USAIG SAFETY BUCKS**
- **Wire Transfer of Funds – Please provide the Training Academy with a copy of your wire transfer to include the attendee name(s), course name, and dates to ensure proper credit. Funds may be transferred as follows:**

JP Morgan Chase
ABA No. 02-10-000-21
4 Chase MetroTech Center,
8th Floor
Brooklyn, New York 11245

FOR THE ACCOUNT OF BELL HELICOPTER TEXTRON INC.

Within U.S.:
Domestic Acct.
910-1-332626

Outside U.S.: International Acct.
910-2-403483

When paying by mail, include attendee name, confirmation number, course name, and dates with payment. Advance payment may be mailed to:

Bell Training Academy
ATTN: Administrator
13901 Aviator Way
Fort Worth, Texas 76177+

PAYMENT INFORMATION

Similar to other institutions of higher learning, Bell Training Academy requires payment in full prior to commencement of training. An invoice is sent upon course confirmation. Acceptable forms of payment are check, cashier's check, traveler's checks, credit card, or wire transfer. All payments must be made in U.S. dollars and must originate in the country requesting the training. Cash payments are not accepted.

STEPS FOR COURSE ENROLLMENT

Step 1. Visit our website at bellhelicopter.com/Training

Step 2. Request a log-in ID and password if you have not already done so.

Step 3. Select the dates you would prefer to attend training.

Step 4. Fill out and submit the online enrollment request form.

Step 5. You will receive a confirmation letter and invoice via e-mail.

CANCELLATION/RESCHEDULING POLICY

The Bell Training Academy must be contacted fourteen (14) days prior to class start date for cancellation or rescheduling without penalty. Cancellations of less than fourteen (14) days prior to class start will be charged an administrative processing fee of $1,000. No-Shows at the scheduled class date will be charged a fee of $2,500.

The Bell Training Academy reserves the right to cancel any course that does not meet minimum enrollment requirements. Customers will be notified of any cancellation a minimum of 14 days prior to course start date. We recommend you contact us to verify minimum enrollment prior to purchase of your airline ticket. If a customer is unable to complete training due to illness or other unexpected circumstances approved by the instructor, a prorated refund will be given.

To see our full Terms and Conditions please visit our website bellhelicopter.com/Training

CUSTOMER SERVICE FACILITIES (CSF)

For information regarding CSF training please contact:

Customer Service Facility (CSF) Support
817-280-7308
CSFSupport@bellhelicopter.textron.com

GSA

The Bell Training Academy's (BTA) entire course catalogue has been added to the Federal Government Service Administration's (GSA) Acquisition schedule for onsite training at our Fort Worth/Alliance location. To view our GSA pricing, please visit www.gsaadvantage.gov and look for the Bell Training Academy price schedule under Federal Supply Schedule GS-02F-0084W.

Please note: Any eligible customer wanting the GSA discount and advantages must first register with the GSA at www.gsaadvantage.gov/. Once you have registered with the GSA and paid for a class, GSA will provide you a Purchase Order number. You must have this number when completing the class registration on the BTA website.

If you require further assistance, please direct all inquires to GSA.Advantage@gsa.gov or call GSA Advantage Customer Service at 1-877-472-3777, option 2.

COMPLIMENTARY TRAINING

Bell Helicopter provides complimentary training with the purchase agreement of a new or used aircraft. **Complimentary training provided with an aircraft purchase must be used between six months prior to or one year after the aircraft delivery. Unused training spaces expire one year following aircraft delivery.** Complimentary training consists of the following courses for the appropriate model:

Complimentary Courses	206L	407	407GX	412	429	Huey II
Pilot Ground & Flight Procedures	1	1	1	2	2	1
Field Maintenance	1	1	1	1	1	1
Electrical Maintenance		1	1	1	1	
AFCS				1		
Avionics			1			
AFCS/Avionics					1	

FINANCING UNDER THE GI BILL

The Bell Training Academy is approved to train eligible military persons under the provisions of United States Code 38, FAR Part 141, entitled "Flight Schools," and has the ability to assign FAA Part 141 Air Agency Certificates in the following courses:

- Models 206B, 206L & 407 Initial Transition
- Models 206B, 206L & 407 Pilot Refresher

For questions regarding financing under the GI Bill please contact:
Bell Training Academy Administration
Phone: 1-800-368-2355 or 817-280-8356
Fax: 817-280-2437
Email: BTAAdmin@bellhelicopter.textron.com

College Affiliations

SACRAMENTO CITY COLLEGE AVIATION ONLINE DEGREE PROGRAM

Bell Training Academy students now have the opportunity to obtain College Credit from Sacramento City College. Sacramento City College is regionally accredited by the Western Association of Schools and Colleges. The student can obtain academic credit for Bell Training Academy courses and complete the academic portion of Sacramento City College curriculum online.

Sacramento City College
916-558-2111 • www.scc.losrios.edu

UTAH VALLEY STATE COLLEGE'S GLOBAL AVIATION ONLINE DEGREE PROGRAM

Bell Training Academy students now have the opportunity to complete their Bachelor of Science Degree in Aviation Administration or Professional Pilot through Utah Valley State College's (UVSC) Global Aviation Online Degree Program. UVSC is located in Orem, Utah and is regionally accredited by the Northwest Commission on Colleges and Universities. The student can obtain academic credit for certain Part 61 Bell Training Academy courses and complete their UVSC academic portion of the curriculum online.

Utah Valley State College
Aviation Science Department, MS-114
800 West University Parkway, Orem, UT 84058-5999
www.uvscaviation.com • (888) 901-7192 • (801) 863-7810 • Fax: (801) 863- 7815

SOUTHERN ILLINOIS UNIVERSITY (SIU-Carbondale)

Training Support for 214B Field Maintenance

Southern Illinois University (SIU – Carbondale)
Southern Illinois University
School of Aviation Technologies
Southern Illinois Airport, Carbondale, Illinois 62901
www.siu.edu/ • (618) 453-9204 • Fax: (618) 453-4850

Affiliated Customer Training Facilities

Emirates – CAE Flight Training
Training Support for 412
Emirates Aviation College
P.O. Box 111066
Al Garhoud, Dubai, U.A.E
Tel: +971-4-286-9119
Fax: +971-4-283-1658
E-mail: dubai-centre@cae.com

India – CAE Flight Training
Private Limited
Training Support for 412
Survey No.26 & 27, IVC Road,
Bandaramanahalli Village,
Uganvadi Post, Devanahalli
Taluk, Bangalore – 562110
Tel: +91-80-4285-4005
Email: aviationtraining@cae.com

FlightSafety International
Flight Training Support for the following models: 212, 412, and 430
9601 Trinity Blvd.
Hurst, Texas 76053
Toll Free: 800.379.7413
www.flightsafety.com

Graduation

PILOT TRAINING

We recognize pilots have different backgrounds and experience levels. For that reason the classroom instruction, Flight Training Device (FTD), and flight training are designed to prepare the attendee to meet the course standards successfully. The standards followed by the instructor reflect the standards required for aircraft operation by FAA regulations and Bell Helicopter. Training is complete when the pilot demonstrates knowledge of aircraft systems and proficiency in flight maneuvers appropriate to the course of instruction. Standards of performance and knowledge will coincide with those applied by the FAA Practical Test Standard appropriate to the rating sought or in the case of recurrent training, appropriate to the rating held. Academic and flight instructors place special emphasis on areas of aircraft operations most critical to flight safety, including aircraft control and sound judgment in decision-making.

TECHNICAL TRAINING

Experience is important; however, instruction received in the classroom and training lab cannot be over emphasized. Training is complete after each student demonstrates an ability to perform to the course standards. These standards are set by Bell Helicopter for actual maintenance and operation of the equipment referencing the technical manuals.

Since the principal objective of training is to teach maintenance, service, inspection, and overhaul of airworthy aircraft, successful course completion is judged by demonstrated skills and work habits and not solely by an academic examination grade. Grading is termed as "Satisfactory" or "Unsatisfactory" in shop work relative to the Training Academy standards. Speed of performance is not judged, but rather safety measures and approved maintenance procedures employed. All maintenance, repairs, and alterations must be accomplished with the use of such tools, equipment, and test apparatus as are necessary to ensure completion in accordance with accepted industry practices. Techniques, procedures, and practices set forth in approved manuals for the performance of airworthiness maintenance and inspection programs, manufacturer's flight and maintenance manuals, and applicable vendor manuals constitute acceptable techniques, procedures, and practices.

REGULATORY APPROVALS

We understand that you have a choice in selecting a training institution and we thank you for choosing Bell. We take pride that we are an FAA approved training facility and are able to share with our customers by offering instruction that meets standards prescribed in FAR Part 141, entitled "Flight Schools," and have the ability to assign FAA Part 141 Air Agency Certificates in the following courses:

- **Models 206B, 206L & 407 Initial Transition**
- **Models 206B, 206L & 407 Pilot Refresher**
- **Private Pilot Rating**
- **Pilot Night Vision Goggles Initial, Refresher, Ground Only, and Instructor Pilot Training**

Bell Helicopter also holds various certifications and approvals. All Bell Helicopter training meets or exceeds the requirements of FAR Part 65.81 for manufacturer's training. Additionally, all Bell Helicopter training meets or exceeds the requirements of FAR Part 65.93 for Renewal of Inspection Authorization.

Local Flight Standard District Office (FSDO) can issue IA Renewals upon completion of 8 hours of any of the BTA's Maintenance/Technical Training Courses.

The Bell Training Academy is approved to provide the following technical training courses to EASA 147 – Part 66 certification standards:

Bell 206 Series B1.3
Bell 407 B1.3 and B2
Bell 412 B1.3 and B2
Bell 427 B1.3
Bell 429 B1.3 and B2

The Bell Training Academy is approved to provide the following technical training courses to Transport Canada certification standards:

Bell Model 205A-1 Field Maintenance
Bell Model 206-B3 Field Maintenance
Bell Model 206-L Field Maintenance
Bell Model 212 Field Maintenance
Bell model 214ST Field Maintenance
Bell Model 222/230 Field Maintenance
Bell Model 407 Field Maintenance
Bell Model 412 Field Maintenance
Bell Model 427 Field Maintenance
Bell Model 429 Field Maintenance
Bell Model 430 Field Maintenance

Certificates

BELL TRAINING ACADEMY CERTIFICATES

A certificate from the Bell Training Academy is recognized around the world as a symbol of the highest quality and excellence in pilot and technical training in the helicopter industry. It is an honor to graduate customers and officially induct them into the Bell Helicopter family. The following training certificates are issued upon successful completion of respective courses:

CERTIFICATE OF COMPLETION

Awarded by the Bell Training Academy for successful completion of any technical course, component overhaul course, or pilot ground only course.

CERTIFICATE OF ATTENDANCE

Awarded to those who attend classroom training, but fail to meet minimum required academic requirements.

CERTIFICATE OF FLIGHT TRAINING

Awarded to pilots for successful completion of recurrent flight training or formal pilot ground and flight transition training.

CERTIFICATE OF GRADUATION

Awarded to pilots for successful completion of any FAR 141 Course.

TRAINING ACADEMY COURSE & CERTIFICATE DISCLAIMER

The re-use of Bell Training Academy curriculum by operators and service facilities is not authorized and does not constitute a Bell approved school. The FAA Approval and the Air Agency Certificate apply ONLY to training performed by Bell Helicopter approved instructor personnel.

SATISFACTORY PILOT PERFORMANCE METRICS

- Executing maneuvers within the aircraft's performance capabilities and limitations, including use of the aircraft's systems.
- Executing emergency procedures and maneuvers appropriate to the aircraft.
- Piloting the aircraft with smoothness and accuracy.
- Exercising good judgment.
- Applying aeronautical knowledge.
- Showing proficiency in the aircraft as defined by the FAA Practical Test Standards with the successful outcome of the maneuver never seriously in doubt. In the judgment of the instructor, if the standards of performance are not met, performance is considered unsatisfactory. Further training may be necessary to meet the acceptable standard. Each situation will be evaluated on a case-by-case basis.

Offsite & Customized Training

OFFSITE TRAINING

The Bell Training Academy conducts pilot ground, flight training, and maintenance technician training at the customer's facility upon request. Requests for offsite training should be submitted at least 90 days in advance to coordinate instructor availability. The customer must provide necessary training aids (tools, equipment, non-airworthy components, etc.) and classroom space appropriately sized and equipped to comfortably accommodate the scheduled attendees.

For flight training, Bell Helicopter highly recommends the installation of adequate skid shoes to minimize damage from normal wear and tear during touchdown autorotations and run-on landings. Bell is not responsible for normal wear and tear or any damage to skids when adequate protective shoes are not installed prior to the start of training. Upon customer request, the Bell Training Academy will provide skid shoes for use during training in Models 205, 206B, 206L, 407, and Huey II helicopters with standard low or high skids.

Payment for offsite training must be made at least 30 days in advance of course start date. For questions or requests for proposals for offsite training, please contact:

Bell Training Academy Administration at:
Phone: 1-800-368-2355 or 817-280-8356
Fax: 817-280-2437
Email: BTAAdmin@bellhelicopter.textron.com

CLASS SIZES

Field Maintenance
- Maximum 12
- Minimum 3

Component Overhaul
- Maximum 8
- Minimum 2

Electrical/Avionics/AFCS
- Maximum 8
- Minimum 2

Pilot Ground Courses
- Maximum 10
- Minimum 1

An additional fee is charged per training day for training conducted on Saturday or Sunday.

BELL TRAINING ACADEMY (BTA) REGIONAL OFFSITE TRAINING PROGRAM

The remote training allows students to receive Bell's world-class factory technical training that previously was available only at the Academy facility at Alliance Airport near Fort Worth, Texas. With the remote courses, operators seeking training for staff members can save or avoid airfare and travel expenses, time away from their bases of operation, and generally lower training costs while getting factory-trained technicians to maintain their helicopters.

For more information please visit our website bellhelicopter.com/Training and select the Regional Training link.

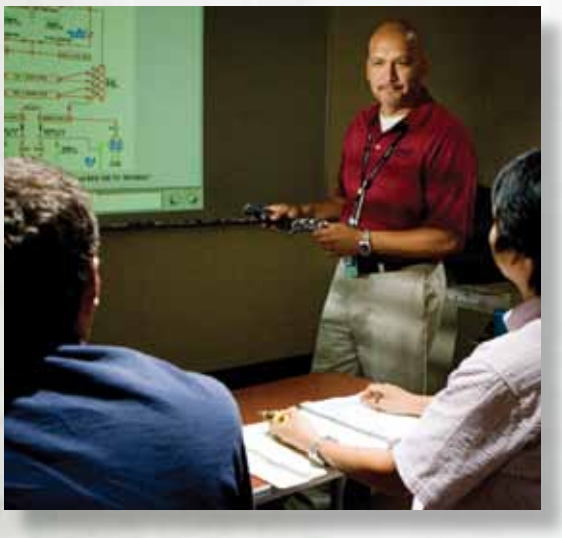
CUSTOMIZED TRAINING

Customized flight and technical training is available upon request.

DVD INSTRUCTIONAL SALES

The BTA offers instructional and familiarization DVDs on most models. To see a current listing of available DVDs select the Online Store link at bellhelicopter.com/Training.

Technical Training



Technician Training Courses

CLASS INFORMATION

All requests for enrollment must be submitted via our website, bellhelicopter.com/Training. Customers are encouraged to enroll at the earliest opportunity to ensure space availability, as courses are often booked months in advance.

Classes are conducted five days per week, Monday through Friday.

ABOUT THE TECHNICAL TRAINING INSTRUCTORS

In our commitment to provide the highest possible quality of training to the customer, Bell Helicopter has assembled a training team with extensive qualifications. All instructors must have, as a minimum, three years experience in their field, and all mechanical maintenance instructors must hold an FAA Airframe and Powerplant (A&P) license or equivalent. Combined, the instructional staff has over 375 years of aircraft experience and in excess of 150 years of teaching experience.

All members of the staff have been to technical schools in their field and many hold various degrees including Associate, Bachelor, and Masters Degrees in a number of academic fields.

COURSE SCHEDULE

Please visit our website at bellhelicopter.com/Training for current schedules and other information.

Field Maintenance Courses

OBJECTIVE

Upon successful completion, the attendee will be able to troubleshoot, inspect, perform, or supervise the maintenance of the helicopter, up to but not including, major repair or overhaul of the helicopter and its components. Acceptable airworthiness techniques, procedures, and practices established by governing aviation authorities and Bell Helicopter shall be used as satisfactory performance measurements.

PREREQUISITES

Attendees should meet one or more of the following requirements:

1. Certified Aviation Maintenance Technician with one (1) year of experience as a rated maintenance technician.
2. One year of experience as an active maintenance technician on helicopters.
3. Three years general experience as an aircraft maintenance technician.

For The Two Week 407 Course, attendees must have a minimum of three years experience on the 206B or 206L or hold a Certificate of Completion for a full Bell Helicopter Field Maintenance course for either model. Similar systems and components will not be covered in detail.

For The Two Week 412EP Course, content presented is for current production 412EP s/n 36020 and subsequent only. Attendees must have a minimum of three years experience on the 212 or 412 or hold a Certificate of Completion for a full Bell Helicopter 212 Field Maintenance course. Similar systems and components will not be covered in detail.

For The Two Week 430 Course, attendees must have a minimum of three years experience on the 222, 230, or 430 or hold a Certificate of Completion for a full Bell Helicopter 222/230 Field Maintenance course. Similar systems and components will not be covered in detail.

COURSE CONTENT

This is a comprehensive coverage of the description, function, and maintenance procedures required for field maintenance of the helicopter. Classroom or shop work in the following areas will be covered: airframe, ground handling and servicing, main rotor, main rotor controls, main rotor drive system, powerplant (installation and rigging as related to the airframe), fuel system, tail rotor drive system, tail rotor, hydraulic system(s), flight controls, and electrical system(s).

Refresher Courses

OBJECTIVE

Refresher courses primarily focus on coverage of the latest information and field maintenance techniques pertaining to Alert Service Bulletins (ASBs), Technical Bulletins (TBs) and letters, Airworthiness Directives (ADs), and technical publication changes in the past five years.

PREREQUISITE

Successful completion of the initial Field Maintenance Course. Proof of Certificate of Completion required. Please send copy to BTAAdmin@bellhelicopter.textron.com at the time of registration.

Class Duration

205
3 weeks/120 hours
206B-III
2 weeks/80 hours
206L Series
2 weeks/80 hours
206 Series (B and L)
3 weeks/120 hours
212
3 weeks/120 hours
214ST
3 weeks/120 hours
222/230
3 weeks/120 hours
407
3 weeks/120 hours
407 Advanced
2 weeks/80 hours
412 Series
3 weeks/120 hours
412 EP Advanced
2 weeks/80 hours
427
3 weeks/120 hours
429
3 weeks/120 hours
430
3 weeks/120 hours
430 Advanced
2 weeks/80 hours
OH-58A/C*
2 weeks/80 hours
UH-1H*
3 weeks/120 hours
Huey-II*
3 weeks/120 hours
UH-1H / Huey-II Maintenance Differences*
2 weeks/80 hours
Refresher (per model)
3 days/24 hours

On-line Refresher (206 Series, 407, 412 and 429) Self Paced

*Training for public use agencies, military or foreign use only. Foreign National training requires U.S. State Department approval.
All course lengths and costs may increase when language interpretation is required

European Aviation Safety Agency (EASA) Part 66 Category B1.3 Maintenance Courses

OBJECTIVE

Upon successful completion the attendee will be able to troubleshoot, inspect, perform, or supervise the maintenance of the helicopter, up to but not including, major repair or overhaul of the helicopter and its components. Acceptable airworthiness techniques, procedures, and practices established by EASA and Bell Helicopter shall be used as satisfactory performance measurements.

PREREQUISITES

Attendees should meet one or more of the following requirements:

1. Certified Aviation Maintenance Technician with one (1) year of experience as a rated maintenance technician.

2. One year of experience as an active maintenance technician on helicopters.

3. Three years general experience as an aircraft maintenance technician.

4. The basic knowledge and experience requirements detailed in EASA Part 66 must also be met for B1.3 licensing.

COURSE CONTENT

This is a comprehensive coverage of the description, function, and maintenance procedures required for field maintenance of the helicopter. Classroom or shop work in the following areas will be covered: airframe, ground handling and servicing, main rotor, main rotor controls, main rotor drive system, powerplant (installation and rigging as related to the airframe), fuel system, tail rotor drive system, tail rotor, hydraulic system(s), flight controls, and electrical system(s).

Class Duration

206 Series (B and L)
3 weeks/120 hours
407
3 weeks/120 hours
412
4 weeks/160 hours
427
3 weeks/120 hours
429
3 weeks/120 hours

Electrical Maintenance Courses

OBJECTIVE

Following successful completion of the course, the attendee will be able to perform all routine electrical maintenance and utilize any special tools, materials, or equipment required in the maintenance or repair of the electrical system of the applicable model. Successful completion will also enable the attendee to inspect, service, troubleshoot, and repair the electrical system to a field maintenance level in accordance with the techniques, procedures, and practices established by the governing aviation authorities and Bell Helicopter.

PREREQUISITES

A detailed knowledge of DC electrical theory and circuits, solid-state electronic theory and circuits, and an understanding of avionics component theory and operation are required. A detailed knowledge of AC electrical theory is also required for the following models: 212, 214ST, 222B, 222U, 230, 412, 429 and 430.

COURSE CONTENT

This is a comprehensive study of the applicable model's electrical system, including a detailed analysis of circuits in the following categories: AC and DC power distribution, powertrain electrical systems, airframe electrical systems, utility systems, and instrument indicating systems. The location of components and component description and operation are presented. Recommended troubleshooting procedures are discussed utilizing known and probable fault symptoms in the classroom and shop.

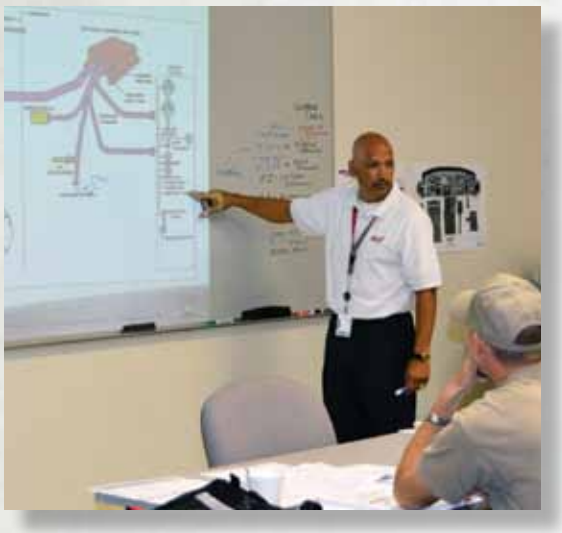
Refresher Courses

Available for 214ST aircraft only. Successful completion of the 214ST Electrical and Automatic Flight Control System (AFCS) courses required. Proof of Certificate of Completion required. Please send copy to BTAAdministration@bellhelicopter.textron.com at the time of registration.

Class Duration

205
1 week/40 hours
206B/L Series
1 week/40 hours
212
1 week/40 hours
214ST
2 weeks/80 hours
214ST Electrical
2 weeks/80 hours
214ST Electrical/AFCS Refresher
2 weeks/80 hours
222B
2 weeks/80 hours
222U
1 week/40 hours
230
1 week/40 hours
407
1 week/40 hours
412 Series
1 week/40 hours
427
1 week/40 hours
429 Integrated Avionics System
3 weeks/120 hours
430
1 week/40 hours
UH-1H
1 week/40 hours
Huey-II*
1 week/40 hours
UH-1H/Huey-II Differences*
2 days/16 hours
On-line Refresher (407) Self Paced

*Training for public use agencies, military or foreign use only. Foreign National training requires U.S. State Departmentapproval.
All course lengths and costs may increase when language interpretation is required



European Aviation Safety Agency (EASA) Part 66 Category B2

OBJECTIVE

Following successful completion of the course, the attendee will be able to perform all routine electrical maintenance and utilize any special tools, materials, or equipment required in the maintenance or repair of the electrical system of the applicable model. Successful completion will also enable the attendee to inspect, service, troubleshoot, and repair the electrical system to a field maintenance level in accordance with the techniques, procedures, and practices established by EASA and Bell Helicopter.

PREREQUISITES

A detailed knowledge of DC electrical theory and circuits, solid-state electronic theory and circuits, and an understanding of avionics component theory and operation are required. The basic knowledge and experience requirements detailed in EASA Part 66 must also be met for B2 licensing.

COURSE CONTENT

This is a comprehensive study of the applicable model's electrical system, including a detailed analysis of circuits in the following categories: AC and DC power distribution, powertrain electrical systems, airframe electrical systems, utility systems, and instrument indicating systems. The location of components and component description and operation are presented. Recommended troubleshooting procedures are discussed utilizing known and probable fault symptoms in the classroom and shop.

Class Duration

407
1 week/40 hours

412
3 weeks/114 hours

429
3 weeks/120 hours

Connector and Cable Maintenance Course

OBJECTIVE

Upon successful completion, the attendee will have a working knowledge of wiring connectors and electrical system components found in Bell Helicopter installations. Successful completion will also enable the attendee to identify and eliminate existing and potential wire harness damage, chaffing conditions, improper and/or faulty wiring splices and terminations, and improper and/or faulty solder connections. Additional course topics include utilization of required special tools, materials, and techniques to properly and reliably install, maintain, and repair electrical harnessing typically found in Bell helicopters.

PREREQUISITES

A basic knowledge of helicopter electrical systems and circuitry is required. Familiarization with the use of multimeters and ability to solder and troubleshoot at field level is beneficial.

COURSE CONTENT

Classroom presentation covers types, grades, and characteristics of electrical wire and cable and selection and use of special tools, various types of connectors, terminal junction modules, and solderless terminal lugs. In addition, soldering, splicing, bonding, grounding, support, and the routing of wire and cable are included.

Class Duration

1 weeks/40 hours

Automatic Flight Control Systems (AFCS) Maintenance Courses

OBJECTIVE

Upon successful completion, the attendee will be able to perform all routine maintenance and utilize special tools, equipment, and manuals required in the maintenance or repair of the AFCS system. Successful completion will also enable the attendee to inspect, service, troubleshoot, and repair these systems to a line maintenance level in accordance with the procedures and practices established by governing aviation authorities and Bell Helicopter.

PREREQUISITES

A detailed knowledge of AC and DC electrical theory and circuits, solid-state electronic theory, and circuits and avionics component theory and operation is required.

COURSE CONTENT

These courses begin with a discussion of development concepts and system requirements for operation within VFR and IFR parameters. Flight controls and system interface, including modes of operation are presented. System components are studied with respect to their function, operational specifications, location, and access provisions. Operational modes and theory of operation are covered using functional and detailed block diagrams providing an understanding of total system integration. Line maintenance level inspection and servicing requirements, including the use of special tools, equipment, and manuals, are covered. Fault isolation and troubleshooting procedures are also discussed utilizing ground test checkout provisions in preparation for actual work on the system.

Refresher Courses

Available for 214ST only. Successful completion of the 214ST electrical and AFCS courses required. Proof of Certificate of Completion required. Please send copy to BTAAdministration@bellhelicopter.textron.com at the time of registration.

Class Duration

212
1 week/40 hours
214ST
1 week/40 hours
214ST Electrical/ AFCS Refresher
2 weeks/80 hours
222B
1 week/40 hours
230
1 week/40 hours
412 s/n 33001 thru 33213 and 36001 thru 36019 SHZ-412 (analog)
1 week/40 hours
412EP s/n 36020 & sub – SPZ -7600 (digital
1 week/40 hours (3 Axis)
7 day/56 hours (4 Axis Standard)
2 weeks/80 hours (4 Axis SAR)
430
1 week/40 hours
429 Integrated Avionics System
3 weeks/120 hours

Component Overhaul Courses

OBJECTIVE

Upon successful completion, the attendee will be able to troubleshoot, inspect, repair, and overhaul the major components of the helicopter, up to but not including, repair or overhaul of the airframe or powerplant. Acceptable airworthiness techniques, procedures, and practices established by governing aviation authorities and Bell Helicopter shall be used as satisfactory performance measurements.

PREREQUISITES

Attendees should meet one or more of the following requirements:

1. Certified Aviation Maintenance Technician with one year experience as a rated maintenance technician.
2. One year experience as an active maintenance technician on helicopters.
3. Three years general experience as an aircraft maintenance technician.

COURSE CONTENT

This is a comprehensive coverage of the description, function, repair, and overhaul of the major components of the helicopter. Classroom and/or shop work in the following areas will be covered: main rotor, main rotor controls, mast, transmission, gearboxes, main drive shaft(s), tail rotor, and tail rotor drive system.

Refresher Courses

OBJECTIVE

Refresher courses primarily focus on the latest information and overhaul techniques pertaining to Alert Service Bulletins (ASBs), Technical Bulletins (TBs) and letters, Airworthiness Directives (ADs), and technical publication changes in the past five years.

PREREQUISITES

Successful completion of the Component Overhaul Course on the model for the refresher course requested is required. Proof of Certificate of Completion required. Please send copy to BTAAdministration@bellhelicopter.textron.com at the time of registration.

Class Duration

206B-III
1 week/40 hours
206L Series
1 week/40 hours
205/212
3 weeks/120 hours
222/230
2 weeks/80 hours
407
1 week/40 hours
412 Series
3 weeks/120 hours
427
8 days/64 hours
430
2 weeks/80 hours
UH-1H *
3 weeks/120 hours
Huey II*
3 weeks/120 hours
Refresher 212, 222, 230 & 412
3 days/24 hours

*Training for public use agencies, military or foreign use only. Foreign National training requires U.S. State Department approval. All course lengths may increase when language interpretation is required.

212 Automatic Flight Control System (AFCS) Overhaul

OBJECTIVE

Successful completion of the course will enable the attendee to perform all routine maintenance, utilize special tools, equipment, materials, and manuals required for the maintenance of the Model 212 Automatic Flight Control System. Successful completion will enable the attendee to inspect, service, troubleshoot, and repair the automatic flight control system and electrical components to the overhaul level in accordance with the procedures and practices established by governing aviation authorities and Bell Helicopter.

PREREQUISITES

A detailed knowledge of both AC and DC electrical/electronic theory and circuitry is required.

COURSE CONTENT

Functional and detailed block diagrams are utilized to develop theory concepts of each operational model before progressing to a detailed circuit analysis. Key test points, signal flow, and fault isolation to the card level is emphasized by means of practical exercises using the Model 212 AFCS Test Set and maintenance manual test procedures.

NOTE

A Bell AFCS test set, part number 574-091-010-1, is required in order to properly utilize skills and knowledge gained in this course. Bench testing, fault isolation, and overhaul of AFCS components are not possible without this equipment. If the customer does not have this test equipment, this course is not recommended.

Class Duration

1 week/40 hours

Avionics Maintenance Familiarization Courses

OBJECTIVE

Following successful completion of the different avionics modules, the attendee will be familiar with routine avionics maintenance and the utilization of any special tools, materials, or equipment required in the field maintenance or repair of the avionics system of the applicable model. Successful completion will also enable the attendee to be familiar with procedures used to inspect, service, troubleshoot, and repair the avionics system to a field maintenance level in accordance with the techniques, procedures, and practices established by the governing aviation authorities and Bell Helicopter.

PREREQUISITES

A detailed knowledge of AC and DC electrical theory and circuits, solid-state electronic theory and circuits, and an understanding of communications/navigation component theory and operation are required.

COURSE CONTENT

These courses provide an introduction to the applicable model's avionics system including: theory of operation, component location, system operation, system programming (if applicable), field maintenance, and troubleshooting. This will provide familiarization with the inspection, servicing, use of special tools, materials, manuals, and equipment to perform field level maintenance of the related avionics system

Class Duration

Global Positioning System

KLN-89 GPS
1 day/8 hours

KLN-90 GPS
1 day/8 hours

KLN-900 GPS
1 day/8 hours

Free Flight 2000 GPS
1 day/8 hours

Free Flight 2101 GPS
1 day/8 hours

Garmin 165/150/100 GPS
1 day/8 hours

TNL-3100 GPS
1 day/8 hours

Garmin GNS-400 Series GPS
1 day/8 hours

Garmin GNS-500 Series GPS
1 day/8 hours

Universal UNS-1 Series GPS
1 day/8 hours

Transceiver Modules

KHF-950 HF
1/2 day/4 hours

KHF-990 HF
1/2 day/4 hours

KTR-909 UHF
1/2 day/4 hours

KTR-908 VHF
1/2 day/4 hours

KTR-905 VHF
1/2 day/4 hours

KTR-900 VHF
1/2 day/4 hours

KX-155/165
1/2 day/4 hours

KY-196/197
1/2 day/4 hours

NTX-138 FM
1/2 day/4 hours

ARC-210 FM/UHF/VHF
1 day/8 hours

RT-5000 AM/FM
1 day/8 hours

NAV Receivers Modules

KNR-660 NAV Receiver
1/2 day/4 hours

KN-53 NAV Receiver
1/2 day/4 hours

KNR-634 NAV Receiver
1/2 day/4 hours

NR-630 NAV Receiver
1/2 day/4 hours

KTU-709 TACAN Receiver
1/2 day/4 hours

KX155-165 VHF COM/NAV Receiver
1/2 day/4 hours

KMR-675 Marker Beacon Receiver
1/2 day/4 hours

KR-21 Marker Beacon Receiver
1/2 day/4 hours

KGM-690 Glideslope/Marker Receiver
1/2 day/4 hours

KE-227 Blind Encoder
1/2 day/4 hours

Automatic Direction Finder (ADF) Modules

KR-87 ADF
1/2 day/4 hours

KDF-806 ADF
1/2 day/4 hours

KDF-805 ADF
1/2 day/4 hours

Distance Measure Equipment (DME) Modules

KN-62 DME
1/2 day/4 hours

KN-63 DME
1/2 day/4 hours

KN-64 DME
1/2 day/4 hours

KDM-706 DME
1/2 day/4 hours

KDM-707 DME
1/2 day/4 hours

DME-42 DME
1/2 day/4 hours

Air Traffic Control (ATC) Transponder Modules

KT-70 ATC Transponder
1/2 day/4 hours

KT-76 ATC Transponder
1/2 day/4 hours

KXP-756 ATC Transponder
1/2 day/4 hours

KXP-755 ATC Transponder
1/2 day/4 hours

MST-67 ATC Transponder
1/2 day/4 hours

GTX-327 ATC Transponder
1/2 day/4 hours

GTX-330 ATC Transponder
1/2 day/4 hours

Audio Control/Intercom Modules

KMA-24H Audio Control/Intercom
1/2 day/4 hours

A301-6W Audio Control/Intercom
1/2 day/4 hours

NAT N-301 Audio Control/Intercom
1/2 day/4 hours

NAT AMS-42 Audio Control/Intercom
1/2 day/4 hours

NAT AMS-44 Audio Control/Intercom
1/2 day/4 hours

NAT AA-12 Audio Control/Intercom
1/2 day/4 hours

PMA 7000 Audio Control/Intercom/ Marker Receiver
1/2 day/4 hours

Radio Altimeter Modules

RT-300/200 Radio Altimeter
1/2 day/4 hours

KRA-405 Radio Altimeter
1/2 day/4 hours

KRA-10 Radio Altimeter
1/2 day/4 hours

Weather Radar Modules

Primus 700 Weather Radar
1/2 day/4 hours

RDR-2000 Weather Radar
1/2 day/4 hours

RDR-1400C Weather Radar
1/2 day/4 hours

RDS 81/82/84 Weather Radar
1/2 day/4 hours

Emergency Locater Transmitter (ELT) Modules

Altex 406 ELT
1/2 day/4 hours

Pointer 3000 Series ELT
1/2 day/4 hours

Pointer 1000 Series ELT
1/2 day/4 hours

Pointer 4000 Series ELT
1/2 day/4 hours

Cockpit Voice Recorder/ Flight Data Recorder Modules

FA 2100 L-3 Cockpit Voice Recorder
1/2 day/4 hours

F1000 L-3 Flight Data Recorder
1/2 day/4 hours

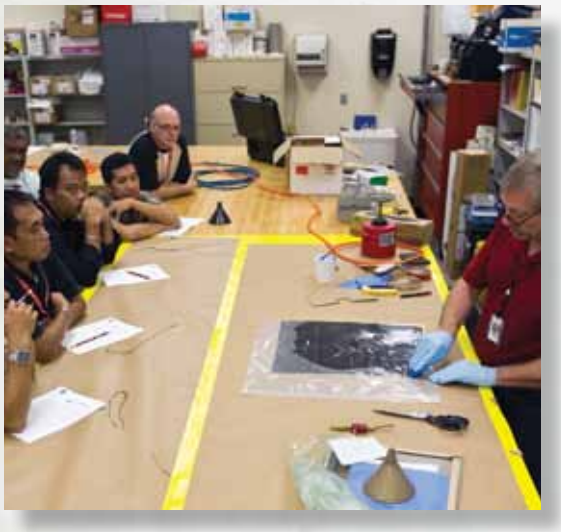
FA 2300 L-3 CVR/FDR
1/2 day/4 hours

Other Modules

Chelton DF 930/931 Direction Finder
1/2 day/4 hours

CMA-2012 Doppler Canadian Marconi
1/2 day/4 hours

NOTE: Course length/tuition for these models may increase to eight hours if aircraft/ equipment is available for hands-on training.



Composite Repair Course

OBJECTIVE

Successful completion will enable the attendee to identify and evaluate for repair, areas of secondary composite structures, then carry out necessary repairs. The course will assist in typical repairs as called out in Bell Helicopter publications and in the FAR 43.13-1A.

PREREQUISITES

Attendees should meet one or more of the following requirements:
1. Certified Aviation Maintenance Technician with one year of experience as a rated maintenance technician.
2. One year of experience as an active maintenance technician on helicopters.
3. Three years general experience as an aircraft maintenance technician.

COURSE CONTENT

This is a comprehensive coverage of the description, function, and standard repairs of composite materials for all Bell helicopter models. Classroom or shop work in the following areas are covered: composite safety, shop tools, repair materials, inspection methods, damage evaluation, and repair procedures.

Class Duration

1 week/40 hours

Composite Blade Repair Course

OBJECTIVE

Successful completion will enable the attendee to identify and evaluate for repair a composite rotor blade, and then carry out necessary repairs. The course will assist in typical repairs as called out in the Bell CR&O Manuals.

PREREQUISITES

Attendees should meet one or more of the following requirements:
1. Certified Aviation Maintenance Technician with one year of experience as a rated maintenance technician.
2. One year of experience as an active maintenance technician on helicopters.
3. Three years general experience as an aircraft maintenance technician.

COURSE CONTENT

This is a comprehensive coverage of the description, function, and standard repair of composite blades for all Bell helicopter models. Classroom or shop work in the following areas are covered: composite safety, shop tools, repair materials, inspection methods, damage evaluation, and repair procedures.

Class Duration

1 week/40 hours

Federal Aviation Regulations

OBJECTIVE

Successful completion will enable the attendee to understand and utilize the Federal Aviation Regulations during the performance of maintenance on aircraft.

COURSE CONTENT

A FAR course notebook is furnished. Classroom presentation includes open discussion of the FARs utilized in maintenance programs throughout the industry that includes manufacturing, Part 337s, A.D.s, and composites.

Class Duration

3 days/24 hours

Non-Destructive Inspection (NDI) Course

The Non-Destructive Inspection course includes comprehensive general theory and practical "hands-on" training in Penetrant Testing (PT), Magnetic Particle Testing (MT), Eddy Current Testing (ET), and Ultrasonic Testing (UT) methodologies. All hands-on training is designed specifically around Bell Helicopter products and is not intended for use on other manufacturer's components or structures.

Ultrasonic and Eddy Current methodologies are conducted with specifically designed instrumentation kits. All inspection techniques are written with this equipment incorporated; therefore candidates must purchase these kits for field inspection. [This equipment may be purchased from the Bell Training Academy].

COURSE BENEFITS

The benefits of having Non-Destructive Inspection capability are reduction of direct operating costs and increase in operational readiness through:

- Increased inspection intervals
- Scheduled vs. periodic inspections
- Detection of smaller service induced anomalies may enable repair vs. replacement
- Reduction in teardowns required allowing for direct visual access
- Paint/coating removal, in most cases, is not required

PREREQUISITES

1. Certified Aviation Maintenance Technician.

COURSE COMPLETION

After satisfactory completion of the course (testing per ATA 105), the candidate will leave the Bell Training Academy with a Level I Special qualification. Upon returning to their home organization, the candidate and/or the Quality Manager must incorporate a formal written practice that will allow for continued on-the-job requirement compliance. This document will serve as the primary insertion point for future auditing of the NDI system.

Class Duration

2 weeks/80 hours

Bell Helicopter Vibration Monitor System (BHVMS)

OBJECTIVE

The objective of this course is to teach fundamental operations and skills necessary to maintain the BHVMS (Bell Helicopter Vibration Monitoring System) of the 412 model helicopter in an airworthy condition. This will include servicing, routine maintenance, troubleshooting, inspection, component change, ground station operation, and web based operations in accordance with the approved methods. At the completion of the course, the student will be able to perform all field service operations covered in the course.

PREREQUISITES

Students should have fundamental knowledge of 412-model helicopter and its systems.

COURSE CONTENTS

Bell Helicopter Vibration Monitor System (BHVMS) is a drive train health monitoring system intended to improve aircraft serviceability and maintainability between regularly scheduled inspections and overhaul periods. The BHVMS assists in vibration related maintenance functions such as main rotor track and balance, tail rotor balancing, main input drive shaft balancing, and tuning of the instrument panel Frahm absorber. Enhanced vibration diagnostics allow maintenance personnel to detect faults within the main rotor system, tail rotor drive system, engine accessory gearbox, and combining gearbox.

Class Duration

2 days/16 hours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Pilot Training

Pilot Training

All requests for enrollment must be submitted via our website, bellhelicopter.com/Training. Customers are encouraged to enroll at the earliest opportunity to ensure space availability, as courses are often booked months in advance. Written confirmation will be automatically generated after online registration.

When registering for a course, select the course you wish to attend and proceed with the online registration process. There is no minimum student number requirement for pilot flight training.

ABOUT THE INSTRUCTOR PILOTS

BTA pilots have worked worldwide performing every possible helicopter mission and are able to provide our customers factory-level knowledge blended with real-life experiences. On average, BTA pilots have 10,000 flight hours and hold Certified Flight Instructor (CFI) ratings with at least 1,000 hours of flight instruction Most have their Certified Flight Instructor Instrument (CFII), Night Vision Goggles Instructor (NVGi), and Airline Transport Pilot (ATP) certificates as well. All instructor pilots have been trained in their field and hold various degrees including Associate, Bachelor, and Masters in a number of academic fields. Several Bell instructors have been named Flight Instructor of the Year through Helicopter Association International. The BTA has a Designated Pilot Examiner (DPE) on staff.

CUSTOMIZED COURSES

If you would like to inquire about a customized course, please contact us at BTAAdmin@bellhelicopter.textron.com or call 1-800-368-2355.

G.I. BILL APPROVED
BELL HELICOPTER TRAINING ACADEMY
APPROVED
206B3 • 206L4 407
TRANSITION TRAINING

Pilot Ground & Flight Training Courses

OBJECTIVE

The objective of our pilot ground and flight procedures training is to provide the necessary knowledge and proficiency to operate the aircraft in a safe manner in accordance with the FAA Practical Test Standards.

PREREQUISITES

Pilots must possess a current FAA Helicopter Certificate with appropriate ratings or the equivalent licenses issued by a foreign military or regulatory agency and a current medical certificate.

COURSE CONTENT

Classroom Instruction: Provides comprehensive coverage of aircraft systems description and operation, operational characteristics, operating limitations, and performance planning.

Flight Training Device (FTD): Includes normal and emergency procedures with emphasis on caution/warning indications. Also includes Full Authority Digital Electronic Control (FADEC) procedures, single engine operation, and instrument approaches when applicable.

Flight Training: Provides the customer with demonstration/performance of normal maneuvers and emergency procedures. Single-engine emergency procedures training includes: hydraulics-off landings, touchdown autorotations, anti-torque system failures, and FADEC procedures when applicable. Twin-engine emergency procedures training includes hydraulics-off landings, power recovery autorotations, anti-torque system failures, single engine operations, and FADEC procedures when applicable.

NOTE

While attending any flight training course, if the student cannot meet the BTA standards within the time allocated for training, more flight training will be required at an additional charge to the student.

Class Duration

206B / 206L
5 days
20 hours Ground School
1 hours FTD
3-5 hours Flight[2]

407
5 days
20 hours Ground School
2 hours FTD
3-5 hours Flight[2]

412
5 Days
20 hours Ground School
4 hours FTD
3-5 hours Flight[3]

427
5 days
20 hours Ground School
4 hours FTD
4-8 hours Flight[3]

429 VFR
5 days
20 hours Ground School
4 hours FTD
5 hours Flight

429 IFR ADD ON[4]
3 days
4 hours Ground School
2 hours FTD
2 hours Flight

OH-58 [1]
5 days
20 hours Ground School
1 hours FTD
3-5 hours Flight in Bell 206 or [1, 3]

205, 210/UH-1H [1]**, 212/UH-1N** [1]
2.5 days
20 hours Ground School
3-5 hours Flight[3]

Huey II [1]
5 Days
20 hours Ground School
4 hours FTD
3-5 hours Flight[3]

1 Flight Training for public use agencies, military or foreign use only. Training of Foreign Nationals requires US State Department approval.
2 FAR Part 141 Course
3 Requires Customer's Aircraft
4 Requires 429 VFR Course Completion, Instrument Rating, and Garmin experience.

Flight Training Devices (FTD)

Our FTDs are non-motion, visual-equipped devices capable of VFR and IFR flight training. At a minimum, FTD sessions will have a comprehensive review of procedures, including startup, in-flight, and shutdown procedures, systems operations, malfunctions, and emergency procedures. Scheduling and syllabus will depend on the specific model in use. After the required session/s, on pilot request, we can cover additional attitude instrument flight procedures and recovery techniques for inadvertent entry into IMC.

Our 206 and 429 devices are FAA approved Level 6 for instrument currency and Instrument Proficiency Checks (IPCs).

FTDs are available for an hourly rate and block scheduling. For more information regarding pricing and scheduling, please contact BTAAdmin@bellhelicopter.textron.com.

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BELL HELICOPTER TRAINING ACADEMY
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206B3 • 206L4
407
TRANSITION TRAINING

Pilot Refresher Courses

OBJECTIVE

Successful completion of the course provides the helicopter pilot with a thorough review of the Federal Aviation Administration's (FAA) Visual Flight Rules (VFR) or Instrument Flight Rules (IFR) and procedures and demonstration and practice of normal and simulated emergency procedures while establishing proficiency and safety in every phase of flight.

PREREQUISITES

This course is designed specifically for helicopter pilots possessing at least a FAA Private Pilot Rotorcraft Helicopter Certificate or the equivalent licenses issued by a foreign military or regulatory agency that have previously completed the Bell Helicopter Ground and Flight Procedures Course for that aircraft within the previous 12 months. Pilots attending an IFR Refresher Course must hold a Helicopter Instrument Rating.

COURSE CONTENT

Classroom and/or Flight Training Device instruction will review aircraft systems operation and malfunctions. The flight training includes demonstration and practice in normal and simulated emergency procedures. The IFR Refresher training includes the control and accurate maneuvering of a helicopter solely by reference to instruments, IFR navigation by the use of the Very high Omni Range (VOR), and Global Positioning System (GPS) systems, compliance with Air Traffic Control (ATC) instructions and procedures, instrument approaches to published minimum using the VOR, Instrument Landing System, and/or GPS ILS systems, and simulated IFR emergencies.

NOTE

Completion of this course meets the requirements of 14 CFR Part 61.56 Flight Review.

Class Duration

206B / 206L
2 days
8 hours Ground School
1-2 hours FTD
3 hours Flight[2]

407
2 days
8 hours Ground School
1-2 hours FTD
3 hours Flight[2]

412
2 Days
8 hours Ground School
2 hours FTD
3 hours Flight[3]

427
2 days
8 hours Ground School
2 hours FTD VFR
3 hours Flight[3]

429
2 Days
8 hours Ground School
2 hours FTD
2 hours of Flight

OH-58[1]
2 days
8 hours Ground School
1 hour 206 FTD
3 hours Flight in Bell 206 or [1, 3]

205, 210/UH-1H/N[1]**, 212**
2 days
8 hours Ground School
3 hours Flight[3]

Huey II[1]
2 Days
8 hours Ground School
2 hours FTD
3 hours Flight[3]

1 Flight Training for public use agencies, military or foreign use only. Training of Foreign Nationals requires US State Department approval.
2 FAR Part 141 Course
3 Requires Customer's Aircraft

Law Enforcement/ Public Service Training Course

OBJECTIVE

Successful completion of the course will qualify the pilot in the appropriate model helicopter with comprehensive knowledge of the aircraft systems, operational characteristics, and flight limitations with demonstration and practice of normal and simulated emergency procedures to establish proficiency and safety in every phase of flight. The Professional Pilot Safety Program (Heliprops) is presented during this course to provide pilots with additional safety and accident prevention information. This program is designed to accommodate many state agency annual training requirements.

PREREQUISITES

Pilots must possess at least an FAA Private Pilot Rotorcraft Helicopter certificate and a current FAA medical certificate.

COURSE CONTENT

Classroom and/or Flight Training Device instruction includes the cockpit controls, instrumentation, airframe, powerplant, systems operation and malfunctions, operating limitations, performance planning, normal procedures, and simulated emergency procedures. The flight training includes instruction and practice in turbine engine operation, normal flight maneuvers, and simulated emergency procedures. The Heliprops presentation features causes and related causes of accidents and discussions of human factors, factors that affect decision making, and flight management skills.

Class Duration

206B/206L	407
5 days	5 days
24 hours Ground School	24 hours Ground School
1 hour FTD	2 hours FTD
3-5 hours Flight	3-5 hours Flight

AIRBORNE LAW ENFORCEMENT ASSOCIATION
ALEA
AFFILIATE MEMBER

Professional Pilot Program – P3

OBJECTIVE

Successful completion of the P3 course is designed to increase our customers' overall situational awareness skills and arm them with enhanced piloting skills and knowledge. This advanced pilot program targets factors that contribute to accidents and incidents as reported by the helicopter industry. A combination of mission specific flight training profiles, intensive academic classes, and FTD instrument flying are utilized to target specific training needs within each industry segment, such as Charter, Law Enforcement, Emergency Medical Services, Electronic News Gathering, and Utility.

PREREQUISITES

Attendees should have at least 1,000 hours of helicopter flight experience, hold a FAA Commercial Pilot helicopter certificate, hold a valid medical certificate, must have attended at least one Bell aircraft specific Initial and Recurrent course within the last 12 months, and for NVG Refresher, must have attended a Bell Helicopter Night Vision Goggle (NVG) Initial course. All attendees must be completely fluent in the English language since this course is only taught in English.

COURSE CONTENT

This course covers many academic areas to include Crew Resource Management, Human Factors, Helicopter Accident Review, Special Operations and Hazards, FAR/AIM review, Weather Reports and Forecasts, Basic Attitude Instruments, Instrument Approach review, and Preventative Maintenance. Although this list contains the basic course content, we continuously revise and add additional topics, such as Chelton and Garmin cockpit systems, etc. Successful completion of the P3 program will satisfy (if qualified): Aircraft Specific Recurrent Training (B206/407), Flight Instructor Refresher Clinic, FAR 61.56 Flight Review, FAR 61.57 Instrument Proficiency Check, and NVG Pilot Refresher (flight only).

Class Duration

5 Days

TACTICAL FLIGHT OFFICER (TFO) COURSE

OBJECTIVE

Successful completion of Tactical Flight Officer Course is intended to give law enforcement officials the knowledge and skills necessary to perform TFO tasks and operate under supervision, tactical flight operations equipment.

PREREQUISITES

The course is intended for students that are part of a Airborne Law Enforcement flight crew as a Tactical Flight Officer or in an aerial observer role.

COURSE CONTENT

The primary instruction method is via self paced web delivered instruction of the following topics: Introduction to Airborne Law Enforcement, Helicopter Safety and Operations, Crew Resource Mgmt and Mission Decision Making, Helicopter Systems, Basic Helicopter Operations, Aeromedical Factors, Aeronautical Knowledge, Night Operations, TFO Patrol and Tactical Procedures, and Aircraft Position Relative to Searches and Pursuits. This instruction will be reinforced with classroom sessions at the BTA with a TFO instructor. Realistic FTD scenarios will then be used for a comprehensive review of procedures and tactics.

Class Duration

Online Academics–self-paced– Approx. 20 hours

On Site at BTA– 2 days

Night Vision Goggle Ground Course

OBJECTIVE

The purpose of this course is to educate the aircrew member on Night Vision Goggles (NVG), design considerations, and operational applications. It also teaches the pilot about the NVG limitations, capabilities, and aided night flight procedures during a ground course of study.

PREREQUISITES

To be eligible for enrollment, each student must hold, as a minimum, a current FAA Private Pilot certificate with a helicopter rating or the equivalent licenses issued by a foreign regulatory agency.

Class Duration

1-2 days/8 hours Ground School

Initial Night Vision Goggle Special Operations Course

OBJECTIVE

The purpose of this course is to educate the aircrew member on Night Vision Goggles (NVG), design considerations, and operational applications. It also teaches the pilot about the NVG limitations, capabilities, and aided night flight procedures in Bell helicopters.

PREREQUISITES

To be eligible for enrollment, each student must hold, as a minimum, a current FAA Private Pilot certificate with a helicopter rating, or the equivalent licenses issued by a foreign regulatory agency. Training of Foreign Nationals requires U.S. State Department approval. Additionally, students must meet FAR 61.57 (recent flight experience), paragraphs (a) and (b). Students will furnish a helmet with a flip-up goggle mount suitable for the M949 type goggles.

COURSE CONTENT

Classroom presentations include: Night Vision Goggle Course Introduction, Introductions to NVG's, Malfunction Procedures and Limitations, NVG Aero-Medical Considerations, Night Terrain Interpretation, and Night Mission Planning. The subjects taught during class are addressed during the actual flights. Flight tasks range from the basic flight maneuvers and confined area operations to the more demanding emergency procedures. Students will perform full touchdown maneuvers, such as autorotations and autorotations with a turn.

Class Duration

206B / 407/ 429 Initial
5 days
8 hours Ground School
6 - 7.5 hours NVG Flight

Master The Night

Refresher Night Vision Goggle Special Operations Course

OBJECTIVE

The purpose of this course is to provide NVG refresher training for previously qualified aircrew members in Bell helicopters.

PREREQUISITES

To be eligible for enrollment, each student must hold, as a minimum, a current FAA Private Pilot certificate with a helicopter rating, or the equivalent licenses issued by a foreign regulatory agency and have previously completed a formal NVG course of instruction.

COURSE CONTENT

Classroom presentations include: Night Vision Goggle Course Introduction, Introductions to NVG's, Malfunction Procedures and Limitations, NVG Aero-Medical Considerations, Night Terrain Interpretation, and Night Mission Planning. The subjects taught during class are addressed during the actual flights. Flight tasks range from the basic flight maneuvers and confined areas operations to the more demanding emergency procedures. Students will perform full touchdown maneuvers such as autorotations and autorotations with a turn.

Class Duration

206B / 407/ 429 Refresher
2 days
8 hours Ground School
2-3 hours NVG Flight

NVG Ground Certification is available for all air crew members (flight nurses, flight paramedics, Flight Tactical Officers, etc.) by taking the ground portions of the Pilot NVG course.

Flight Instructor Night Vision Goggle Special Operations Course

OBJECTIVE

The purpose of this course is for successful completion of the Bell Training Academy FAA Approved Part 141.57 NVG Instructor Pilot Night Vision Goggle.

SPECIAL CURRICULA COURSE:

Each Instructor candidate will demonstrate the ability to present the training material in an organized and thorough manner. The Instructor candidate will also demonstrate and practice teaching all normal and emergency flight maneuvers and procedures while increasing proficiency and safety in every phase of flight with the utilization of night vision goggles.

PREREQUISITES

To be eligible for enrollment, each student must hold, as a minimum, a current FAA CFI certificate with a helicopter rating, or the equivalent licenses issued by a foreign regulatory agency. Each student must be able to show proof of previous NVG experience and previous successful completion of an organized NVG course of instruction that meets the requirements of FAR 61.31(k). Additionally, students must meet FAR 61.57, paragraph (a), (b) and (f) or (g) (Recent flight experience), and 61.195(k) (1-5). Students will furnish a helmet with a flip-up goggle mount suitable for the M949 goggles. Training of Foreign Nationals requires U.S. State Department approval.

COURSE CONTENT

Classroom presentations include: Night Vision Goggle Course Introduction, Introductions to NVG's, Malfunction Procedures and Limitations, NVG Aero-Medical Considerations, Night Terrain Interpretation, and Night Mission Planning. The subjects taught in class are addressed during the actual flights and are divided between the Bell Instructor and the Instructor candidate in training. Flight tasks range from the basic flight maneuvers to confined area operations as well as the more demanding emergency procedures. Students will perform as well as evaluate full touchdown maneuvers such as autorotations and autorotations with a turn. Emphasis will be on the ability of the Instructor candidate to perform, as well as instruct, the NVG tasks.

Class Duration

206B / 407/ 429 Instructor Pilot
3 days
8 hours Ground School
3-5 hours NVG Flight

Master The Night

Operational Check Flight (OCF) Courses

OBJECTIVE

Successful completion of the course provides qualified helicopter pilots with a review of detailed information on aircraft systems, knowledge of airworthiness inspection procedures, OCF procedures, basic troubleshooting/fault isolation procedures, and familiarization with maintenance manuals and records for the model aircraft in which training is being conducted.

PREREQUISITES

Each pilot must have attended the Pilot Ground and Flight Procedures Course for the model aircraft in which training is being conducted within the past 12 months. The pilot must have flown at least fifty hours in the model aircraft being trained. The pilot must hold at least a current third class medical certificate. The pilot must possess appropriate ratings or licenses issued by the FAA or a foreign regulatory agency.

COURSE CONTENT

The classroom presentation provides detailed information on aircraft systems, knowledge of airworthiness inspection procedures for aircraft acceptance after maintenance, procedures for performing complete and limited operational ground run checks, hover checks and flight checks, basic troubleshooting/fault isolation procedures, and familiarization with maintenance manuals and records. Flight training includes 1.5 hours of proficiency flight training in normal and simulated emergency procedures and approximately 1.5 hours for the functional ground checks, hover checks, and flight checks. Attendees will perform a functional check flight to ensure all systems and components are operating properly in accordance with the Flight and Maintenance Manuals. Crew coordination duties, proper fault recording, and sign-off procedures are covered.

Class Duration

206B/206L
2 days
8 hours Ground School
1.5 hours FTD
1.5 hours Flight

407
2 days
8 hours Ground School
1.5 hours FTD
1.5 hours Flight

412
2 days
8 hours Ground School
1.5 hours FTD
1.5 hours Flight

OH-58
2 days
8 hours Ground School
1.5 hours FTD
1.5 hours Flight

429
2 days
8 hours Ground School
1.5 hours FTD
1.5 hours Flight

FAR Part 61 Rotorcraft Helicopter Rating Course

OBJECTIVE

Successful completion of the course will assist an individual in obtaining the appropriate certificate or rating with a comprehensive knowledge of general aeronautical subject areas and demonstration and practice of helicopter flight maneuvers to reach the proficiency level as required by the FAA Practical Test Standard.

PREREQUISITES

An individual must be at least 17 years of age for the Private and Instrument, 18 for Commercial and Certified Flight Instruction, and 23 for the ATP, be able to read, speak, and understand the English language, and obtain at least a third class medical certificate. The pilot must meet the aeronautical experience requirements or rating prerequisites as specified in the Federal Aviation Regulations.

COURSE CONTENT

Classroom and/or Flight Training Device instruction will include aerodynamics, FAA regulations, weather, weather services, airspace, airport operations, weight and balance, performance, flight instruments, plotting and navigation, and flight controls. The flight training includes complete familiarization with the Model 206B helicopter, instruction in the turbine engine operation, flight instruction in all normal flight maneuvers and simulated emergency procedures including hovering, air taxiing, airport, and traffic pattern operations, cross-country flight operations, high altitude takeoffs, running landings, rapid decelerations, autorotations, hydraulic failures, and tail rotor failures.

Flight Instructor Courses include basic and advanced aerodynamics, hazards of helicopter flight, techniques of flying a Bell helicopter, techniques of flight instruction of basic maneuvers, and principles of instruction for the learning process. The curriculum requires extensive independent study.

Flight Instructor Course
(No FAA Rating Issued)

OBJECTIVE
Successful completion of the ground training course provides the commercial helicopter pilot with a thorough understanding of basic techniques and procedures of helicopter flight instruction.

FLIGHT: To demonstrate and practice teaching all normal maneuvers and emergency procedures while increasing proficiency and safety in every phase of flight.

PREREQUISITES
This course is designed specifically for a pilot possessing a Commercial Certificate with a helicopter rating issued by a regulatory agency. The pilot must have completed the ground and flight procedures course for the appropriate aircraft within the preceding twelve months. Additionally, the pilot must have one or more years of recent experience flying the aircraft. All candidates for this course will be of above average flying ability with particularly good knowledge of technical and aeronautical terminology. They should be effective communicators and able to impart knowledge to other helicopter pilots.

COURSE CONTENT
Classroom presentations cover basic and advanced aerodynamics, hazards of helicopter flight, techniques of flying a Bell helicopter, techniques of flight instruction of basic maneuvers, and principles of instruction for the learning process. The curriculum requires home study.
Flight training includes demonstration and practice of instructing all normal and emergency procedures in the model helicopter flown including hovering, air taxiing, airport and traffic pattern operations, high altitude takeoffs, run-on landings, rapid decelerations, autorotations, hydraulic failures, and tail rotor failures.

NOTE
RATINGS COURSE length will vary dependent on individual evaluation and contractual obligations.

Class Duration
ALL MODELS
Varied length
12 hours Ground School
2 hours FTD
2 hours Flight

Heliprops
Helicopter Professional Pilots Safety Program

Heliprops Professional Pilot Safety Program

"Human Factors for Helicopter Pilots"

OBJECTIVE

The purpose of this course is to address and analyze specific Human Factors topics as they relate to safe and efficient flight. It will also analyze various human factors and discuss and address specific methods to improve pilot human performance and reduce the chance of accidents due to human error.

PREREQUISITES

Attendees should be FAA or foreign regulatory agency rated and licensed pilots and should possess English comprehension skills of reading, writing, and speaking.

COURSE CONTENT

Analyze various human factors including situational awareness, spatial disorientation, alertness/fatigue, and decision making by presentation and discussion of case studies.

Class Duration 4 hours

1st Responder
HELICOPTER SAFETY

First Responder Helicopter Safety Training Program

OBJECTIVE

This course is designed to provide Helicopter Safety Training for Law Enforcement, Fire Fighters, and Emergency Medical Personnel. It will provide the knowledge necessary to safely and effectively perform duties in a helicopter environment in any situation whether it is in a normal operation or an emergency.

PREREQUISITES

This program is offered in a DVD format requiring no formal classroom instruction. First Responders can play this program using a standard DVD player or with a computer that has DVD capability. The program is professionally narrated in English. This program is NIMS compliant.

COURSE CONTENT

This program is organized into three (3) training modules:

- Helicopter Capabilities and General Description
- Helicopter Safety Procedures
- Helicopter Rescue Operations

First responders DVD provides instruction in the following topics:

- Basic knowledge of the helicopter airframe configuration, aircraft systems, and basic aerodynamics.
- Hazards involved in operating around helicopters and the safety precautions required.
- Immediate actions required by the first responder when first on scene, Helispot (Landing Zone) selection, operational hazards, and situational awareness.
- Actions and procedures necessary to effect a safe recovery of pilot, crew, and passengers.

Class Duration DVD based or customized instructor led class available