



KSU/UHI Helicopter Program Information Sheet

issued 11/18

The KANSAS STATE UNIVERSITY-SALINA (KSU-S) Helicopter Programs are designed to enable students to achieve their Federal Aviation Administration (FAA) Helicopter Pilot Certificates along with their BS college degree, in a safe and controlled environment with any adjustments necessary to compensate for a student's own progress.

Students can take their pilot certificates as their personal circumstances dictate but they must follow the sequence listed below. If you are registered in a KSU-S Aviation Degree Program there are five separate Flight and Ground courses approved by the FAA under CFR Part 141 and these courses are normally undertaken at the rate of one per semester. Each rating must be completed with a passing grade for the ground courses and the completion of the Pilot Certificate for that specific rating before a student can move onto the next rating.

In these programs, the Ground studies related to each rating are conducted by KSU-S as a normal credit hour course. Under a contract agreement with KSU-S, Universal Helicopters (UHI) supplies the helicopter flight training for each rating as well as the ground instruction related to the helicopter, specific maneuvers and in preparation of the check ride. (A check ride is the final test, which includes a flight and oral questioning given by the FAA or a Designated Pilot Examiner for each rating)

The certificates and courses are:

1. **Private Pilot Certificate:** The FAA Part 141 requires a minimum of 35 flight hours and 35 hours of formal ground study followed by an FAA written Knowledge Test, and an FAA Oral Exam and Practical (Flight) Test. The average student will require more flight and ground hours than specified in the FAA minimums and should plan on 40-50 hours of flight and some additional hours of ground in addition to home study on assignments given by their instructors. Ultimately the number of flight and ground hours taken is a direct function of the student's own ability to absorb and learn the syllabus material outside the classroom environment.

A private Pilot Certificate authorizes a pilot to carry passengers or property and fly both in the daytime and at night but with a few specific exceptions does not allow the pilot to be compensated or hired.

Preparing for a Private Pilot Certificate and taking your 1st solo flight, is an experience that you will never forget !!!

Pilots will normally train in the Robinson R22 Helicopter unless they weigh over 235 lbs, in which case they will be required to train in the Robinson R44 Helicopter.

Pilots with airplane certificates or ratings or with a foreign pilot helicopter certificate have reduced requirements to obtain an FAA Private Pilot Helicopter Certificate and need to discuss their specific situations with UHI management based on their qualifications and experience.

2. **Instrument Rating:** After obtaining a Private Pilot Certificate, the next course is the Instrument Rating which teaches the pilot to fly solely by reference to instruments. This enables them to fly in conditions where the visibility is very poor or in the clouds with no external references. A prerequisite for a student to enroll in an Instrument Rating Course is an FAA Private Pilot Helicopter Certificate. The FAA Part 141 requires a minimum (UHI) of 35 flight hours and 34 hours of formal ground instruction followed by an FAA written Knowledge Test, and an FAA Oral Exam and Practical (Flight) Test. Again, like the Private Pilot Certificate course, some students will require significantly more flight and ground hours than specified in the FAA minimums and should expect around 50 hours of flight and 80 hours of ground. Since the instrument rating is one of the most difficult of the 5 ratings required, additional time devoted to home study will help reduce the flight and ground time required to finish the Instrument Rating to the FAA's Practical Test Standards.

Obtaining the Instrument Rating has been describe like playing a real life video game !!!

Training is carried out in both the Robinson R22 Beta II (10 hours) and the remainder in the Robinson model R44 Instrument Trainer and with the Garmin 430W Trainer.

3. **Commercial Pilot Certificate:** This certificate enables the pilot to fly for hire or reward, requires flying to higher standards of performance & accuracy, and requires the pilot to gain more flight time experience. The prerequisite for a student to enroll in this course is a Private Pilot Helicopter Certificate. The FAA Part 141 minimum (UHI) hours are 115 hours of flight and 30 hours of ground instruction followed by an FAA written Knowledge Test, and an FAA Oral Exam and Practical (Flight) Test. The Flight Maneuvers and most of the Ground Training is a repeat of the Private Pilot Areas of Operation and Knowledge but to a much higher standard and pilot ability.

The Commercial Pilot Certificate process is pure Fun and will develop your flight skills to a much higher proficiency level !!!

Pilots will normally train in the Robinson R22 Helicopter unless they weigh over 235 lbs, in which case they will be required to train in the Robinson R44 Helicopter.

4. **Certified Flight Instructor (CFI):** A CFI Helicopter Certificate enables an "Instructor Pilot" to provide flight instruction to students who wish to obtain their FAA Private and Commercial Helicopter Certificates. This intensive course teaches Commercial pilots to become flight instructors and requires a thorough and comprehensive knowledge of the FAA training syllabus. The instructor student must also develop the teaching skills to impart the technical course material to student pilots. While the FAA Part 141 course minimums (UHI) are 25 flight hours and 44 ground hours, the average times are more like 30-50 flight hours and 100 ground hours followed by an FAA written Knowledge Test, and an FAA Oral Exam and Practical (Flight) Test. This is the time where pilots must not just be able to fly to commercial pilot standards but they must be able to talk and teach while performing these maneuvers and while maintaining a safe and protective environment for the student.

Obtaining the CFI will be the most rewarding rating and a great confidence builder but, it will also be the rating that requires the most preparation by you...

Pilots will normally train in the Robinson R22 Helicopter unless they weigh over 235 lbs, in which case they will be required to train in the Robinson R44 Helicopter.

5. **Certified Flight Instructor Instrument (CFII):** This CFII Certificate enables the instructor pilot to teach Private or Commercial pilots to fly a helicopter solely by reference to instruments. The FAA Part 141 course minimums (UHI) are 28 hours of ground instruction and 15 hours of flight instruction. Typical averages are 40 hours of ground and 20 hours of flight followed by an FAA written Knowledge Test, and an FAA Oral Exam and Practical (Flight) Test.

Training is carried out in the Robinson model R44 Instrument Trainer and with the Garmin 430W Trainer.

In all these courses there are students who will come very close to passing the exams in the FAA minimum times for flight and ground, and there will be those students who exceed the averages, sometimes considerably. The effort that the individual student puts into their training will directly affect their own completion times. KSU-S and UHI will tailor both flight and ground instruction to assist students to complete their courses in the minimum times

Kansas State University-Salina and Universal Helicopters want your flight training to be a safe, productive, and enjoyable. To this end, there are a number of regulations set out by the FAA and operating rules and safety policies, practices and procedures specified by KSU-S and UHI that students need to understand and comply with. To this end, all students are required to sign formal Training Agreements that will explain these details.

The Step by Step Process to Success

From First Enrollment to your Pilot Employment Positions

1. Take a Introductory Flight in an R22 or R44 (not mandatory but, recommended)
2. Non US Citizens Must go through a US Department of Homeland Security TSA "Alien Flight Student Program" security check process
3. Obtain a 2nd Class Student Pilot / Medical Certificate
4. Register for Classes at KSU-S
5. Complete the KSU-S /UHI Information Packet Documents and Check List (get from KSU-S)
6. Once KSU-S checklist is completed, Contact Universal President Gordon Jiroux at 602-469-2258 to schedule an appointment with UHI
7. Bring Passport or Birth Certificate and Drivers License to your UHI appointment
8. Get on UHI'S flight schedule (2-3 flight/activities per week)
9. If you are on academic or medical hold, you will be removed from the flight schedule and you cannot fly until UHI receives written authorization from KSU-S personal.
10. Receive your UHI personal log In and Password to your Personal Student UHI website
11. Review the documents and go through all of the tabs along the top of the Personal home page
12. Familiarize yourself with the Universal Helicopters website (www.universalheli.com)
13. Get to know the UHI/KSU-S Student Liaison
14. Your payments to UHI will be done by ?????? at the end of each activity. Prepayment to UHI will only be accepted through KSU-S cashiers office.
15. Complete 1 rating per semester (5 Ratings - 5 Semesters)
16. Once you start a Flight and/or a Ground course you must complete both courses with a passing grade and obtain your pilot certificate before you can move on to the next pilot rating.
17. You will have approximately 200 flight hours upon Completion of all 5 Ratings
18. After completion you will work as a Flight Instructor until you obtain approximately 1000 flight hours as Pilot in Command (PIC) of a helicopter.
19. Flight Instructor starting pay will vary from \$18.00- \$25.00 per hour
20. After you have approx 1000 flight hour PIC, generally you can expect your next pilot position will be to fly tours or flying personnel and cargo to and from off shore oil rigs. Salaries range from \$35,000 - \$65,000 per year/season. The Gulf coast, Alaska, Las Vegas and the Grand Canyon are some of the area's that you can expect to relocate to for your first non-instructor positions
21. A helicopter pilot's work schedules will vary from the normal 5 days a week to a 7 – 14 days on then, 7-14 days off, schedule system
22. After approx 2000 PIC and approx. 500 hours of Turbine some Medical Transport pilot positions will become available to you as a pilot. Common work schedule is 7, 12 hour shifts in a 7 day period, then 7 days off.
23. Medical Transport Pilot Salaries will range from approx. \$65,000 – \$85,000 plus benefits

Veterans:

Ask about the additional options available to you in order to maximize the usage of your Post 9/11 G.I. Bill

"COMPANIES ARE NOT LOOKING FOR GREAT PILOT'S. THEY ARE LOOKING FOR GOOD PILOTS, WHO ARE GREAT PEOPLE, WITH A GREAT DISPOSITION, WHO PUT SAFETY AND OTHERS FIRST AND WHO FOLLOW ALL COMPANY POLICIES, PRACTICES AND PROCEDURES WITHOUT EXCEPTION"

Gordon Jiroux

President

UNIVERSAL HELICOPTERS

**DO NOT START THE HELICOPTER FLIGHT COURSES
UNLESS YOU ARE REASONABLY SURE THAT YOU CAN
OBTAIN THE NECESSARY FUNDS TO COMPLETE THE
ENTIRE PROGRAM**

END

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