



S-271: Helicopter Crewmember (2010) Course Plan

Course Details

Description:	This is a combined classroom/field course designed to provide student proficiency in all areas of the tactical and logistical use of helicopters to achieve efficiency and standardization. Topics include aviation safety, aircraft capabilities and limitations, aviation life support equipment, aviation mishap reporting, pre-flight checklist and briefing/debriefing, aviation transportation of hazardous materials, crash survival, helicopter operations, helicopter field exercise.
Designed For:	Personnel desiring to be qualified as a Helicopter Crewmember (HECM).
Authority:	National Wildfire Coordinating Group (NWCG)
Prerequisites:	Completed SFTFire Fighter 1.
Standard:	N/A
Hours:	24-26 hours
Maximum Class Size:	30
Instructor Level:	Primary instructor
Instructor/Student Ratio:	1 primary instructor per 5 students (skills)
Restrictions:	Limited to Instructor-Led Delivery only.
SFT Designation:	FSTEP

Required Resources

Online Instructor Resources

The following instructor resources are available online at <https://www.nwcg.gov/publications/training-courses/s-300>

- Instructor-led delivery course materials
- Instructor Guide
- Student Workbook
- Quizzes, handouts
- NWCG Passenger/ Crew Cargo and Manifest, PMS 245
- NWCG Standards for Helicopter Operations, PMS 510
- NWCG Standards for Aviation Transport of Hazardous Materials, PMS 513
- Interagency Load Calculations
- Aviation Life Support Equipment (ALSE) Handbook
- FSH 5709.16 Chapter 30 section 33- Flight Plans and Flight Following (2017)
- DOI Departmental Manual 351DM1- Flight Operations Standards and Procedures

Student Resources

To participate in this course, students need:

- Incident Response Pocket Guide (IRPG), PMS 461
- Helicopter Crew Member Task Book, PMS 311-22
- Basic Aviation Safety Booklet
- Student workbook

Facilities, Equipment, and Personnel

The following facilities, equipment, or personnel are required to deliver this course:

Facilities

- Standard classroom equipped for 24 students
- Whiteboards or easel pads with appropriate writing implements
- Projector/TV with appropriate laptop connections
- Wifi/Internet access

Equipment

- Map 1 and Map 2 for TDGS exercises will need to be printed on a plotter at a minimum size of 24" x 36".
- Sand tables for TDGS exercises.

Objectives

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1. Upon completion of this course, the student will be able to demonstrate proficiency in all identified areas of helicopter use to safely achieve efficiency and standardization.