

Basic Meteorology Course for Air Traffic Controller

Recommended duration and degree of expertise for the ATCO course

Subject matter	Recommended duration (hours)		Degree of expertise
	Trainees without previous aviation experience	Trainees with previous aviation experience	
	33	21	
Initial course			
<i>Atmosphere; atmospheric temperature and humidity</i>			2
<i>Atmospheric pressure</i>			3
<i>Pressure-wind relationship; vertical motion in the atmosphere</i>			2
<i>Formation of clouds and precipitation</i>			3
<i>Air masses and fronts; frontal depressions; weather at fronts and other parts of the frontal depression</i>			2
<i>Other types of pressure systems</i>			2
<i>Surface observations</i>			3
<i>Upper-air observations; station model</i>			2
Licence course			
<i>Winds near the earth's surface; winds in the free atmosphere</i>			2
<i>Turbulence; thunderstorms</i>			3
<i>Aircraft icing; visibility and runway visual range (RVR)</i>			3
<i>Volcanic ash</i>			3
<i>General climatology</i>			1
<i>MET service for international air navigation</i>			2
<i>Aeronautical MET reports</i>			4
<i>Prognostic charts</i>			2
<i>Aeronautical forecasts and warnings; aircraft observations and AIREPs</i>			4
<i>MET information for ATS units and search and rescue services centres</i>			4
<i>Weather in the tropics (where the topic is considered necessary)*</i>			2
<i>Field trip to a local MET office and station (about 1.5 hours)</i>			2

* When this topic is included in the course, the recommended duration becomes as follows: 34.5 hours for trainees without previous aviation experience and 22.5 hours for trainees with previous aviation experience.

