

Atmospheric and Space Scientists

19-2021.00



Description: Investigate atmospheric phenomena and interpret meteorological data, gathered by surface and air stations, satellites, and radar to prepare reports and forecasts for public and other uses.

Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

Sample of Reported Job Titles: Broadcast Meteorologist, Forecaster, Forensic Meteorologist

Job Zone

Title: 4 - Considerable Preparation Needed

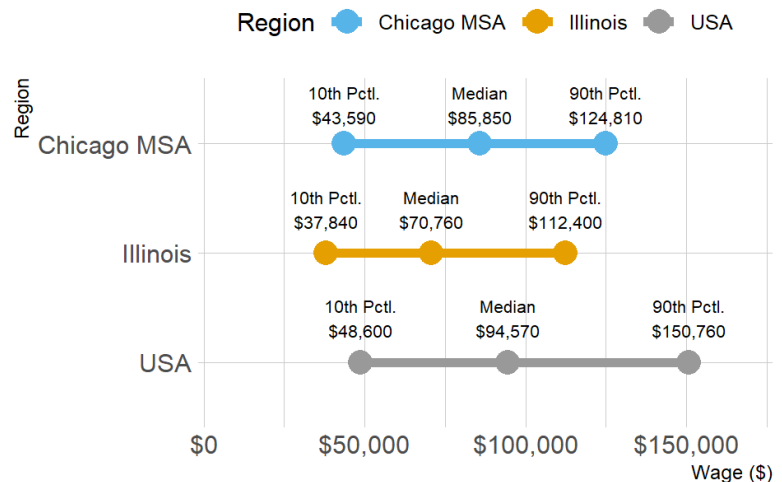
Education: Require a four-year bachelor's degree.

Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

Training: Several years of work-related experience, on-the-job training, and/or vocational training needed.

Hot Technologies: Adobe Systems Adobe Photoshop, C++, Facebook, IBM SPSS Statistics, Linux, Microsoft Access, Microsoft Office Suite, Perl, Python, R

Region	Employment	Location Quotient	Median Wage
Chicago MSA	70	0.26	\$85,850
Illinois	–	–	\$70,760
USA	8,520	–	\$94,570



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Broadcast weather conditions, forecasts, or severe weather warnings to the public via television, radio, or the Internet or provide this information to the news media.

Several times daily

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Gather data from sources such as surface or upper air stations, satellites, weather bureaus, or radar for use in meteorological reports or forecasts.

Hourly or more

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Prepare weather reports or maps for analysis, distribution, or use in weather broadcasts, using computer graphics.

Several times daily

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Develop or use mathematical or computer models for weather forecasting.

Hourly or more

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Formulate predictions by interpreting environmental data, such as meteorological, atmospheric, oceanic, paleoclimate, climate, or related information.

Daily

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