METEOROLOGIST / WEATHER FORECASTER

Career of the Week

WHAT DOES A METEOROLOGIST DO?

A meteorologist studies the weather and weather systems to forecast future weather conditions

Meteorologists...

- Broadcast weather forecasts, or severe weather warnings to the public via television, radio, etc.

- Gather data for use in meteorological reports or forecasts.

- Develop or use mathematical or computer models for weather forecasting.

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

- Interpret data, reports, maps, photographs, or charts to predict long- or short-range weather conditions, using computer models and knowledge of climate theory, physics, and mathematics.

Meteorologists...

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

Analyse historical climate information, such as precipitation or temperature records, to help predict future weather or climate trends.

Analyse climate data sets, using techniques such as geophysical fluid dynamics, data assimilation, or numerical modeling.

Conduct numerical simulations of climate conditions to understand and predict global or regional weather patterns.

How do I become a Meteorologist?

Course Code	Course Name	HEI	Points	Subject Requirements
GY319	Mathematical Science	Uni. Of Galway	510	O1/H5 Maths
CK407	Mathematical Science	UCC (Cork)	555	H3 in Maths
DC175	Physics	DCU	402	O3/H6 Maths O3/H5 Science Sub.
LM066	Environmental Science	UL	420	H4 Science Subject

- Courses in Career Sectors such as 'Earth and Environment' and 'Physics, Mathematics & Space Science' can lead to qualifying as a Meteorologist.

Met Éireann

Met Éireann is the main employer of meteorologists in Ireland

Some professions in Met Éireann include;

| Weather forecasters | Climatologists | Research scientists | IT specialists | Database experts | Hydro-meteorologists | Instrument engineers |

Attributes and Skills needed

As a meteorologist, you will need a good understanding of maths and physics.
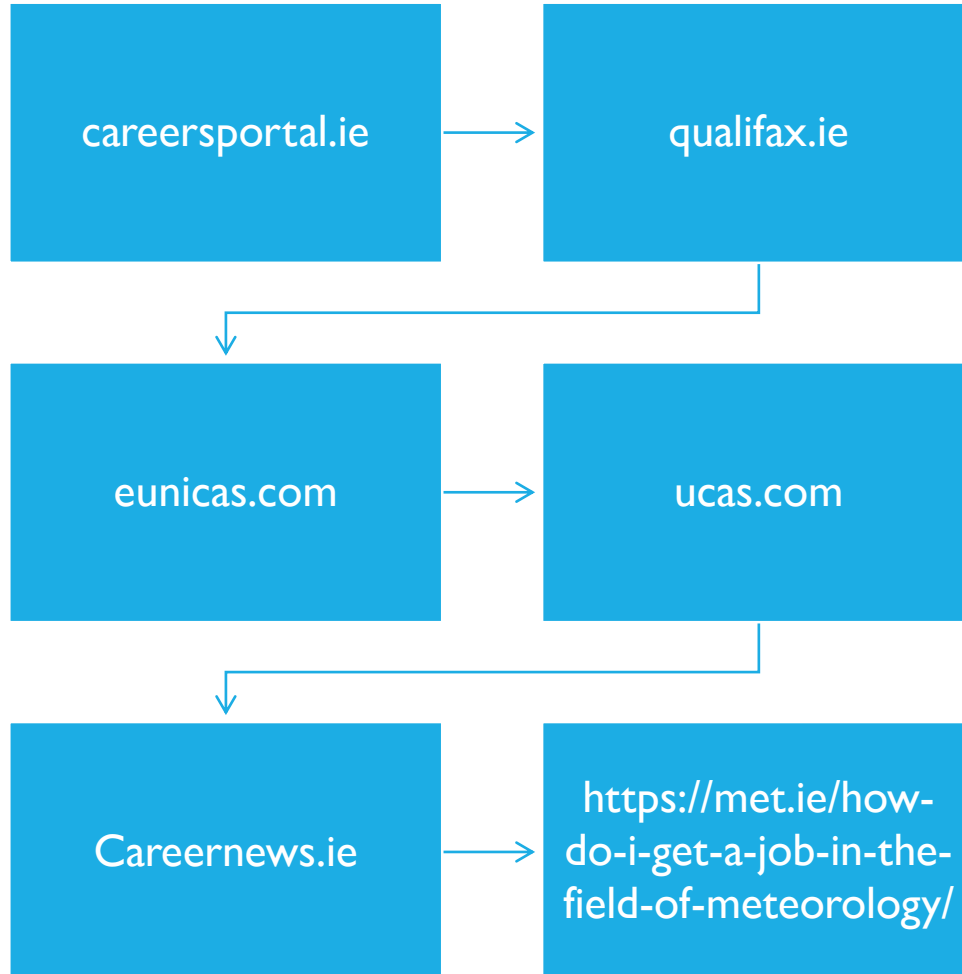
You need to be precise and methodical when recording and analysing data.

Computer and technical skills are also needed in this career.

Present findings and predictions clearly, both verbally and in writing.

You should be prepared to work as part of a team

Where can I find more information

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careersportal.ie  →  qualifax.ie
                           ↓
eunicas.com  →  ucas.com
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Careernews.ie  →  https://met.ie/how-do-i-get-a-job-in-the-field-of-meteorology/
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- Ask your teachers

- Ask your guidance counsellors

- Ask friends and family