

CERTIFICATE IN WEATHER STUDY

General Information

The Certificate in Weather Study program is offered for those interested in learning about meteorology and companion disciplines in some depth, but not at the major level. Students who complete the certificate will be able to read and interpret basic weather maps and make basic weather forecasts for themselves and will be conversant on many weather and climate-related topics of ongoing interest and importance, such as global climate change.

For advice about completing the certificate, consult with the certificate advisor, Dr. John Monteverdi. For information about applying to receive the certificate once the program requirements are met, see http://tornado.sfsu.edu/Programs/Weather_Study_Cert.html.

Weather Study Certificate – 24 Units

Meteorology Core Requirement (14 Units)

| Code | Title | Units |
|----------|--------------------------------------|-------|
| ERTH 172 | Our Dynamic Ocean Lecture and Lab | 4 |
| ERTH 260 | Physical Processes in the Atmosphere | 4 |
| ERTH 461 | | 1 |
| ERTH 490 | Public Weather Forecasting | 1 |
| ERTH 535 | Planetary Climate Change | 4 |

Electives (10 Units)

On advisement, select at least 10 units from among those listed below.

| Code | Title | Units |
|---|---|-------|
| ERTH 310 | The Violent Earth ¹ | 3 |
| ERTH 360 | California Weather Events ¹ | 3 |
| ERTH 365 | Extreme Weather in a Warming World ¹ | 3 |
| Any Earth Sciences (ERTH) course numbered 410 or higher, for example: | | |
| ERTH 465 | Weather Analysis and Forecasting I (4) | |
| ERTH 456 | (2) | |

¹ Course fulfills a General Education requirement.