

**Regional
Training
Centre**

**South
African
Weather
Service**



2016

**Training
Courses**

Form: 2016 – RTC Training Courses offered

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Full-time accredited courses

<u>COURSE NAME</u>	<u>DURATION</u>	<u>REGISTRATION CENTRE</u>	<u>2016 RATES *</u>
<p>National Certificate: Weather Observations including the aviation competencies for aviation observers. This course is BIP-MT compliant (Meteorological Observer course)</p> <p>Pre-requisite requirements are Mathematics, Physical Science and English passed with 50% and higher on graduation from high school/secondary school level.</p>	<ul style="list-style-type: none"> ▪ 10 months ▪ February to November 	South African Weather Service	<p>37 000.00 ZAR *</p> <p>2585.37 USD *</p>
<p>Certificate Programme in Weather Forecasting including the aviation competencies for aviation forecasters. (In partnership with University of Pretoria & CE@UP)</p> <p>http://ceweb01.eatup.co.za/default.aspx?tabid=58&Course=250148f4-6d45-e011-a944-0050569b0004</p> <p>Pre-requisite requirement is the BIP-M</p>	<ul style="list-style-type: none"> ▪ 10 months ▪ February to November 	South African Weather Service	<p>48,760.00 ZAR *</p> <p>3480.17 USD *</p>

Full-time short courses

<u>COURSE NAME</u>	<u>DURATION</u>	<u>REGISTRATION CENTRE</u>	<u>COST</u>
<p>Unit Standards of the National Certificate: Weather Observations can be given as short courses for continuous professional development Pre-requisite requirements are Mathematics, Physical Science and English passed with 50% and higher on graduation from high school/secondary school level.</p> <ul style="list-style-type: none"> ➤ Explain basic meteorological concepts (understanding of all meteorological variables) ➤ Analyse basic meteorological circulations and climate theory ➤ Code and decode meteorological messages, (includes SYNOP and Aviation observations and coding thereof) ➤ Identify and explain the formation of clouds and associated precipitation types ➤ Conduct and interpret upper air observation data, (includes basic aerological diagram interpretation) ➤ Install, use and maintain automatic weather stations (AWS), including AWS verification ➤ Manage and maintain an operational weather/climate station, including climate checking/fault finding. 	<ul style="list-style-type: none"> ▪ Will only be presented if the minimum number of learners is reached ▪ Each Unit Standard has specific entry requirements and the duration is subject to the specific credits of the Unit Standard. 	South African Weather Service	Quotes on request

Full-time short courses – cont.

<u>COURSE NAME</u>	<u>DURATION</u>	<u>REGISTRATION CENTRE</u>	<u>COST</u>
<p>Each of the following forecasting subjects can be given as short courses for continuous professional development</p> <p>Pre-requisite requirement is a BIP-M with English</p> <ul style="list-style-type: none"> ➤ Geography and climatology – (Basic geography and climatology of Southern Africa including topography rainfall, temperature, wind, vegetation, basic weather systems) ➤ Aerological Diagrams (vertical atmospheric profiles and their application in forecasting) ➤ Real time data analysis (interpretation of land and sea weather codes) ➤ NWP for forecasting (Operational use of NWP data and output products) ➤ Course in Basic Meteorological Satellite Image Interpretation ➤ RADAR (Conventional and Doppler RADAR image interpretation) ➤ Course in Hazardous Weather to Aviation ➤ Introductory course on Coastal Meteorology 	<ul style="list-style-type: none"> ▪ Will only be presented if the minimum number of learners is reached ▪ Each subject has specific entry requirements and the duration is subject to the specific credits 	<p>South African Weather Service</p>	<p>Quotes on request</p>

Full-time/Blended short courses – cont.

<u>COURSE NAME</u>	<u>DURATION</u>	<u>REGISTRATION CENTRE</u>	<u>COST</u>
<p>Learnership programme on Aviation observations including distance learning options Based on the ICAO AMO competency criteria standards</p> <p>Option 1 – Intake with no previous experience</p> <ul style="list-style-type: none"> ▪ Nine week full-time course blended with MOODLE activities <p>Option 2 – Intake with some previous observation experience</p> <ul style="list-style-type: none"> ▪ Seven week Distance Learning activities on Moodle ▪ Two week full-time course blended with MOODLE activities including compilation of PoE aligned to AMO competency standards <p>Pre-requisite Basic Mathematics, Physical Science and English</p>	<p>Option 1 Dates on request</p> <p>Option 2</p> <ul style="list-style-type: none"> ▪ 18/01/2016 to 4/03/2016 ▪ 07/03/2016 to 18/03/2016 <p>or</p> <ul style="list-style-type: none"> ▪ 26/09/2016 to 11/11/2016 ▪ 14/11/2016 to 25/11/2016 	<p>South African Weather Service</p>	<p>Quote on request</p> <p>Note: For SADC Meteorological Service members no charge will be levied for the distance learning component.</p>

Full-time/Blended short courses – cont.

<u>COURSE NAME</u>	<u>DURATION</u>	<u>REGISTRATION CENTRE</u>	<u>COST</u>
<p>Learnership programme on Aviation Forecasting including distance learning options</p> <p>Competency Forecasting training on the SAWS MOODLE site Based on the ICAO AMF competency criteria standards</p> <p><u>4 month Blended learning course with RTC competency certificate</u> –</p> <ul style="list-style-type: none"> ▪ Twelve week Distance Learning activities on Moodle ▪ 3 Week contact (forecasting desk on aviation hazards) ▪ 1 Week compilation of PoE aligned to AMF competency standards <p>Pre-requisite requirement is a BIP-M with previous forecasting experience and English</p>	<ul style="list-style-type: none"> ▪ Entry on request – no time limit <ul style="list-style-type: none"> ▪ 01/02/2016 to 30/06/2016 <p>or</p> <ul style="list-style-type: none"> ▪ 04 July 2016 to 30/11/2016 	<p>South African Weather Service</p>	<p>Quote on request</p> <p>Note: For SADC Meteorological Service members no charge will be levied for the distance learning component.</p>

Full-time courses at Universities with an MOU with South African Weather Service

NOTE:-Application closes in August for the following academic year starting in February

<u>COURSE NAME</u>	<u>DURATION</u>	<u>REGISTRATION CENTRE</u>	<u>COST</u>
<p>BSc Meteorology and BSc Hons in Meteorology (4th year) Basic Instruction Package for Meteorologists compliant. Pre-requisite requirements as specified by the University</p>	<ul style="list-style-type: none"> ▪ Three years ▪ and then ▪ Plus one additional year 	University of Pretoria	Quote on request from University of Pretoria
<p>BSc Atmospheric Sciences or Geography or Climatology (specializing in Climatology) Pre-requisite requirements as specified by the University</p>	<ul style="list-style-type: none"> ▪ Three years 	University of Zululand University of Cape Town University of Witwatersrand	Quote on request from the relevant University
<p>BSc in Agro-Meteorology Pre-requisite requirements as specified by the University</p>	<ul style="list-style-type: none"> ▪ Three years 	University of Free State	Quote on request from University of Free State
<p>BSc in Oceanography Pre-requisite requirements as specified by the University</p>	<ul style="list-style-type: none"> ▪ Three years 	University of Cape Town	Quote on request from University of Cape Town

Contact Details

- **REGIONAL TRAINING CENTRE**

Web: www.weathersa.co.za (Regional Training Centre link is at the bottom of the home page).

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- **SAWS LIBRARY**

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When making enquiries regarding courses offered through the South African Weather Service,
please quote the following reference number:- **RTC2016**