

## AEF Base learning plan

This page shows the learning plan for the [AEF Base certification program](#).

■ **Note:** You should be registered on the [program](#) before following this learning plan.

### Training courses

Courses should be completed in sequence as indicated by their level. Click on each course title for a full description, price and course availability by region/language.

[Course registration](#)

Level	Course	Course attendance	Assessments
1.2	<a href="#">AEF Starting with the ARENA Extension Framework</a>	Optional *	<a href="#">D11: AEF Base - Starting with AEF</a> <a href="#">D14: AEF Base - ARENA SQL</a>
1.4	<a href="#">AEF: Customisation with Python AEL and ACM</a>	Mandatory	<a href="#">D12: AEF Base - Python ACM &amp; AEL Part 1</a> <a href="#">D13: AEF Base - Python ACM &amp; AEL Part 2</a>
1.6	<a href="#">AEF: Calculation Trees, ADFL and ACM</a>	Mandatory	<a href="#">D15: AEF Base - ADFL &amp; ACM</a>
1.8	<a href="#">AEF: Customising the User Interface</a>	Mandatory to attend one of these courses	
1.8	<a href="#">AEF for Reporting: Using XML and XSLT</a>		

\* Experienced developers, who are familiar with FRONT ARENA and Python may find it possible to pass assessments D11 and D14 without attending this course.

### Assessments

You may proceed to the assessments once you have attended the corresponding course or acquired relevant knowledge. Note that the assessments may include topics not covered in the course but which are documented in the standard FRONT ARENA documentation. You may need to refer to the learning resources listed below when completing your assessment.

The [assessments](#) page has more information including the style of assessment (types of questions), which assessments can be taken separately, and which must be taken together.

AEF Base assessments are controlled tests - this means that you need to contact Front University in advance in order to agree a start date for the tests. To do so, please use the registration links on the [assessments](#) page.

### More learning resources

Some of the resources below may require a community member login. Note that document links apply to Front Arena 2.2, for Front Arena 4 [click here](#). If you need a password reminder [click here](#).

#### D11: AEF Base - Starting with AEF

[Kbase: Documents > AEF](#)

[AEF Base eLearning exercises](#)

#### D12 & D13: AEF Base - Python ACM & AEL

[Kbase: Documents > Python / AEL](#)

[Kbase: Documents > AEF](#)

[AEF Base eLearning exercises](#)

#### **D14: AEF Base - ARENA SQL**

For assessment D14 you also need to understand the following aspects of ARENA SQL (ASQL):

- How the data model represents Instruments and Trades
- Temporary tables
- Variables
- Unions
- ARENA Functions
- Inner joins, outer joins and 'fill'
- if-then-else expressions

[Kbase: Documents > ASQL](#)

[AEF Base eLearning exercises](#)

[ASQL eLearning exercises](#)

#### **D15: AEF Base - ADFL & ACM**

[Kbase: Documents > ACM / ADFL](#)

[Kbase: Documents > AEF](#) in particular the AEF Base User Guide

[ACM Extensions: Add a column to the Trading Manager](#)

#### **Simulator**

[Simulator](#) - The FRONT ARENA Simulator is packaged and distributed by Front University as a tool for training, testing and development.

Page last manually updated 10 Jan 2008

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