

Training in enterprise and solution architecture

Avancier offers a variety of courses, on-line and classroom

For details, go to <http://avancier.website>

Combined FOUNDATION and PRACTITIONER in Enterprise and Solution Architecture

Classroom course runs over 5 days.

Where possible, BCS exams are sat within the course (ask for latest advice on this)

Course to FOUNDATION certificate in Architecture Concepts and Domains

On-line course runs over 3 days.

Candidates schedule their on-line exam afterwards

Course to PRACTITIONER certificate in Enterprise and Solution Architecture

On-line course runs over 3 days.

Candidates schedule their on-line exam afterwards

Foundation level objectives

DEVELOP AN UNDERSTANDING OF:

The meaning of architecture and the different levels within it.

The various subdomains of enterprise architecture and their purpose.

The key activities undertaken in each subdomain and the related artefacts.

PLUS

Having developed and run the former BCS Certificates in Enterprise and Solution Architecture, Avancier is uniquely placed to add value to the new, lighter, Foundation level certificate, and integrate it with practical case study work

Foundation topics and weightings

Syllabus Area	Syllabus Weighting
1. Fundamentals of Architecture	25
2. Business Architecture	10
3. Applications Architecture	10
4. Data Architecture	10
5. Infrastructure Architecture	10
6. Software Architecture	10
7. Security Architecture	10
8. Solutions Architecture	15

Foundation Syllabus covered in Day 1

1. Fundamentals of architecture

- 1.1 Identify the meaning and levels of architecture.
- 1.2 Identify the subdomains of enterprise architecture and interactions between them.
- 1.3 Explain the purpose and role of standards and frameworks in architecture.
- 1.4 Identify relevant frameworks and professional standards which apply to architecture.
- 1.5 Explain the meaning and objectives of governance, risk, and compliance.
- 1.6 Describe an architect's contribution to a business case.
- 1.7 Explain the purpose and methods of performing gap analysis.
- 1.8 Describe a range of drivers for architecture.
- 1.9 Describe the purpose and use of an architecture description.

2. Business Architecture

- 2.1 Identify the meaning and objectives of business architecture.
- 2.2 Describe the key artefacts commonly used in business architecture.
- 2.3 Describe the key activities undertaken by a business architect.
- 2.4 Describe the structure and behaviour of a business system.

Foundation Syllabus covered in Day 2

3. Applications Architecture

- 3.1 Identify the meaning and objectives of applications architecture.
- 3.2 Describe the key artefacts commonly used in applications architecture.
- 3.3 Describe the key activities undertaken by an applications architect.
- 3.4 Describe the use and behaviour of applications in a business.
- 3.5 Explain the purpose and use of cross-reference grids.
- 3.6 Identify different kinds of application.

4. Data Architecture

- 4.1 Define the meaning and objectives of data architecture.
- 4.2 Describe key artefacts commonly used in data architecture.
- 4.3 Describe key activities undertaken by a data architect.
- 4.4 Explain the differences between data and information and how they are used.
- 4.5 Describe the data structures used by a business and/or its applications.

5. Infrastructure Architecture

- 5.1 Identify the meaning and objectives of infrastructure architecture.
- 5.2 Describe key artefacts in infrastructure architecture.
- 5.3 Describe the key activities undertaken in infrastructure architecture.

Foundation Syllabus covered in Day 3

6. Software Architecture

- 6.1 Identify the meaning and objectives of software architecture.
- 6.2 Describe the key artefacts commonly used in software architecture.
- 6.3 Describe the key activities undertaken by a software architect.
- 6.4 Describe system modelling techniques.
- 6.5 Describe the role of APIs in software architecture.

7. Security Architecture

- 7.1 Identify the meaning and objectives of security architecture.
- 7.2 Describe the key artefacts commonly used in security architecture.
- 7.3 Describe the key activities undertaken by a security architect.
- 7.4 Identify legislation and professional standards relevant to security architecture.
- 7.5 Identify the key concepts in data architecture security.
- 7.6 Identify the key concepts applications architecture security.
- 7.7 Identify the key concepts and activities in infrastructure architecture security.

8. Solution Architecture

- 8.1 Identify the meaning and objectives of solution architecture.
- 8.2 Describe the key artefacts commonly used in solution architecture.
- 8.3 Describe the key activities undertaken by a solution architect.
- 8.4 Describe different types of solution requirements.
- 8.5 Explain the purpose and stages of the solution architecture lifecycle.
- 8.6 Identify stakeholder categories in solution architecture.

Combined F & P course: Day 4

- Other topics of importance to enterprise and solution architects
 - Design for Non-Functional Qualities
 - The Open Group Architecture Framework (TOGAF)
 - Other topics if time allows
- Foundation certificate examination
 - Revision
 - Mock exam
 - Real exam (ask us for the latest advice on this)

Combined F & P course: Day 5

- More topics of importance to enterprise and solution architects
 - Migration planning – applied to the case study
 - Agile software development
 - Governance
- Practitioner certificate examination
 - Mock exam
 - Real exam (paper-based and sat in the classroom)