

# software tester

## Professionals

Information and communications technology professionals

Software and applications developers and analysts

Software and applications developers and analysts not elsewhere classified

software tester

## Description

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### Code

2519.6

### Description

Software testers perform software tests. They may also plan and design them. They may also debug and repair software although this mainly corresponds to designers and developers. They ensure that applications function properly before delivering them to internal and external clients.

Scope note

Excludes people performing managerial activities.

### Alternative Labels

application software tester

application tester

module tester

soft tester

software application tester

software testers

software testing specialist

tester

unit tester

### Regulatory Aspect

To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the Regulated Professions Database of the Commission.

Regulated Professions Database:

[http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition\\_en](http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_en)

Narrower ISCO groups

- [ICT system tester](#)

- [digital games tester](#)

- [ICT usability tester](#)
- [ICT accessibility tester](#)
- [ICT integration tester](#)

## Skills & Competences

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### Essential Skills and Competences

[address problems critically](#) [execute software tests](#) [perform software unit testing](#) [provide software testing documentation](#) [replicate customer software issues](#) [report test findings](#)

### Essential Knowledge

[levels of software testing](#) [software anomalies](#) [software architecture models](#) [software metrics](#)

### Optional Skills and Competences

[conduct ICT code review](#) [debug software](#) [develop ICT test suite](#) [develop automated software tests](#) [execute integration testing](#) [manage schedule of tasks](#) [measure software usability](#) [perform software recovery testing](#) [plan software testing](#) [use scripting programming](#)

### Optional Knowledge

[ABAP](#) [AJAX](#) [APL](#) [ASP.NET](#) [Agile project management](#) [Assembly \(computer programming\)](#) [C#](#) [C++](#) [COBOL](#) [CoffeeScript](#) [Common Lisp](#) [Erlang](#) [Groovy](#) [Haskell](#) [ICT debugging tools](#) [ICT performance analysis methods](#) [ICT project management methodologies](#) [Java \(computer programming\)](#) [JavaScript](#) [LDAP](#) [LINQ](#) [Lean project management](#) [Lisp](#) [MATLAB](#) [MDX](#) [ML \(computer programming\)](#) [Microsoft Visual C++](#) [N1QL](#) [Objective-C](#) [OpenEdge Advanced Business Language](#) [PHP](#) [Pascal \(computer programming\)](#) [Perl](#) [Process-based management](#) [Prolog \(computer programming\)](#) [Python \(computer programming\)](#) [R](#) [Ruby \(computer programming\)](#) [SAP R3](#) [SAS language](#) [SPARQL](#) [Scala](#) [Scratch \(computer programming\)](#) [Smalltalk \(computer programming\)](#) [Swift \(computer programming\)](#) [TypeScript](#) [VBScript](#) [Visual Studio .NET](#) [XQuery](#) [application usability](#) [audit techniques](#) [computer programming](#) [hardware components](#) [query languages](#) [resource description framework query language](#) [software components libraries](#) [tools for ICT test automation](#) [unstructured data](#)

## Concept URI

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### Concept Uri

<http://data.europa.eu/esco/occupation/106f79e4-6264-45f1-9e7a-297435cd684b>

### Status

released

## Change log

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From v1.0.8 to v1.1.0: