The published version of SWEBOK V3 has the following 15 [**knowledge areas**](http://en.wikipedia.org/wiki/Knowledge_area) (KAs) within the field of [software engineering](http://en.wikipedia.org/wiki/Software_engineering):

|  |  |  |
| --- | --- | --- |
| **KAs** | **SWEBOK V3(2014)** | **SWEBOK V2(2004)** |
| 1 | [Software requirements](http://en.wikipedia.org/wiki/Software_requirements) | [Software requirements](http://en.wikipedia.org/wiki/Software_requirements) |
| 2 | [Software design](http://en.wikipedia.org/wiki/Software_design) | [Software design](http://en.wikipedia.org/wiki/Software_design) |
| 3 | [Software construction](http://en.wikipedia.org/wiki/Software_construction) | [Software construction](http://en.wikipedia.org/wiki/Software_construction) |
| 4 | [Software testing](http://en.wikipedia.org/wiki/Software_testing) | [Software testing](http://en.wikipedia.org/wiki/Software_testing) |
| 5 | [Software maintenance](http://en.wikipedia.org/wiki/Software_maintenance) | [Software maintenance](http://en.wikipedia.org/wiki/Software_maintenance) |
| 6 | [Software configuration management](http://en.wikipedia.org/wiki/Software_configuration_management) | [Software configuration management](http://en.wikipedia.org/wiki/Software_configuration_management) |
| 7 | Software engineering management ([Engineering management](http://en.wikipedia.org/wiki/Engineering_management)) | Software engineering management ([Engineering management](http://en.wikipedia.org/wiki/Engineering_management)) |
| 8 | [Software engineering process](http://en.wikipedia.org/wiki/Software_engineering_process) | [Software engineering process](http://en.wikipedia.org/wiki/Software_engineering_process) |
| 9 | [Software engineeringmodels and methods](http://en.wikipedia.org/w/index.php?title=Software_engineering_models_and_methods&action=edit&redlink=1) | [Software engineering tools and methods](http://en.wikipedia.org/w/index.php?title=Software_engineering_tools_and_methods&action=edit&redlink=1) |
| 10 | [Software quality](http://en.wikipedia.org/wiki/Software_quality) | [Software quality](http://en.wikipedia.org/wiki/Software_quality) |
| 11 | Software engineering professional practice ( [professionalism](http://en.wikipedia.org/wiki/Software_engineering_professionalism)) （软件工程职业实践知识领域） |  |
| 12 | Software engineering economics（软件工程经济学） |  |
| 13 | Computing foundations (基础知识领域) |  |
| 14 | Mathematical foundations (基础知识领域) |  |
| 15 | Engineering foundations (基础知识领域) |  |
|  | It also recognized, but did not define, these related disciplines:   * [Computer engineering](http://en.wikipedia.org/wiki/Computer_engineering) * [Systems engineering](http://en.wikipedia.org/wiki/Systems_engineering) * [Project management](http://en.wikipedia.org/wiki/Project_management) * [Quality management](http://en.wikipedia.org/wiki/Quality_management) * General [management](http://en.wikipedia.org/wiki/Management) * [Computer science](http://en.wikipedia.org/wiki/Computer_science) * [Mathematics](http://en.wikipedia.org/wiki/Mathematics) | It also defines disciplines related to software engineering:   * [Computer engineering](http://en.wikipedia.org/wiki/Computer_engineering) * [Computer science](http://en.wikipedia.org/wiki/Computer_science) * [Management](http://en.wikipedia.org/wiki/Management) * [Mathematics](http://en.wikipedia.org/wiki/Mathematics) * [Quality management](http://en.wikipedia.org/wiki/Quality_management) * Software ergonomics ([Cognitive ergonomics](http://en.wikipedia.org/wiki/Cognitive_ergonomics))（软件功效学） * [Systems engineering](http://en.wikipedia.org/wiki/Systems_engineering) |