**Template for covering admission requirements for Computer Science**

Is your bachelor programme on the List of Danish bachelor programmes that meet the programme-specific admission requirements to Computer Science?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Yes: |   |  | No: |   |

Use this form to document how the admission requirements have been covered through your bachelor courses, if your bachelor programme is not on the list of bachelor programmes which meets the programme-specific admission requirements.

This template should be uploaded together with the rest of your application for M.Sc. in Computer Science at the IT-University.

|  |  |
| --- | --- |
| Applicant |  |
| Name |  |
| Date of birth |  |
| Name of bachelor programme |  |

**How is the required knowledge covered?**

|  |  |
| --- | --- |
| **Topics to be covered**  | **Bachelor programme** |
| Topics covered in course | Where/how was it covered? | ECTS |
| Propositional and predicate logic |  |  |
| Basic counting and probability theory |  |  |
| Sets and functions |  |  |
| Automata, grammars, and regular expressions |  |  |
| Algorithmic problem solving techniques |  |  |
| Sorting and shortest path algorithms |  |  |
| Trees and graphs |  |  |
| Hashing |  |  |
| Big-O notation and complexity analysis |  |  |
| Programming language parsing techniques |  |  |
| Types |  |  |
| Object-oriented programming, including inner classes and generics |  |  |
| A first exposure to threads and lock |  |  |
| Basic functional programming |  |  |
| Introductory Principles of Software Engineering and Software Architecture |  |  |

We only consider courses for which you have earned ECTS credits/other credits.

**Documentation:**You must enclose documentation of the following:

* Course descriptions or short description of project (max ½ page), including the number of credits awarded.
* Conversion to ECTS (if the course is not in ECTS).

You must enclose documentation with this template in one pdf (size limit 10mb). If there no longer exists a course description in English or one of the Nordic languages, you must shortly explain what the course covered (max ½ page). **You do not need to send us ITU-Diplomas or course descriptions for ITU-courses.**

**We will only handle your application if all documentation is attached.**