Note: 1. Modules in red are compulsory. 2. Modules in grey belong to two areas, but shall only be counted as one of the two areas.
Composition

- Linear algebra
- Probability theory
- Calculus
- Discrete mathematics
- Program design
- Program design practice
- Introduction to Computer science practice
- Information structure
- Information structure practice
- MATLAB
- Program design
- Assembly language
- Network program design
- Introduction to competitive programming techniques
- Python
- Program language

Applied assembling

- Artificial intelligence
- Advanced database design
- Compiler
- Database system program design
- Object-oriented program design
- Computer network
- Operating system
- Artificial intelligence
- Advanced database design
- Compiler
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- Object-oriented program design
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[Diagram of module map]