Specialization A
Core courses example 1
- Quantum Physics I
- Introduction to Quantum science and technology
- Introduction to Quantum Information Processing
- Introduction to Quantum Computation

Specialization A
Core courses example 2
- Introduction to Quantum science and technology
- Solid State Systems for Quantum Information
- Semiconductors devices I
- Introduction to Quantum Computation
Quantum Science and Engineering

Specialization A
Options Example 1

- Information Theory and Coding
- Advanced algorithms
- Optimization for machine learning
- Quantum Information Theory
- Computational Quantum Physics
- Quantum optics and quantum information
- Computational Methods in Molecular Quantum Mechanics

Specialization A
Options Example 2

- Information Theory and Coding
- Cryptography and security
- Machine learning
- Quantum Information Theory
- Computational Quantum Physics
- Quantum Electrodynamics and Quantum Optics
- Molecular quantum dynamics