- Controlled operations on qubits

- Two-qubit gates

- Controlled Pauli Gates

- Controlled Hadamard gate

- Controlled rotation gates

- Controlled phase rotation

- Controlled u3u3 rotation

- SWAP gate

- Three-qubit gates

- Toffoli gate (ccxccx gate)

- Controlled swap gate (Fredkin Gate)

- Non-unitary operations

- Measurements

- Reset

- Conditional operations

- Arbitrary initialization

- Further details