

# **Quantum Computing and Cryptography - 14: Single-Qubit Gates and Operations**

MICROMODULE

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### **Apply and Analyze**

Students will be able to calculate the effect of given sequential quantum circuit on a qubit.

### **Evaluate and Synthesize**

Students will be able to build sequential quantum circuits for single qubits.

### **Apply and Analyze**

Students will be able to apply common single-qubit operations (gates).