

Early Access Summer School 2024

Week 1 Schedule

JUNE 17
Monday

9:00 AM EDT

Early Access Summer
School Welcome & Kickoff

11:00 AM EDT

Introduction to Qiskit
Speaker: Abby Mitchell

1:00 PM EDT

Introduction Qiskit Runtime
Primitives V2
Speaker: Chris Wood

3:00 PM EDT

Live Q&A Session with Abby
Mitchell, Chris Wood and
John Watrous

JUNE 18
Tuesday

11:00 AM EDT

Quantum Circuit
Compilation with Qiskit
Speaker: Matthew Treniesh

1:00 PM EDT

Live Q&A Session with
Matthew Treniesh

3:00 PM EDT

Lab 1: Transpilation: Generating
Efficient Hardware-Compliant
Quantum Circuits
Sebastian Brandhofer

JUNE 19
Wednesday

11:00 AM EDT

Hardware Noise: Modeling
and Characterization
Speaker: Haimeng Zhang

1:00 PM EDT

Live Q&A Session with
Haimeng Zhang

3:00 PM EDT

Lab 2: Hardware Noise
Samantha Barron

JUNE 20
Thursday

11:00 AM EDT

Execution on Noisy
Quantum Hardware:
Fighting Errors Before Fault
Tolerance
Speaker: Pedro Rivera

1:00 PM EDT

Live Q&A Session with
Pedro Rivera

3:00 PM EDT

Lab 3: Execution on Noisy
Quantum Hardware via
Qiskit Runtime
Pedro Rivera

JUNE 21
Friday

1:00 PM EDT

Live Q&A Session with Lab
Creators



Early Access Summer School 2024

Week 2 Schedule

JUNE 24 Monday	JUNE 25 Tuesday	JUNE 26 Wednesday	JUNE 27 Thursday	JUNE 28 Friday
<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
<div><div>11:00 AM EDT</div><div>Mapping Problems to Qubits <i>Speaker: Kevin Sung</i></div></div>	<div><div>11:00 AM EDT</div><div>Quantum Combinatorial Optimization <i>Speaker: Daniel Egger</i></div></div>	<div><div>11:00 AM EDT</div><div>Hamiltonian Dynamics: Applications and Simulation <i>Speaker: Mario Motta</i></div></div>	<div><div>11:00 AM EDT</div><div>Quantum Machine Learning <i>Speaker: Meltem Tolunay</i></div></div>	<div><div>11:00 AM EDT</div><div>Closing Talk: how to Be a Mentor <i>Speakers: Brian Ingmanson & Team</i></div></div>
<div><div>1:00 PM EDT</div><div>Live Q&A Session with Kevin Sung and John Watrous</div></div>	<div><div>1:00 PM EDT</div><div>Live Q&A Session with Daniel Egger</div></div>	<div><div>1:00 PM EDT</div><div>Live Q&A Session with Mario Motta</div></div>	<div><div>1:00 PM EDT</div><div>Live Q&A Session with Meltem Tolunay</div></div>	
		<div><div>3:00 PM EDT</div><div>Lab 4: Simulating Nature at Utility Scale Kaelyn Ferris</div></div>		



Qiskit Global Summer School 2024

Week 1 Schedule

JULY 15 Monday	JULY 16 Tuesday	JULY 17 Wednesday	JULY 18 Thursday	JULY 19 Friday
9:00 AM EDT Global Summer School Welcome & Kickoff				
11:00 AM EDT Introduction to Qiskit <i>Speaker: Abby Mitchell</i>	11:00 AM EDT Quantum Circuit Compilation with Qiskit <i>Speaker: Matthew Treniesh</i>	11:00 AM EDT Hardware Noise: Modeling and Characterization <i>Speaker: Haimeng Zhang</i>	11:00 AM EDT Execution on Noisy Quantum Hardware: Fighting Errors Before Fault Tolerance <i>Speaker: Pedro Rivera</i>	11:00 AM EDT Circuit Cutting with Antonio Córcoles
1:00 PM EDT Introduction Qiskit Runtime Primitives V2 <i>Speaker: Chris Wood</i>	1:00 PM EDT Live Q&A Session with Matthew Treniesh	1:00 PM EDT Live Q&A Session with Haimeng Zhang	1:00 PM EDT Live Q&A Session with Pedro Rivera	1:00 PM EDT Live Q&A Session with Antonio Córcoles
3:00 PM EDT Live Q&A Session with Abby Mitchell and Chris Wood	3:00 PM EDT Lab 1: Transpilation: Generating Efficient Hardware-Compliant Quantum Circuits Sebastian Brandhofer	3:00 PM EDT Lab 2: Hardware Noise Samantha Barron	3:00 PM EDT Lab 3: Execution on Noisy Quantum Hardware via Qiskit Runtime Pedro Rivera	



Qiskit Global Summer School 2024

Week 2 Schedule

JULY 22
Monday



11:00 AM EDT

Mapping Problems to Qubits
Speaker: Kevin Sung

1:00 PM EDT

Live Q&A Session with
Kevin Sung

JULY 23
Tuesday



11:00 AM EDT

Quantum Combinatorial
Optimization
Speaker: Daniel Egger

1:00 PM EDT

Live Q&A Session with
Daniel Egger

JULY 24
Wednesday



11:00 AM EDT

Hamiltonian Dynamics:
Applications and Simulation
Speaker: Mario Motta

1:00 PM EDT

Live Q&A Session with
Mario Motta

3:00 PM EDT

Lab 4: Simulating Nature at
Utility Scale
Kaelyn Ferris

JULY 25
Thursday



11:00 AM EDT

Quantum Machine Learning
Speaker: Meltem Tolunay

1:00 PM EDT

Live Q&A Session with
Meltem Tolunay

JULY 26
Friday



11:00 AM EDT

Closing Ceremony/ Panel
Speakers: Various

