



UNIVERSITY OF
WATERLOO

| **IQC**

Institute for
Quantum
Computing

Training the Quantum Workforce

NORBERT LÜTKENHAUS
EXECUTIVE DIRECTOR



INSTITUTE FOR QUANTUM COMPUTING

- Internationally recognized as a top quantum institute worldwide for over 20 years
- Ca 400 research member community including theorists, experimentalists, students, postdoctoral fellows and technical staff
- State-of-the-art technology, laboratory, clean room and fabrication facilities
- 1,000+ research collaborations globally
- 45% of faculty commercializing their expertise

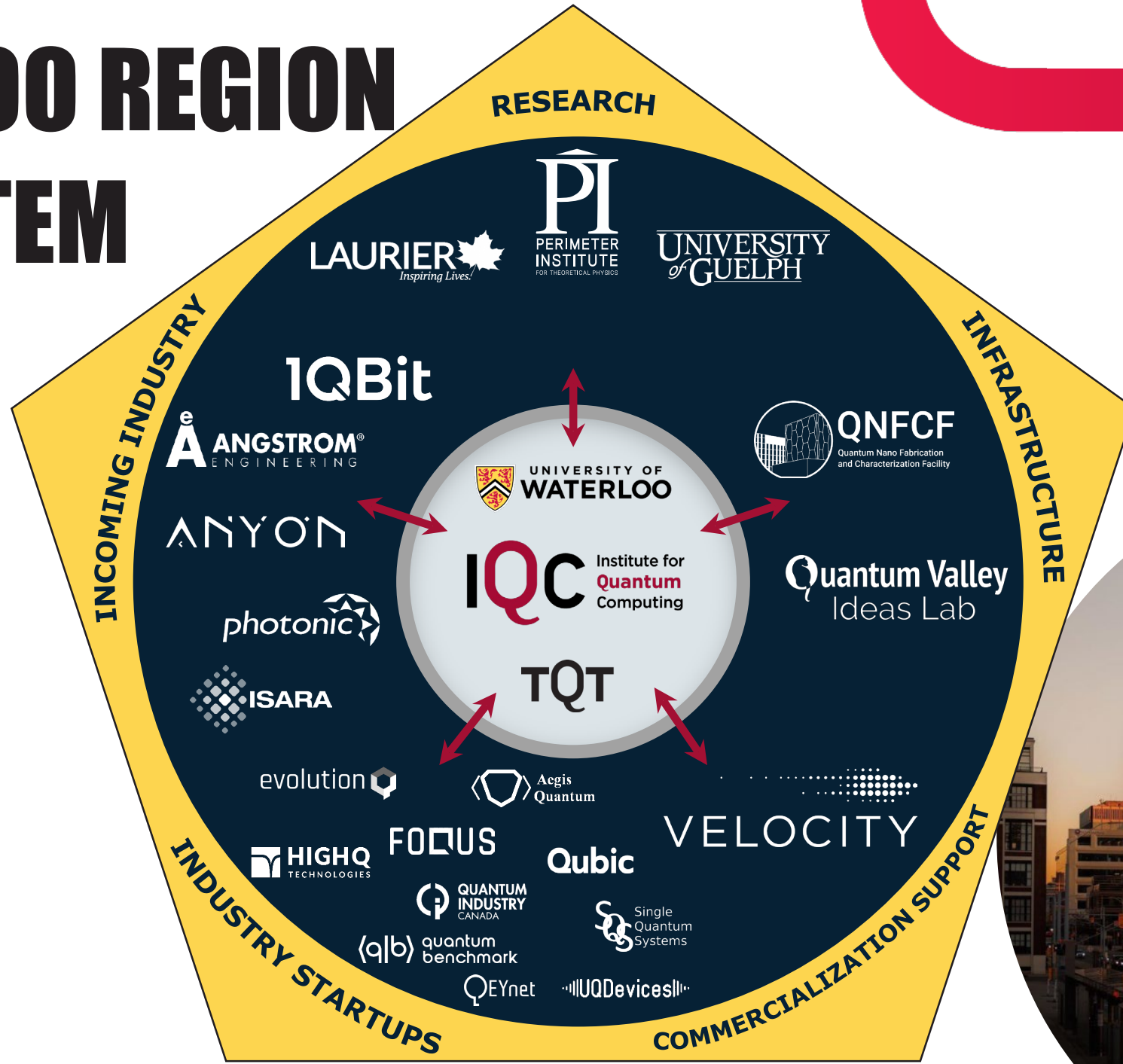


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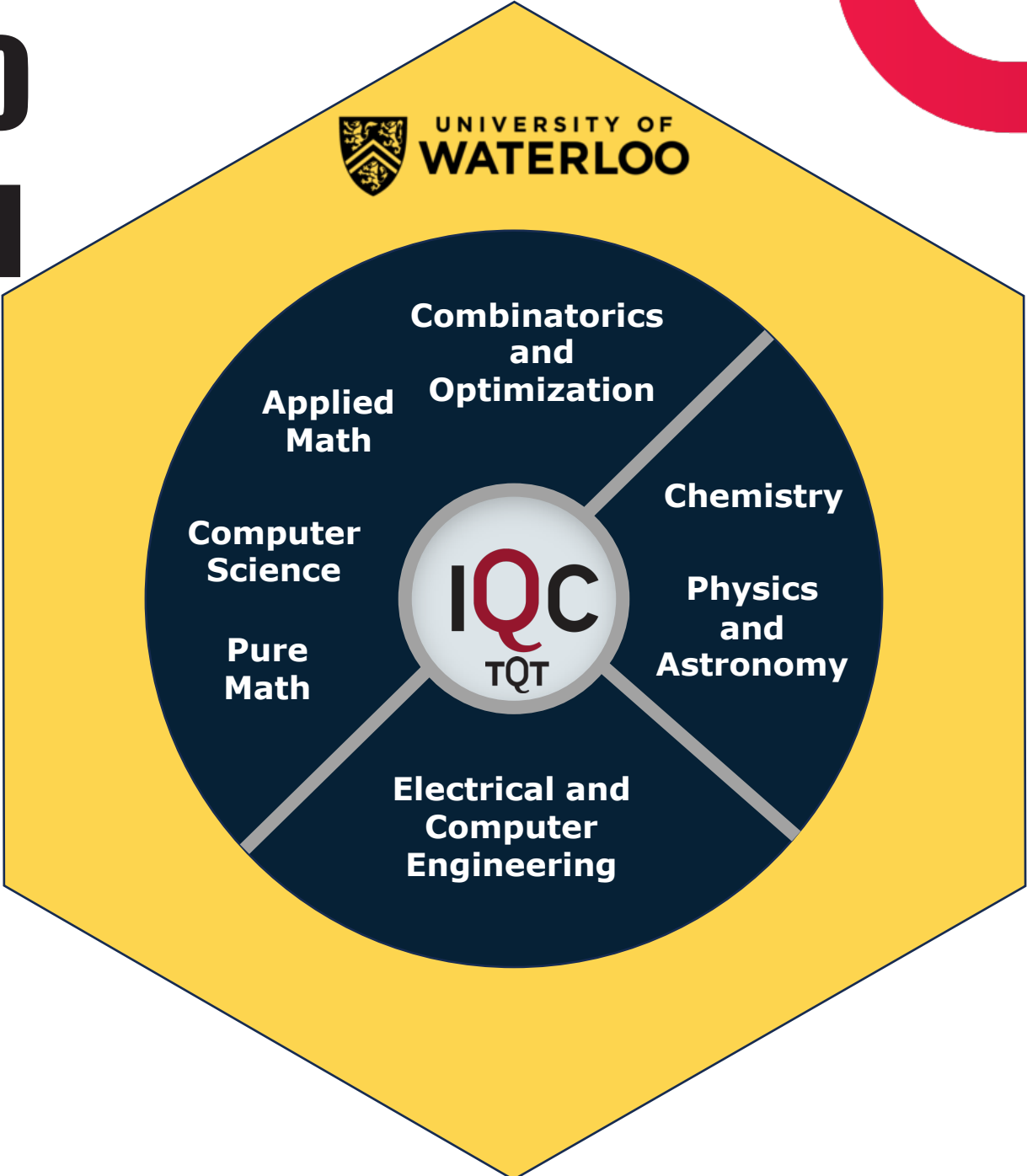


Institute for
Quantum
Computing

WATERLOO REGION ECOSYSTEM



UWATERLOO ECOSYSTEM



STRATEGIC PILLARS

RESEARCH



TRAINING



INFRASTRUCTURE &
STRATEGIC
RELATIONSHIPS



3000+

PROFESSIONALS TRAINED
FOR THE QUANTUM
WORKFORCE

200+

GRADUATE STUDENTS
ENROLLED

30

DISTINCT COURSES IN
QUANTUM INFORMATION
OFFERED SINCE FALL 2019

7300+

HOURS OF
NANOFABRICATION
TRAINING AND SUPPORT
SINCE 2015

5

ANNUAL QUANTUM
TRAINING AND
OUTREACH WORKSHOPS

TRAINING THE FUTURE QUANTUM WORKFORCE

HIGH SCHOOL

UNDERGRADUATE

GRADUATE STUDIES



Quantum School
for Young Students



Quantum for
Educators



Undergraduate School
on **Experimental Quantum**
Information Processing

Co-op research
placement at IQC

Undergraduate **quantum
information
specialization**
in physics, math,
computer science



GRAD STUDIES IN
QUANTUM INFORMATION

MSc Physics (Specialization in
Quantum Technology)

Upcoming: MSc Engineering

3 FACULTIES

7 DEPARTMENTS

Master's and PhD

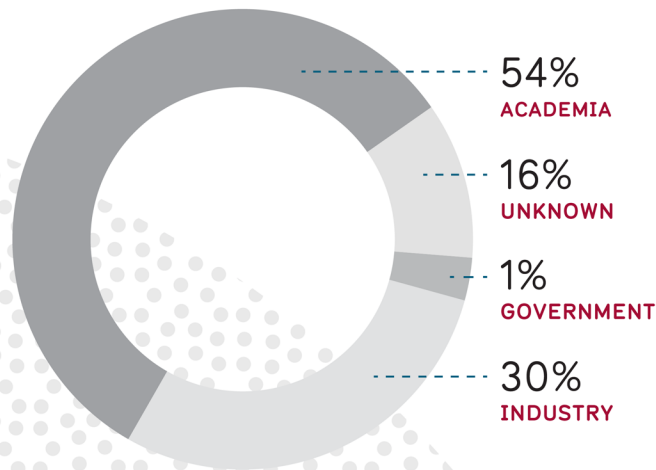
12-month, course-based
program

Focus on preparing
students for industry

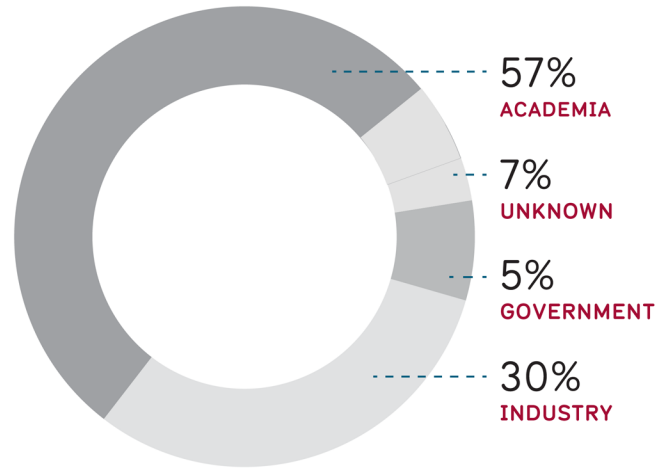
TRAINING THE FUTURE QUANTUM WORKFORCE



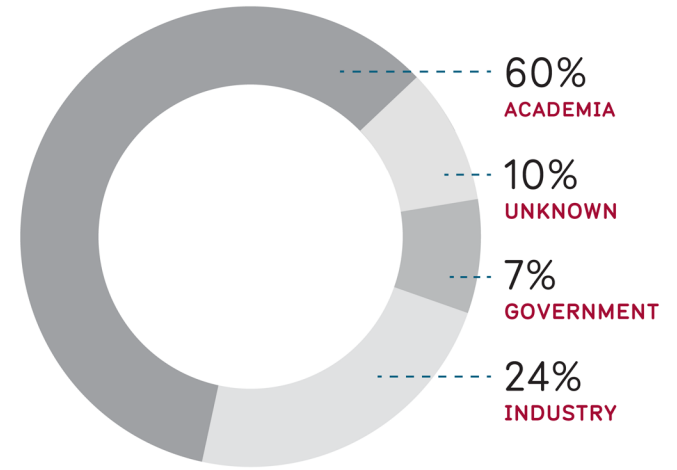
MASTER'S PROGRAM



PHD PROGRAM



PDF PROGRAM





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