QUANTUM COMPUTING (MPQC)

Graduate Degree Program
College: Computer, Mathematical, and Natural Sciences

ABSTRACT

The Masters of Professional Studies in Quantum Computing provides participants with foundational, practical and theoretical topics of quantum computing. Participants will discover current state-of-the-art quantum computing technology and areas of application, while also exploring its origins, evolution, and possible future states of this technology.
Experiential learning is at the core of the program with courses that provide ample opportunity for the participant to apply concepts on current-day commercial quantum computing hardware.Special topics include quantum networks, quantum thermodynamics, quantum machine learning, and quantum computing hardware.

FINANCIAL ASSISTANCE

Please contact the department for more information.

CONTACT

Website:

Courses:

ADMISSIONS

GENERAL REQUIREMENTS

- Statement of Purpose (https://advancedengineering.umd.edu/application-process/)
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/))

PROGRAM-SPECIFIC REQUIREMENTS

- Letter of Recommendation (optional)
- CV/Resume
- Description of Research/Work Experience

APPLICATION DEADLINES

Type of Applicant	Fall Deadline	Spring Deadline
Domestic		
US Citizens and Permanent Residents		
International Applicants		
F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants		

RESOURCES AND LINKS:
Program Website:

Application Process: gradschool.umd.edu/admissions (https://gradschool.umd.edu/admissions/)

REQUIREMENTS

- Quantum Computing, Master of Professional Studies (MPS) (https://academiccatalog.umd.edu/graduate/programs/quantum-computing-mpqc/quantum-computing-mps/)