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
• See department for details

APPLICATION DEADLINES

<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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<tbody>
<tr>
<td>Domestic</td>
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<td>US Citizens and Permanent Residents</td>
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<td>International Applicants</td>
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<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
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RESOURCES AND LINKS:
Program Website: Application Process: gradschool.umd.edu/admissions (https://gradschool.umd.edu/admissions/)