QUANTUM COMPUTING (Z157)

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

ABSTRACT

The Professional Graduate Certificate in Quantum Computing introduces the applicants to quantum computing and an overview of its current state. Participants explore machine learning and identify areas where quantum computing can impact this discipline. We explore applications of quantum computing to optimization, chemistry, encryption, information theory and communications. Participants will have the opportunity to apply learning through hands-on exercises and experiential learning. No prior knowledge in quantum physics or quantum computing is necessary.

FINANCIAL ASSISTANCE

See: https://oes.umd.edu/professionals-post-baccalaureates/professional-graduate-programs/data-science-analytics/tuition-fees for information about fees, payment plans, and financial aid.

CONTACT

Science Academy
College of Computer, Mathematical, and Natural Sciences
3400 A.V. Williams
8223 Paint Branch Drive
University of Maryland
College Park, MD 20742
Telephone: 301.405.9101
Email: scienceacademy@umd.edu

Website: https://cmns.umd.edu/graduate/science-academy/quantum-computing
Courses: MSQC (https://cmns.umd.edu/graduate/science-academy/quantum-computing/courses/)

ADMISSIONS

GENERAL REQUIREMENTS

• Statement of Purpose
• Transcript(s)
• TOEFL/IELTS/PTE (Select International Graduate Students (https://gradschool.umd.edu/education/z069/))

PROGRAM-SPECIFIC REQUIREMENTS

• Letters of Recommendation (optional, up to 3)
• CV/Resume
• Description of Research/Work Experience

*Visa Eligibility: This program is not eligible for I-20 or DS-2019 issuance by the University of Maryland.

APPLICATION DEADLINES

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<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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<tbody>
<tr>
<td>US Citizens and Permanent Residents</td>
<td>June 14, 2024</td>
<td>N/A</td>
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RESOURCES AND LINKS:

Program Website: scienceacademy.umd.edu (https://scienceacademy.umd.edu/)
Application Process: www.gradschool.umd.edu/admissions (http://www.gradschool.umd.edu/admissions/)

REQUIREMENTS