

Special thanks to our partner:
Bristol-Myers Squibb

ACCELERATED LEARNING ACADEMY (ALA)

3 WEEKENDS OF INTERACTIVE STEM WORKSHOPS FOR 8TH - 11TH GRADERS*

Good at Math & Science?
Minimum Overall Average of 3.0, B, 75?
Considering a Career in the STEM fields?
If so, Apply to ALA Today!

8th & 9th Graders:

Choose from 4 Tracks:

Medical Science
Biomedical Engineering & Technology
Applied Mathematics
Artificial Intelligence & Technology



10th & 11th Graders

Choose from 4 Tracks:

Medical Science
Biomedical Engineering & Technology
Applied Mathematics
Artificial Intelligence & Technology



PROGRAM DATES:

Feb. 23-25, 2024
Mar. 22-24, 2024
Apr. 19-21, 2024

Fridays 6 PM – Sundays 2 PM

PROGRAM DATES:

Feb. 9-11, 2024
Mar. 1-3, 2024
Apr. 5-7, 2024

Fridays 6 PM – Sundays 2 PM

AT PRINCETON UNIVERSITY

ABOUT THE ACCELERATED LEARNING ACADEMY (ALA)

DATES

ALA for 8th – 9th Graders: February 23-25, 2024 March 22-24, 2024 April 19-21, 2024
ALA for 10th – 11th Graders: February 9-11, 2024 March 1-3, 2024 April 5-7, 2024

LOCATION

Princeton University & A Hotel in Princeton

ACADEMY GOAL

The ALA prepares high-achieving 8th - 11th graders for professional careers in Medical Science, Biomedical Engineering & Technology, Artificial Intelligence & Technology and Applied Mathematics. Students will explore new STEM content with interactive group activities, discussions, and real-world applications taught by experienced scientists.

ELIGIBILITY & HOW TO APPLY:

Currently in 8th, 9th, 10th, or 11th grade
Minimum overall GPA: 3.0, B, 75
Minimum overall average for STEM courses: B

Apply at www.duboissscholars.org by submitting:

- Online Application
- 2 Recommendation Letters
- Latest Transcript
- Virtual Interview
- 300 Word Essay: What is your interest in the program? Describe your education & career goals?

A laptop is required for participation in the following tracks:
Biomedical Engineering & Technology
Artificial Intelligence & Technology

COST & DEADLINES

The cost of the program, which covers room/board & tuition, is \$2,600. Apply by the early application deadline, by submitting your application and supplementary materials, to receive the premium \$1,200 rate. Apply by the regular application deadline to receive the standard \$1,500 rate.

| | Early Application Deadline & Rate Eligibility | Regular Application Deadline & Rate Eligibility |
|--|---|---|
| 8 th – 9 th Gd. Applicants | DEC. 18 th \$1,200 Premium Rate | JAN. 18 th \$1,500 Standard Rate |
| 10 th – 11 th Gd. Applicants | DEC. 13 th \$1,200 Premium Rate | JAN. 4 th \$1,500 Standard Rate |

WEEKEND THEMES*

| TRACK | ALA for 8 th – 9 th Graders | | | ALA for 10 th – 11 th Graders | | |
|--------------------------------------|---|---|---|---|---|---|
| | FEBRUARY 23-25 | MARCH 22-24 | APRIL 19-21 | FEBRUARY 9-11 | MARCH 1-3 | APRIL 5-7 |
| Applied Mathematics | How Math Explains the World | The Role of Change of Functions | In the World of Logarithms & Exponentials | Optimization for Math & Engineering | Physics & Chemistry of Color | Fundamentals of Material Science |
| Artificial Intelligence & Technology | Intro to AI & Python Programming | Intro to Machine Learning for Computer Vision | Intro to Explainable Artificial Intelligence | Applications to Python | Introduction to Data Analysis | Introduction to Natural Language Processing |
| Biomedical Engineering & Technology | Fundamentals of Biomedical Engineering | Biomedical Engineering Innovations | Biomedical Imaging & Biomimicry | Electricity & the Brain's Neurological Network | The Structure of the Ear & Physics of Sound Waves | Muscle Movement & Tissue Engineering |
| Medical Science | Scientific Inquiry & Biological Themes | Cells: The Fundamental Unit of Life | Applications of Biology to Human Health & Disease | Mendelian & non-Mendelian Inheritance | Extracellular & Epigenetic Inheritance | Mutations, DNA Repair, & Cancer Genetics |

*Themes are subject to change.

Visit www.duboissscholars.org to Apply!

* All weekend workshops will occur on the campus of Princeton University. Student overnight stay will occur off-campus at a hotel.

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Phone: 609.955.0666 Email: admissions@duboissscholars.org
Application: www.duboissscholars.org

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