



**W.E.B. DuBois
Scholars Institute**
At Princeton University

ACCELERATED LEARNING ACADEMY (ALA)

3 WEEKENDS OF ONLINE INTERACTIVE WORKSHOPS
FOR STEM FIELDS FOR 10TH AND 11TH GRADERS*

Choose from 4 Tracks

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

January 7th -9th

February 25th -27th

April 22nd- 24th

Fridays: 6 PM - 9 PM EST
Saturdays: 9 AM - 3 PM EST
Sundays: 10 AM - 1 PM EST

Good at math and science?

GPA of 3.0 or better?

Want a STEM major in college?

Want a career in the STEM fields?

If so, apply to ALA and:

learn from other youth and top scientists
to explore career options

take STEM workshops online

strengthen your college
application

**Applications will be reviewed on a rolling basis to select
25 students for each track, so apply as early as possible!**

See what our
Scholars say!



[http://duboisscholars.org/programs/
accelerated-learning-academy.html](http://duboisscholars.org/programs/accelerated-learning-academy.html)

ONLINE INSTRUCTION

174 Nassau Street, Suite 360, Princeton, NJ08542

Phone: 609.955.0666 Email: admissions@duboisscholars.org

Application: www.duboisscholars.org

*In previous years, the ALA program occurred in-person at Princeton University and included residential stay at a hotel; however, due to stipulations created by COVID-19, the 2022 ALA program is planned to occur online, via a web conferencing platform.

ABOUT THE ACCELERATED LEARNING ACADEMY (ALA)

DATES

JAN 7-9, 2022

FEB 25-27, 2022

APR 22-24, 2022

ONLINE INSTRUCTION

Will occur via a web conferencing platform

ACADEMY GOAL

The ALA prepares high-achieving 10th and 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

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

REQUIREMENTS

Applications must be received no later than December 10, 2021 online at duboisscholars.org including (a) 300 word essay of your interest in the program and a description of your education and career goals, (b) 2 Letters of Recommendation, (c) Transcript & (d) Virtual Interview (e) Computer & Internet Access Required for Program Participation

COST

The fee for the online program, which covers tuition, is \$500. If applicable, families will receive a materials list for personal purchasing of workshop materials (aiming not to exceed \$25 per weekend). Upon submission of receipts, the Institute will reimburse families according to our materials policy.

WEEKEND THEMES*

	Jan 7 th – 9 th	Feb 25 th – 27 th	Apr 22 nd – 24 th
Medical Science	Genetic Engineering & Gene Therapy	Cellular Biology of Cancer & Aging	Medical Biotechnology & Applications
Biomedical Engineering & Technology	Engineering Mechanics & the Human Skeletal Systems	Muscle Movement & Tissue Engineering Using Advanced Manufacturing	The Structure of the Ear and the Physics of Sound Waves
Applied Mathematics	Introduction to Mathematical Modeling	The Tik-Tok Effect: The Mathematics of Viral Advertising	Probability & Economic Models
	Light Waves and Particles in Energy & Color	Statistics & Probability	Projectile Motion & Phase Changes
Artificial Intelligence & Technology	Introduction of Artificial Intelligence	Machines that Predict the Future	Computer Vision

*Themes are subject to change.

Visit www.duboisscholars.org to Apply!

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Bristol-Myers Squibb Company,
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