



W.E.B. DuBois  
Scholars Institute

# ACCELERATED LEARNING ACADEMY (ALA)

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

## Choose from 4 Tracks

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

**Fridays 6pm to  
Sundays 2pm**

December 13th -15th  
February 28th - March 1st  
April 24th - 26th

**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 on the  
campus of Princeton University

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)

## At Princeton University

174 Nassau Street, Suite 360, Princeton, NJ 08542

Phone: 609.955.0666 Email: [admissions@duboisscholars.org](mailto:admissions@duboisscholars.org)

Application: [www.duboisscholars.org](http://www.duboisscholars.org)

\*All weekend workshops will occur on the campus of Princeton University. Student overnight stay will occur off-campus at a hotel. Round trip transportation can be set up for out-of-state participants traveling from Newark International Airport to the hotel.

# ABOUT THE ACCELERATED LEARNING ACADEMY (ALA)

## DATES

DEC 13-15, 2019

FEB 28- MAR 1, 2020

APR 24-26, 2020

## LOCATION

Princeton University & a Hotel in Princeton

## 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 group activities, lectures, hands-on demonstrations 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 November 13, 2019 by mail or online at [duboisscholars.org](http://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 Recommendations, (c) Transcript & (d) Virtual Interview

## SCHOLARSHIPS

The complete cost of the program, which covers room/ board & tuition, is \$2,600. Scholarship assistance is available ranging from \$800 to \$2,200 based on economic need and academic merit.

## WEEKEND THEMES\*

	Dec 13 <sup>th</sup> – 15 <sup>th</sup>	Feb 28 <sup>th</sup> - Mar 1 <sup>st</sup>	Apr 24 <sup>th</sup> – 26 <sup>th</sup>
Medical Science	Proteins	Metabolism & Pharmacology	Clinical & Translational Science
Biomedical Engineering & Technology	Mechanics	Electronics	Materials Science
Applied Mathematics	Mathematical Models in Everyday Life	Mathematical Modeling for Environmental Science	Game of Chance: Mathematical Modeling & Probability
	Chromatography & Separation	Fluid Dynamics	Energy & Thermodynamics
Artificial Intelligence & Technology	Machine Learning & Robotics	The Internet of Things	Computer Vision

\*Themes are subject to change.

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