



2019 UAA SUMMER ENGINEERING ACADEMIES

Sponsored by BP

Academy Information and Schedule

The UAA Summer Engineering Academies offer a series of week-long, hands-on instructional sessions for students entering **grades 3 through 12 in Anchorage, Mat-Su, and Kenai**. Each academy is designed to encourage interest and provide exposure to science, technology, engineering, and mathematics (STEM). The academies also seek to support historically underserved and underrepresented students who have limited opportunities for these experiences. The academies run from 8:00am-3:00pm, Monday-Friday of each week. Detailed descriptions can be found at:

<http://www.uaa.alaska.edu/sea>

Wk.	Dates	Academy	Location	Grade Level	Leader
1	June 3-7	Alternative Energy	UAA	6-8	Dr. Mohammad Heidari Kapourchali
		Water Works	UAA	6-8	Ms. Kaity Mattos
		Advanced Coding	UAA	9-12	Dr. Kenrick Mock
2	June 10-14	Alternative Energy	UAA	6-8	Dr. Mohammad Heidari Kapourchali
		Lego Robotics	UAA	6-8	Ms. Retta Woolfenden
		Shaking Buildings	UAA	8-12	Dr. Scott Hamel
3	June 17-21	Lego for Ladies	UAA	6-8	Ms. Elaine Todd
		Structure Destruction	UAA	5-6	Dr. Scott Hamel
		Creative Coding	UAA	6-8	Dr. Kenrick Mock
4	June 24-28	Lego Robotics Junior	UAA	3-4	Ms. Tammy Hanley
		Structure Destruction	UAA	7-8	Dr. Scott Hamel
		Lego Robotics *KENAI*	KPC	5-8	Ms. Vicki Nechodomu
No camp for week of July 4 th					
5	July 8-12	Wing Aerodynamics	UAA	6-8	Dr. Jifeng Peng
		Lego Robotics Junior	UAA	3-4	Ms. Tammy Hanley
		Tetrix Robotics	UAA	7-8	Mr. Ben McLuckie
6	July 15-19	Wing Aerodynamics	UAA	6-8	Dr. Jifeng Peng
		Lego Robotics Jr. *MATSU*	Mat-Su	3-4	Ms. Retta Woolfenden
		Tetrix Robotics	UAA	9-12	Mr. Ben McLuckie
7	July 22-26	Arduinio Robotics	UAA	9-12	Dr. Scott Hamel
		Lego Robotics	UAA	5-6	Ms. Retta Woolfenden
		Creative Coding	UAA	6-8	Dr. Sebastian Neumayer
8	July 29-Aug 2	Lego Robotics	UAA	7-8	Ms. Tammy Hanley
		Creative Coding	UAA	6-8	Dr. Sebastian Neumayer



UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE



Application Process

A lottery will be conducted to determine enrollment for each week. Lottery numbers will be randomly assigned to each applicant and slots in each session will be filled based on lottery numbers. To receive a lottery number, a parent/guardian or student must complete the attached application form and submit it **no later than 5:00pm on April 25**. Applicants will be informed of their acceptance by May 1. Registration forms will be sent to accepted students and must be returned, along with academy fee by May 15. Applicants not initially selected for a session will be placed on a wait list.

Academy Fee

Each week-long academy session has a fee of \$150 per participant, which only covers about one third of the actual cost. BP's generous sponsorship covers the rest. This fee includes instruction, lunch, and materials. Fee waivers are available for students with financial need.



**UAA SUMMER ENGINEERING ACADEMIES
APPLICATION FORM**

DEADLINE IS APRIL 25

Participant's Full Name: _____

Date of Birth: _____ Age: _____ Gender: _____

Grade Level (As of Sept. 2019): _____

School: _____

Parent's Full Name: _____

Email: _____

Best Daytime Phone: _____

Please rank up to four sessions (#1 being the one you would most like to attend):

Rank	Dates	Grade	Academy
	June 3-7	6-8	Alternative Energy
		6-8	Water Works
		9-12	Advanced Coding
	June 10-14	6-8	Alternative Energy
		6-8	Lego Robotics
		8-12	Shaking Buildings
	June 17-21	6-8	Lego for Ladies
		5-6	Structure Destruction
		6-8	Creative Coding
	June 24-28	3-4	Lego Robotics Junior
		7-8	Structure Destruction
		5-8	Lego Robotics *KENAI*

Rank	Dates	Grade	Academy
	July 8-12	6-8	Wing Aerodynamics
		3-4	Lego Robotics Junior
		7-8	Tetrix Robotics
	July 15-19	6-8	Wing Aerodynamics
		3-4	Lego Robotics Jr. *MATSU*
		9-12	Tetrix Robotics
	July 22-26	9-12	Arduinio Robotics
		5-6	Lego Robotics
		6-8	Creative Coding
	July 29-Aug 2	7-8	Lego Robotics
		6-8	Creative Coding

Are you interested in attending more than one camp if available?

Yes

No



Please answer the following questions (your answers will not affect acceptance):

Ethnicity of participant: _____

Does the participant qualify for FREE or REDUCED Lunch? Yes No

Will you be requesting a waiver of the Academy fee? Yes No

How did you find out about the UAA Summer Engineering Academies? _____

Has the participant attended the UAA Summer Engineering Academies/Camps in the past? (Check all that apply)

- 2018
- 2017
- 2016
- 2015
- 2014
- None... First Time!