



Student at the Forest Bioproducts Research Institute plant.

UMaine Institute for SELF, Connecting young girls to STEM careers through research, mentoring and community service in forest bioproducts

The SELF Institute is a **cost-free** residential program for rural high school students. The three-and-a-half day program will focus on the responsible use of forest ecosystems as a building block for sustainable and renewable energy. Students will explore cutting-edge forest bioproducts research by participating in demonstrations, hands-on projects and field trips. Participants will use the New Balance Student Recreation Center.



Institute activities include:

- Demonstrations of physical principles and properties of wood and wood products
- Visiting University Forest to learn about harvest methods and systems, logging equipment and costs
- Observation and work on chemical and physical processes in the making of transportation fuels (ethanol, jet fuel) from woody biomass and estimate the cost of manufacturing
- Analysis of sustainability attitude and participation in focus group on renewable energy in Maine

UMaine Institute for **SELF** Sustainable Energy Leaders of the Future

Residential institute with
FULL SCHOLARSHIP for
high school girls

June 24 – 27, 2018

To qualify for the institute applicants must:

- Be a high school student, preferably a sophomore
- Have an interest in science and technology
- Submit a report card
- Submit an essay on why she wants to participate in the institute
- Have at least one letter of recommendation

For more information, contact Sheila Pendse, sheila.pendse@umaine.edu

Or visit <https://umaine.edu/gem/self-2018-application/> for an online application.

Applications are due
April 15, 2018