

AMERICAN SENIOR HIGH SCHOOL
ENGINEERING ACADEMY FOR STUDENT EXCELLENCE



ENGINEERING ACADEMY NEWSLETTER

2025-2026 Schedule

**Aug. 9 – Freshmen
Orientation**

Sept. 19 – SAFEE trip

Oct. 3 – FAU Trip

**Oct. 28 –Construction
Career Day**

**Oct. 29 – Construction
Career Day**

**Nov. 15 – Water Bottle
Rocket Seminar**

Jan. 3 – FIRST Kickoff

Jan. 21-23 College Tour

**Feb. 7– SECME
Olympiad**

EASE Students Perfect AGAIN!!



The Engineering Academy of Student Excellence has educated students using the Project Lead the Way pre-engineering curriculum since 2010. These classes include the Introduction of Engineering Design, Principles of Engineering, Digital Electronics, and Engineering Design & Development. Each course requires participants to be assessed an End of Course exam for the course completed. This year once again the students of the Engineering Academy posted a passing rate of 100%. Each student tested has passed the EOC in their course since 2022. It is with great pride that the instructors and partners of the Engineering Academy applaud these students for their adherence to the rigor and effort necessary to complete the objectives of the curriculum. Once again congratulations.

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RTX Future Ready Engineers Internship

Zion Clark participated in the 2025 FRE Internship, a national program led by NAF in partnership with RTX. The experience connected him with students from around the country as they explored real-world engineering challenges, received mentorship from professionals, and developed innovative solutions to modern infrastructure problems. Through collaboration with mentors, RTX engineers, and team leaders he was directed to use the design process in an original research project. He developed AquaPave, a modular, flood resistant, self-healing sidewalk tile system designed to improve safety and sustainability in underserved communities. This internship strengthened his research, communication, and design skills, and gave him a vision of how to use civil engineering to make a difference. Congratulations Zion in representing American Senior High and the Engineering Academy in such a meaningful experience.

NAF Graduates Blaze Paths into College

Miami Dade College Hialeah's campus was the host for the STEM related awards ceremony to recognize graduating seniors who have achieved the level of completers in their NAF program. The Engineering Academy for Student Excellence graduated 29 seniors of whom 24 completed all the requirements in the NAF curriculum. A NAF completer is a student who has finished an 80-hour internship experience, at least two academy courses, and various NAF outreach programs. These students included Osasenaga Agbons, Britney Allison, Destinie Arana, Nia Bain, Khalil Callwood, Kayla Clarke, Delvin Ewing, Calmiya Grace, Sebastian Guzman, Ruth Joseph, Amari Lewis, Jade Lubin, Ian McIntosh, Camila Perez, Diego Plazas, Javier Rey, Yianelis Rivera, Sara Rodriguez, and Aleeciah Taylor. NAF completers have shown an ability to excel with the foundation and network developed in this academy. Congratulations seniors.

