

Heartland Engineering and Aviation Technology Program Description and Student Contract and Application 2024-25

This academy has been designed to provide an in-depth introduction to Aviation and Aerospace technologies, and Engineering practices related to aircraft manufacturing and maintenance. The program will provide unique hands-on learning in a variety of Aviation/ Aerospace technologies which include building and restoring aircraft, flying an actual aircraft, and operating a flight Simulator. The classes are offered in the mornings of an "A" days, periods 1 & 2 at the EAA Chapter 1240 Aviation Development Center located on the flight line at the Sebring Airport. Students will be bused from their home school in the morning and return before lunch. Each class will spend half of the morning in the classroom and the other half in a lab session building an aircraft and other hands-on activities. Students will have the opportunity to fly in an aircraft with an EAA pilot through the Young Eagles program at times other than during the school day if granted permission from a parent or guardian. Some students that have a minimum of a 2.5 GPA and have demonstrated the ability to handle computer design and engineering work will be able to enroll in our Engineering Fusion 360 Program in partnership with Embry Riddle Aeronautical University. Students in the Engineering Fusion 3260 Program will spend two full periods in the engineering lab.

The student and parent or guardian will need to initial the additional pages.

On-line course requirements:

1. Student will conduct themselves with respect to the staff, class members, and other volunteers. ANY misbehavior will be grounds for immediate dismissal from the program. Dismissal determinations will be made by the course instructors, Mr. Rousch and Mr. Halpern. **Quite frankly, if you can't behave yourself, act like a young adult, do the assignments and arrive on time, select another class. There are many others who would like the opportunity to be in this program.**
2. Student needs to have a 2.5 GPA and needs keep up with assignments and attain a passing grade of 75 on all assignments.
3. Be on time for the bus departure at your school for the Sebring Airport.
4. Be on time for all scheduled sessions, be able to work with others, and demonstrate mature behavior while in the program.
5. Follow all safety and program procedures while being in a lab and flight-line environments.
6. Maintain a class assignment binder and log sheet of time spent on assignments and lab activities.
7. Maintain a passing grade in all core academic classes at their assigned school and not have discipline problems.
8. Provide parental or guardian permission to use any photo or video images of their child for program documentation and promotion.

Optional activities:

1. With parent or guardian permission, be able to fly in a general aviation EAA pilot to experience what it is to take the controls of an aircraft through the EAA Young Eagles flight program.

Student Signature: _____

Date: _____

Print full name: _____

Parent Guardian Signature: _____

Date: _____

Print full name: _____

Director Signature: _____

Date: _____

John H. Rousch

Highlands Aviation and Aerospace Academy 2024-25 Student Information (Print Clearly)

Name: _____ Home School: (circle one) LPHS SHS APHS

Year in school: FR SO JR SR Email address: _____

Address: _____

City: _____ Zip: _____

Phone: Home _____ - _____ - _____ Cell: _____ - _____ - _____

Age: _____ Date of Birth: _____

E-mail address (Print clearly): _____

Please answer the following questions:

Which program are you applying for? Select one:

____ Aviation & Aerospace ____ Engineering (10th grade or higher only)

1. What are your career goals and or interests?

2. Why have you decided to apply for this program and what do you want the most to gain from your participation in this program??

3. Are there any special needs or considerations we should know about concerning your participation in this program?

Student signature: _____ Date: _____

Parent/ Guardian signature: _____ Date: _____

School Guidance counselor signature: _____ Date: _____