

# Wright Scholar Research Assistant 2022 STUDENT APPLICATION FORM

Application instructions: Please type your responses, print the form, sign and scan, then submit as a pdf attachment to your e-mail. Be sure size of pdf does not exceed 10 Mb or it may be rejected. Do NOT send a link to a file sharing site (e.g., Google Docs, etc.) since our network cannot access those sites. If you require more space, attach an additional sheet of paper and indicate your name and the question number for which you are responding. No transcript is required.

Application period is 22 Nov 2021 through 10 Jan 2022. Applications sent before or after these dates will not be accepted. To ensure receipt, submit your application during regular business hours (M-F 8am-5pm). **Applications must be received no later than 5:00pm, 10 Jan 2022.**

E-mail to: jeffrey.pearce.2.ctr@us.af.mil (verify correct spelling before submitting)

Confirm receipt: You will receive a confirmation at the e-mail listed on your application (check Spam or Junk mail). If you do not receive confirmation of your submittal within 5 business days, you MUST contact Mr. Jeff Pearce at the email above to verify receipt.

NOTE: If you live out-of-state or a long distance from WPAFB, you must obtain your own housing and transportation if selected. Nearby dorms/apartments are now requiring guests to be a minimum of 18 years of age.

Name:			
E-mail:			
Street Address:			
City:	State:	Zip Code:	Phone:
Date of Birth (Must be 16-years-old by program start):			
City, State, Country of Birth (Must be a U.S. Citizen):			
High School Name:			
High School City/State:			
High School Phone Number:			
College Name(s) if Accepted:			
Planned Program of Study: (Note: This program focuses on STEM career paths.)			
U.S. Citizen:    Yes            No			
(Note: Permanent residents and green card holders are ineligible.)			

In applying for a Wright Scholar position, I have listed the following relative/s working at Wright-Patterson Air Force Base and understand I cannot directly report to any of these relatives.

Family member's name	Relationship	WPAFB Organization
Family member's name	Relationship	WPAFB Organization
Family member's name	Relationship	WPAFB Organization

Student's Signature / Date: \_\_\_\_\_

I certify that I do NOT have any relatives working at Wright-Patterson Air Force Base.

Student's Signature / Date: \_\_\_\_\_

The preceding information will not be available to the selection committee. Your qualifications for becoming a Wright Scholar will be based solely on your application responses and essay. As such, do not reference any personal information (name, address, school, gender, etc) that might identify you as the applicant.

Applicant's Certification and Commitment (please initial all that apply):

\_\_\_\_ I certify all information stated in this application is correct and that I have authored the essay portion of the application myself.

\_\_\_\_ I commit to mandatory attendance during the first week, including first-day orientation, and agree to full-time, 9-week participation during the program.

\_\_\_\_ I commit to abide by the attendance policy of no more than 5 days of absence and understand that excessive and unexcused absence may be grounds for dismissal from the program.

Start Date: 6 June 2022

End Date: 5 Aug 2022

List dates of absences during program (not to exceed 5 days): \_\_\_\_\_

False information will lead to disqualification from the Wright Scholar program.

Student's Signature / Date: \_\_\_\_\_

Parent or Guardian's Signature / Date: \_\_\_\_\_

School Official's Signature / Date: \_\_\_\_\_

School Official's Printed Name, E-mail, Phone # \_\_\_\_\_

(Principal or Assistant, Dean, Counselor, or other authorized school official must certify GPA as well as AP, honors, and college courses completed or currently taking)

# Wright Scholar Research Assistant 2022 STUDENT APPLICATION FORM Selection Committee Use

**Important Note:** The review committee will be using a “blind” review, meaning that all personal info will be removed from the application to prevent biased scoring; therefore, do not list personal info in this section or in your essay that could identify you as the applicant. Do not make references to your particular school, religion, gender, race, or nationality.

Current grade you are in THIS school year:    H.S. Junior                      H.S. Senior                      Applied last year
A. Overall H.S.GPA using the standard cumulative <u>unweighted</u> GPA: (Minimum required GPA is 3.5)
Overall H.S. GPA using the <u>weighted</u> GPA including AP/Honors classes:
Planned Program of Study/Career Path:

Answer the following items (B-F) thoroughly WITH AS MUCH DETAIL AS POSSIBLE. Include ONLY high school experiences. It is important you address ALL questions. Do NOT leave any blank. If you require additional space, attach a separate sheet and indicate your name and the question number to which you are responding.

B. List the five most advanced science and math courses you have taken or are taking in high school and the grade received if completed (AP, Honors, College-level and label as such). Include any engineering tech prep program classes that you are enrolled in at your school.
C. List participation in extra-curricular high school activities such as athletics, band, choir, orchestra, National Honor Society, school newspaper/yearbook, school officer, or any home school extracurriculars.

# **Wright Scholar Research Assistant**

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D. Provide 3 or more detailed examples of demonstrated leadership (team captain/class officer/scouts/running a lawn service/leading fund raiser/tutoring/community service/volunteer work). Explain your duties.

E. Provide detailed examples from high school that showcase your interest or participation in STEM platforms, such as FIRST Lego League, robotics competitions, science fairs, Science Olympiad, Math Olympiad, science/math clubs, 4-H competitions, etc. If your school does not offer these, provide detailed information on other hobbies/activities that demonstrate your interest in STEM, such as working with mechanical or electrical devices, building computers as a hobby, programming/coding skills, volunteering at a medical center, tutoring science/math, etc. Provide specific information that demonstrates your skills and capabilities in your area/s of interest.

F. Describe any paid or volunteer work experience and include your responsibilities. Provide examples of strong work ethic (such as no unexcused absences or reprimands, completes assigned tasks, works well with others, etc). If no formal work experience, provide detailed description of the effort involved in a major school project (include grade awarded, teamwork involved, how you overcame challenges).

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G. Attach a typed essay (not less than one-half page or more than one page, single spaced with paragraphs, Times New Roman 12 point) discussing one or more of the following topics.

Topics (list topic # and title at top of essay):

1. When did you decide you wanted to pursue a career in a STEM field and what experience or class brought you to this decision?
2. What type of scientist, engineer, or medical professional would you like to be and why?
3. Research involves trying new things. Please give an example of when you stepped out of your comfort zone to experience something new in regards to science or engineering.
4. What do you hope to get out of the Wright Scholar experience (be creative)?

Essay scoring criteria:

- Originality - what makes your essay stand out among others?
- Does it have a good introduction and conclusion?
- Does it meet physical limits (one-half to one page, single spaced with paragraphs, Times New Roman 12pt)?
- Does it have good content, insight, and logical thinking?
- Is it well organized, structured, and does it guide the reader?
- Are the sentences, wording, and language clear?
- Does it showcase your creativity?
- Does it have correct spelling, grammar, punctuation, and paragraphs? Please proofread.
- The essay will not contain quotes or rambling discussions irrelevant to content. The essay will not reference any affiliations, schools, or other personal info that might identify you as the applicant.

Traits of a winning essay:

- Originality and creativity
- An interesting introduction
- A well thought-out storyline that combines good construction with active voice, avoids puffy words, and avoids the overuse of "I"
- A creative style of writing that demonstrates forward thinking and/or problem solving
- A conclusion that makes a point without restating prior phrases

# Wright Scholar Research Assistant

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In which types of STEM fields are you interested in working? Choose your first, second, and third choices from the following list. We will do our best to match you with a position of interest pending available mentors in those areas. A link to the **Career Descriptions** list that describes the type of work involved in each field is located near the bottom on the Wright Scholar Research Assistant main web page.

Aerospace engineer:

Behavioral scientist:

Biologist/Microbiologist:

Biomedical engineer:

Chemical engineer:

Chemist/Biochemist:

Computer engineer/scientist:

Electrical engineer:

Materials engineer:

Mechanical engineer:

Physicist/Mathematician: