

SUMMER APPRENTICESHIP PROGRAM (SAP)

KENTUCKY STATE UNIVERSITY

July 7th to 26th, 2019

All application packages must be received or postmarked by May 20th, 2019. Application packages postmarked after the deadline may not be accepted. Incomplete applications will not be considered.

Eligibility Requirements:

1. Rising high school junior or senior
2. Interest in STEM (Science, Technology, Engineering, and Mathematics) and related fields like Agriculture and the Environmental Studies
3. A preferred minimum GPA of 3.0

Applicant Information

First name _____	Middle name _____	Last name _____
Email _____		
Street _____	Apt # _____	
City _____	State _____	ZIP _____
County _____	Phone _____	
Social Networking __ Facebook __ Instagram __ Twitter __ Other _____		
Race/Ethnicity _____		

Personal Information

Gender ___ Female ___ Male	Birthdate ____/____/____
Age (by July 7th , 2019) ____	T-shirt Size _____
Name of the school you currently attend: _____	
Grade level completed by July 7th , 2019 ____10 th ____11 th	
Expected Graduation Date: Month/Year _____	
Roommate requests are honored whenever possible. However, both friends must request each other.	
If possible, I would like to room with: _____	
Potential Roommate's name _____	

Parent/Guardian Information – complete for each parent or guardian

First name _____	Middle name _____	Last name _____	First name _____	Middle name _____	Last name _____
Evening phone _____			Evening phone _____		
Day phone _____			Day phone _____		
Cell phone _____			Cell phone _____		
Email _____			Email _____		



This program is supported by National Science Foundation Historically Black College and Universities-Undergraduate Program (NSF-HBCU-UP) to promote minority students' participation in STEAM-undergraduate degree programs.

Please provide responses to the following prompts.

Please type responses for #1-6 on a separate sheet(s) of paper, and be sure to include your name on each sheet.

1. List the Science, Technology, Engineering, and Mathematics (STEM) related courses you have taken or plan to take.
2. How important do you feel STEM courses are to your future career goals? (200 word limit)
3. Explain your thoughts on the following: **a.)** Agriculture; **b.)** Environment; and **c.)** Geoscience: and the role each plays in achieving food security, a healthy environment, and sustainable resource management. (total 300 words)
4. Explain why you would like to attend KSU's Summer Apprenticeship Program (SAP) and what you hope to learn from this program. (200 word limit)
5. Describe your educational goals and/or career plans upon completion of High School (200 word limit)
6. List the following with which you are involved.
 - a. Extracurricular Activities / Clubs (e.g. volleyball, choir, FFA)
 - b. Hobbies (e.g. stamp collecting, rock climbing)
 - c. Community organizations, memberships, volunteer work you have done in the past (e.g. 4-H, church, YMCA)
7. Please rank your level of interest for Experiential Research in the following topics:
(Rank between 1 and 10, with 10 being the most interested and 1 being least interested)

Agriculture and Environment

- Geographic Information Systems (GIS)
- Coal-Mining and Reclamation Impacts
- Soil Health
- Environmental Monitoring
- Biotechnology
- Mapping Invasive Species
- Ecosystem and Wildlife
- Water Quality and Pollution Detection
- Analyzing Urban Heat Islands and Green Space
- Insect and Pest Management
- Land Cover Change Using Remotely Sensed Data
- Microbial Contaminants in Food Items
- Study of Honeybee Pathogens
- Detect Environmental Contaminants and Waste
- Meteorological (Weather/Climate) Studies

Aquaculture

- Aquatic Ecosystems
- Fish Genetics
- Aquaponics
- Identifying Fish Diseases

Computer Science

- Cyber Security
- Gaming, Entertainment and Simulation
- Computer Graphics and Visualization
- Computer Network/Website Design
- Cyber Forensics
- Artificial Intelligence
- Computer Information Technology
- Urban Planning and Crime Analysis

Natural Sciences

- Molecular Biology
- Forensic Science
- General Biology
- General Chemistry
- General Physics

Teacher Recommendations

Have your current science and math teachers complete this section. A typed recommendation can be attached, but signatures must be also be on this application.

Kentucky State University's **Summer Apprenticeship Program (SAP)** is a competitive scholarship program that offers participants the college preparation, opportunities to explore various forms of STEM education and career opportunities, and research. Students should be recommended if they are motivated and have a desire to engage in experiential learning and research in STEM field and would benefit from this experience.

Comments (to be completed by a **Math or Science teacher** that can attest to your preparedness in the STEM fields)

Teacher Signature _____ Title _____ Date ____ / ____ / ____
Teacher Printed Name, Phone, and Email _____

Comments (to be completed by **any teacher or administrator** that can attest to your work ethic and development as a student)

Teacher Signature _____ Title _____ Date ____ / ____ / ____
Teacher Printed Name, Phone, and Email _____

School Transcript

Enclose your most recent, official, updated transcript of all your course work through the first semester of this year, and have your Guidance Counselor indicate the following:

Cumulative GPA _____

(Note: If your school uses a grading system other than the 4.0 scale, an explanation of the method must accompany the official transcript).

Counselor Name (printed) _____ Signature _____ Date ____ / ____ / ____
Counselor Email: _____

How did you hear about our program?

___ Counselor or Teacher ___ KSU website ___ Email ___ Friend ___ Church ___ Recruiting Event ___ KSU recruitment activity
___ Prior participant (in KSU youth programming): Program(s) _____ Year(s) Attended _____
___ Other sources (please specify) _____

Parent/Guardian Consent

I authorize of my son/daughter to submit this application for the KSU Summer Apprenticeship Program. I understand participants are selected on a competitive basis, so not everyone will be accepted for the program.

Parent Signature _____ Date ____ / ____ / ____

Applicant Signature

Applicant Signature _____ Date ____ / ____ / ____

Submit by email at Jeremy.Sandifer@kysu.edu, or Fax to 502-597-5933,

Mail to 400 East Main Street, Cooperative Extension Building, Kentucky State University, Frankfort, KY 40601

For more information please contact Jeremy Sandifer at Jeremy.Sandifer@kysu.edu or by phone at 502-597-7311



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