



College of Arts and Sciences

CONNECT. ACHIEVE. SUCCEED.



I am excited to hear of your interest in Oklahoma State University and the College of Arts and Sciences!

The OSU Freshman Research Scholars program offers the opportunity for talented students to get involved in academic research in their first year of college. We help students explore current research in their field of interest, find a faculty mentor, and contribute to a research project. At many research universities, this type of opportunity is not available until the senior year of college.

In the College of Arts and Sciences, students selected for the Freshman Research Scholars program enroll in a combination orientation and research course. The course is designed for each student to pursue a project of their choice, and all Arts and Sciences disciplines are eligible.

Learn More: <https://scholardevelopment.okstate.edu/freshman-research-scholars/prospective-freshman-researchers>

Apply Now: November 21 early opportunity deadline, February 1 final deadline

<https://orange.okstate.edu/apply/form?id=f7671f73-e15d-47f2-b2c3-f6f8833fa794> – You will log in to your admissions application to complete the Freshman Research Scholars application.

Here are some examples of recent Freshman Research Scholars projects:

- A Communication Sciences & Disorders major studied the effectiveness of the principles of motor learning technique on Parkinson's disease patients.
- A Computer Science major studied the effects of parental attitudes and science fiction on student interest in studying computer science.
- A Geology major studied the water well that supplies the OSU Polo Team's horses to determine if a nearby natural gas well was leaking waste water.
- A History major analyzed the role of women in early American politics using letters between U.S. congressmen and their wives.
- A Microbiology major studied antibiotic resistance of *Pseudomonas aeruginosa*, a pathogen that is often deadly to Cystic Fibrosis patients.
- A Music major worked on development of software to measure emotional inflection by singers.
- A Psychology major studied the effect of energy drinks on information transfer time between brain hemispheres.
- A Psychology major studied the effects of cold and flu illnesses on men's and women's cognitive task completion.

- A Physics major worked on a device to protect equipment in the Large Hadron Collider at CERN from the extreme cold of Switzerland.
- A Sports Media major studied predictors of NCAA women's basketball teams hiring a female head coach.
- A Strategic Communication and Political Science double major analyzed how media representations of a political race change when a woman is a candidate.
- A Statistics major developed a new statistical analysis of defensive baseball players.
- A Physiology major studied how arterial cells communicate to each other when a blockage is detected, to re-route blood supply and prevent heart attacks.
- A Zoology major studied mate selection among *Crotaphytus collaris*, the eastern collared lizard.

Sincerely,

Dr. Amy Martindale

Assistant Dean, Arts & Sciences Student Academic Services