



KAMS

EARLY COLLEGE PROGRAMS

AT FORT HAYS STATE UNIVERSITY

2023-2024 VIEWBOOK



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From the heart of Kansas, our dedicated and supportive staff encourage students in the Kansas Academy of Mathematics & Science (KAMS) at Fort Hays State University (FHSU) to aim high. KAMS offers an unparalleled academic program for gifted and talented high school students, immersing them in a full college experience in which they'll learn and live alongside like-minded peers on FHSU's campus.

Established by legislative action from the Kansas Senate in 2006, KAMS is designed to promote science, technology, engineering, and mathematics (STEM), and is intended for students complete during 11th and 12th grades. Selected learners will receive over 60 hours of college credit, a diploma from their sending school, hands-on research opportunities, leadership development, civic engagement, and co-curricular activities.

Why wait? Join a community of exceptional students and get a head-start on your future at KAMS!

Start your journey with us at [FHSU.edu/KAMS](https://www.fhsu.edu/KAMS)



**SCAN CODE
TO APPLY**

KAMS will transform your interests into skills, preparing you for excellence wherever the future takes you. Located on the historic FHSU campus, you will experience award-winning academics taught by Ph.D. faculty, and you will challenge yourself academically in state-of-the-art facilities.

FHSU Facts

12,951

TOTAL ENROLLMENT

20-25

AVERAGE CLASS SIZE

3,671

ON-CAMPUS ENROLLMENT

KAMS Facts

Campus Amenities: Student Wellness Center, athletic events, tutoring services, mental health counseling, health services

New student spots available each year: **40**

Average Academy enrollment per year: **75 students**

Average incoming ACT: **26 composite**

Average outgoing ACT: **32 composite**

Average time KAMS students need to complete a Bachelor's degree after program completion: **2 years**

Program completion rate: **95%**

A CURRICULUM CREATED FOR THE EXCEPTIONAL

Select a curriculum and academy experience made just for you!

Our curriculum pathways are designed to meet both your current academic abilities and high school graduation requirements. These individualized pathways will provide a roadmap to your future as a professional in the world of STEM.

Choose from courses within FHSU's five, award-winning and innovative colleges:

- *Science Technology, and Mathematics*
- *Health Professions and Behavioral Sciences*
- *Arts, Humanities, and Social Sciences*
- *Business & Entrepreneurship*
- *Education*

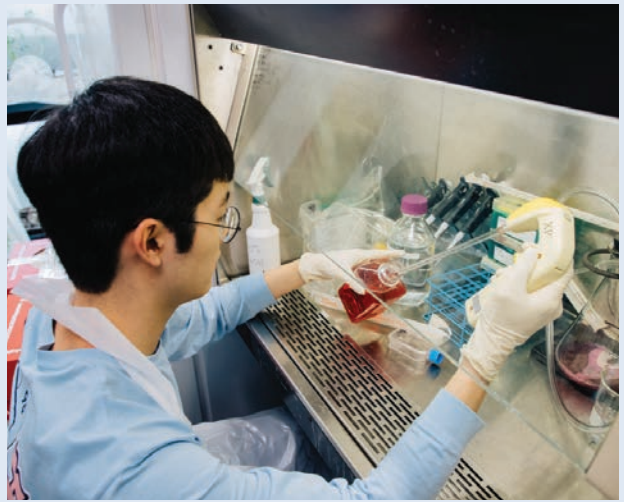
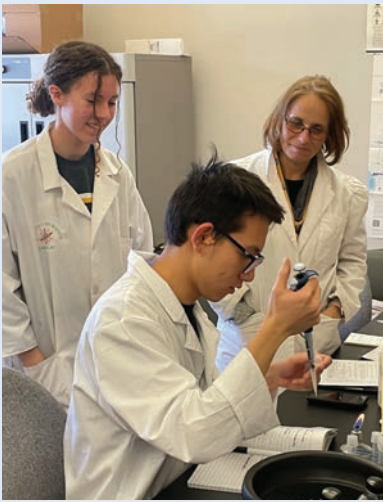


To start building your tailor-made, early college experience as a KAMS student, scan the QR code and see which curriculum pathway is best for you.

Along with countless other professional disciplines, our past KAMS graduates have experienced great success in the following areas:

- *Engineering*
- *Computer Science*
- *Mathematics*
- *Biology*
- *Veterinary Medicine*
- *Chemistry*
- *Geoscience*
- *Physics*
- *Agriculture*
- *Applied Technology*
- *Medicine*
- *Pharmacy*
- *Dentistry*
- *Nursing*
- *Psychology*
- *Law*
- *Political Science*
- *History*
- *English*
- *Art & Design*
- *Music*
- *Business*
- *Finance*
- *Marketing*
- *Accounting*
- *Education*





How we get **HANDS-ON**

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We know that some of the most valuable lessons aren't taught through lectures—so all KAMS students are asked to complete a hands-on research project with a Ph.D. faculty member from FHSU. The opportunity to conduct this level of research at such an early age will set you apart from traditional high school graduates and provide a unique learning experience. Whether it be programming a robot, studying cancer cells, or traveling on a research trip, you are encouraged to use your creativity to explore the world and get involved.



Leo Harzman: KAMS 2021; Fort Hays State University 2023; Eastern Michigan University, Clinical Psychology Masters Program Class of 2025

"I had several research experiences during my time at KAMS that were all fun and rewarding! My favorite project by far was the research I did with Dr. Jeanne Sumrall, in which we wrote and proposed a method of teaching cave mapping using the video game Minecraft. Our paper is currently under review to be published in an academic journal. It was super engaging trying to figure out how to translate real-life information to the mechanics of Minecraft. This research also taught me valuable literature review skills that allowed me to go on to conduct research in my undergraduate program immediately post-KAMS. The knowledge and experiences I gained in KAMS allowed me to finish my bachelor's degree at FHSU with a full ride in just two years!"

LEO HARZMAN KAMS Class of 2021



"The research experiences and challenges of KAMS gave me the confidence to know that I would be successful for the rest of my undergraduate career. I researched stimulators of interferon genes (STING) protein with Dr. Masakatsu Watanabe and classmate, Haley Pfeifer. We presented this research at multiple conferences, including the American Chemical Society Midwest Conference and SACAD. We placed third in Empirical Posters at SACAD among other undergraduate students before graduating high school! I believe my experiences and accomplishments at KAMS were highly influential when applying for scholarships. I received a Full-Ride Scholarship to finish my undergraduate degree at FHSU!"

LYLY LE (Wichita, KS), KAMS Class of 2022



YOUR HOME AWAY FROM HOME

You will make timeless friendships, share laughs and late-night study sessions, all while having a genuine college experience in FHSU's Custer Hall. Here, you will live amongst other high school-aged students from the Academy of Mathematics & Science (AMS), which hosts 11th and 12th graders from other states and countries. Custer Hall will quickly become your home away from home, where you'll live and learn with exceptional peers, just like you!

CUSTER HALL PERKS

Special security measures including locked entrances and exits; sign-in/sign-out system; a professional staff member on-site, full-time; floor curfew checks; and floor wings accommodating specified gender identities.

Free laundry facilities and a Laundry Alert system so you know when your clothes are ready.

Community spaces, including small & large study areas, kitchenettes, a game room, and a media room.

Discover your PASSIONS

Immerse yourself in the campus culture and discover a community that shares your passions - because life and learning happen both inside and outside of the classroom. We're proud to offer more than 120 student organizations that promote growth in all aspects of life. The opportunities for involvement are limitless!



ACADEMY FAVORITES

- American Medical Association
- Premedical Club
- Aikido Club
- Astronomy Club
- Biology Club
- Black Student Union
- Chemistry Club
- Chess Club
- Custer Hall Council
- FHSU Chorus
- Gay-Straight Alliance
- Intramural Athletic Teams
- Hackathon, Math Madness, VEX Robotics, & Rocketry Teams
- Linguistics Club
- Marching/Pep Band
- Physics Club
- Residential Hall Association
- Spanish Club
- Student Government Association

ALUMNI SUCCESS

You have unique educational and career goals, and we have the resources to help you achieve them. KAMS can be used as a steppingstone to get you to your dream school, program, or career. Whether you have aspirations to be a doctor, engineer, or even an astronaut, your KAMS experience will make you stand out among your peers and prepare you for success in ways you have possibly only imagined.



"KAMS allowed me to pursue my dream of entering medical school by supporting my transition from high school, allowing me to get involved with extracurriculars on campus, as well as begin research in addition to completing program course requirements."

JACOB LUTGEN (Basehor, KS), KAMS Class of 2017, FHSU Class of 2020, University of Kansas School of Medicine

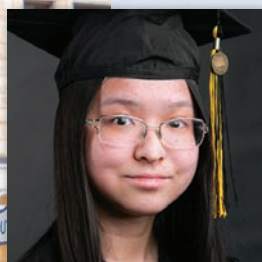
Early admitted to the University of Kansas School of Medicine





"KAMS offered me invaluable early exposure to research and career diversity, which became a pivotal point in my academic journey, providing me with the perfect platform to build a robust skillset that showcased my motivation for success in graduate school. Access to upper-level coursework allowed me to complete degree requirements efficiently and devote ample time to research endeavors. This not only enriched my knowledge but also equipped me with practical hands-on skills in field and lab settings, setting me apart from other perspective graduate school applicants. One of the standout features of KAMS is the dedicated support from their staff, who work closely with students, ensuring they are consistently challenged in both coursework and research, prepping them for any career path they pursue. Thanks to the early college experience I gained at KAMS, my trajectory through graduate school has been accelerated, setting the stage for ongoing success."

JORJA ELLIOTT (Pratt, KS) KAMS Class of 2019, FHSU Class of 2021, Texas A&M University Biology Ph.D. Program
3rd Year Ph.D. Candidate in the Department of Biology, Texas A&M University

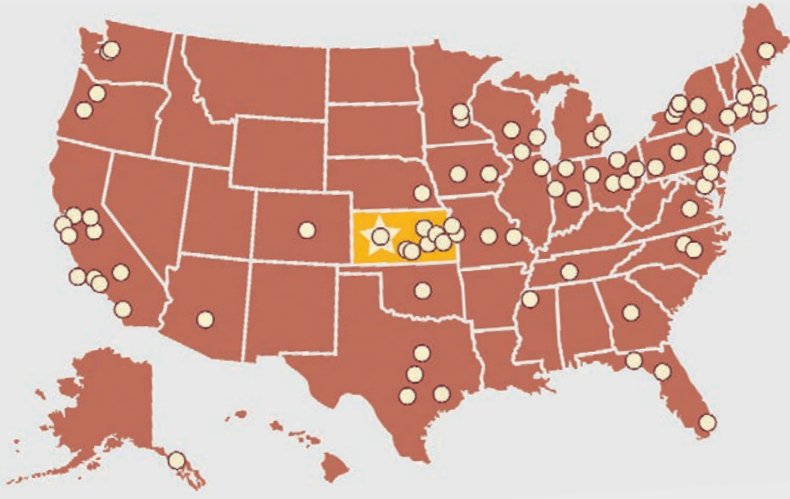


"As a KAMS student, I gained valuable experience in doing research, writing academic papers, and living independently. My background at KAMS prepared me for my future academic endeavors. My favorite part of KAMS was how supportive and accommodating the staff and professors were of my extracurricular activities, which let me continue to pursue my passions while furthering my academic career. The biggest benefit of KAMS was that I was able to transfer most of my FHSU credits to my next college, allowing me to graduate in two years and save money."

SHEENA ZENG (Hays, KS) KAMS Class of 2020, University of Michigan - Ann Arbor Class of 2023, University of Kansas Mathematics Ph.D. Program



COLLEGE ACCEPTANCE



UNITED STATES COLLEGES & UNIVERSITIES

Arizona State University (Tempe, AZ)

Baylor University (Waco, TX)

Beloit College (Beloit, WI)

Boston University (Boston, MA)

California Institute of Technology (Pasadena, CA)

Carleton College (Northfield, MN)

Carnegie Mellon University (Pittsburgh, PA)

Case Western Reserve University (Cleveland, OH)

Clemson University (Clemson, SC)

College of Wooster (Wooster, OH)

Colorado School of Mines (Golden, CO)

Cooper Union University (Manhattan, NY)

Denison University (Granville, OH)

DigiPen Institute of Technology (Redmond, WA)

Drexel University (Philadelphia, PA)

Emerson University (Boston, MA)

Emporia State University (Emporia, KS)

Florida State University (Tallahassee, FL)

Fort Hays State University (Hays, KS)

Franciscan University of Steubenville

(Steubenville, OH)

Friends University (Wichita, KS)

Georgia Institute of Technology (Atlanta, GA)

Grinnell College (Grinnell, IA)

Indiana University (Bloomington, IN)

Iowa University (Iowa City, IA)

Johns Hopkins University (Baltimore, MD)

Kansas State University (Manhattan, KS)

Lewis and Clark College (Portland, OR)

Manhattan College (Bronx, NY)

Marquette University (Milwaukee, WI)

Massachusetts College of Pharmacy &
Health Sciences (Boston, MA)

Massachusetts Institute of Technology (Boston, MA)

Michigan State University (East Lansing, MI)

Milwaukee School of Engineering (Milwaukee, WI)

Missouri Science & Technology (Rolla, MO)

North Carolina Central University (Durham, NC)

North Carolina State University (Raleigh, NC)

Northeastern University (Boston, MA)

Ohio Northern University (Ada, OH)

Ohio State University (Columbus, OH)

Park University (Parkville, MO)

Penn State University (State College, PA)

Pennsylvania State University (State College, PA)

Purdue University (West Lafayette, IN)

Queens University of Charlotte (Charlotte, NC)

Rensselaer Polytechnic Institute (Troy, NY)

Rhodes College (Memphis, TN)

Rice University (Houston, TX)

Rochester Institute of Technology (Rochester, NY)

Rose-Hulman Institute of Technology (Terre Haute, IN)

Rutgers University (New Jersey, NJ)

Rutgers University–New Brunswick, Newark (NJ)

Southern Methodist University (Dallas, TX)

Southwestern College (Winfield, KS)

St. John's College, Annapolis, Santa Fe
 State University of New York (SUNY)
 Suffolk University (Boston, MA)
 Stevens Institute of Technology (Hoboken, NJ)
 Temple University (Philadelphia, PA)
 Texas A&M University (College Station, TX)
 The City College of New York (NYC, NY)
 Union College (Schenectady, NY)
 University at Buffalo (Buffalo, NY)
 University of Advancing Technology (Tempe, AZ)
 University of Alaska Southeast (Juneau, AK)
 University of Arkansas (Fayetteville, AR)
University of California, Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, Santa Cruz
University of Chicago (Chicago, IL)
 University of Colorado (Boulder, CO)
 University of Connecticut (Storrs, CT)
 University of Detroit Mercy (Detroit, MI)
University of Florida (Gainesville, FL)
 University of Fort Lauderdale (Fort Lauderdale, FL)
University of Illinois Urbana-Champaign (Urbana & Champaign, IL)
 University of Kansas (Lawrence, KS)
 University of Maine (Orono, ME)
 University of Maryland (College Park, MD)
 University of Massachusetts, Amherst, Boston, Lowell
University of Michigan (Ann Arbor, MI)
 University of Minnesota, Twin Cities (Minneapolis & St. Paul)
 University of Missouri (Columbia, MO)
 University of Missouri-Kansas City (Kansas City, MO)
 University of Nebraska, Lincoln (Lincoln, NE)
 University of Nevada-Las Vegas (Las Vegas, NV)
 University of New Mexico (Albuquerque, NM)
University of North Carolina, Chapel Hill (Chapel Hill, NC)
 University of North Carolina, Chapel Hill, Charlotte, Greensboro
 University of Oklahoma (Norman, OK)
 University of Oregon (Eugene, OR)
University of Pennsylvania (Philadelphia, PA)
 University of Rhode Island (South Kingstown, RI)
University of Rochester (Monroe, NY)
 University of San Francisco (San Francisco, CA)
 University of South Carolina (Columbia, SC)
University of Southern California (Los Angeles, CA)
University of Texas, Austin
 University of the Pacific Dentistry (Stockton, CA)
 University of the Pacific Northwest (Yakima, WA)
University of Virginia (Charlottesville, VA)
 University of Washington-Seattle
University of Wisconsin (Madison, WI)
 Vanderbilt University (Nashville, TN)
 Washburn University (Topeka, KS)
Washington University (St. Louis, MO)
 Wentworth Institute of Technology (Boston, MA)
 Wichita State University (Wichita, KS)
 Winthrop University (Rock Hill, SC)
 Worcester Polytechnic Institute (Worcester, MA)

Colleges with bold text indicate US News & World Report's 2023 "Top 50" universities in the United States.

INTERNATIONAL COLLEGES & UNIVERSITIES

Chinese University of Hong Kong (Shenzhen, China)
 Hong Kong University (Hong Kong)
 King's College (London, UK)
 Massey University (New Zealand)
 New York University-Abu Dhabi, Shanghai
 Singapore University of Technology & Design (Singapore)
 University of British Columbia-Okanagan (Vancouver, Canada)
 University of Queensland (Brisbane, Australia)

This list showcases college that KAMS/AMS alumni have been admitted to in the past 5 years, schools that alumni have been admitted to that are featured on the most recent U.S. News and World Report Top 50 Best Colleges list, and other colleges that KAMS/AMS alumni have been admitted to that are important to note.

COST & SCHOLARSHIPS

Students who attend KAMS from a Kansas public school have their tuition and fees (up to 68 credit hours total) covered by the state of Kansas. Books, supplies, and a computer are also provided for Kansas public school students.

Room and board charges are estimated to be \$8,772 per year and are the student/family's responsibility. Students will have a meal plan that allows them to eat at the McMIndes dining facility, as well as dining dollars to use at other campus food services—like Starbucks or Union Marketplace.

COST SAVINGS

Attending KAMS for two years can save you \$18,000 – \$150,000 (depending on college that you select) in tuition and fees for students by reducing the time needed to complete a bachelor's degree.

**Based on College Board reported 2020 trends in pricing for in-state and out-of-state tuition.*

SCHOLARSHIPS

KAMS students cannot qualify for federal financial aid due to their high school student status. KAMS provides options to assist domestic students with the financial obligations of the program:

KAMS SCHOLARSHIP

- Need-based, non-renewable scholarship available to incoming and returning KAMS students. *To apply, please visit [FHSU.edu/kams](https://www.fhsu.edu/kams).*
- **Deadline: May 1**



"KAMS afforded me opportunities, both for my career and academics, that my small high school could not. Not only does KAMS provide their graduates with competitive application material, but also connects them with other talented students and faculty to push them further toward success. I attribute my successes to the KAMS program, staff, and classmates who guided and inspired me."

ADDISON MININGER (Hesston, KS) KAMS class of 2021,
FHSU class of 2023

APPLICATION & ADMISSION INFO

Admission to KAMS is evaluated holistically. We are looking for exceptional students who are academically talented, mature, motivated, and ready to embrace their future. To download a copy of the application packet, visit [FHSU.edu/kams](https://www.fhsu.edu/kams).

ADMISSION REQUIREMENTS

- Must have completed 10th grade of high school
- Successfully complete high school algebra II and geometry
- Receive a score of 23 ACT composite or 1150 SAT composite

ADDITIONAL ADMISSION CRITERIA REVIEWED

- Cumulative GPA
- Grades in relevant coursework
- Class rank
- ACT/SAT subsection scores
- Student essay
- Teacher, counselor, and mentor evaluations
- Leadership qualities and involvement
- Maturity and motivation

ADMISSION TIMELINE

The suggested deadline for application submission during your 10th grade year is April 1. Applications are accepted after this date until all 40 new-student slots are filled. We also offer an early admission opportunity for 9th graders.

HOW TO PREPARE FOR KAMS

- Take an ACT or SAT exam during the fall semester of your 10th grade year or earlier.
- Visit with your high school counselor about taking additional science and mathematics classes before attending KAMS, to better prepare for the KAMS curriculum.
- Complete your high school's specific credits for graduation before attending KAMS, such as physical education, history, and/or foreign language classes.
- Attend an information session or view a webinar. Check the KAMS website to see when we will be in your area! Virtual webinars are offered multiple times throughout the year.
- Visit campus. The best way to discover if KAMS is the right fit for you is to come see it for yourself. KAMS hosts a Preview Day every fall that allows students and families to experience campus firsthand. Personalized visits to KAMS are also offered any day of the week. Sign up for Preview Day or schedule your personalized visit by contacting the KAMS office.



SCAN CODE
TO SIGN UP

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FORT HAYS STATE UNIVERSITY
KANSAS ACADEMY OF
MATHEMATICS AND SCIENCE