





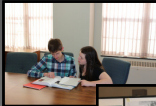
Kansas Academy of Mathematics and Science



FORT HAYS STATE
UNIVERSITY
Forward thinking. World ready.


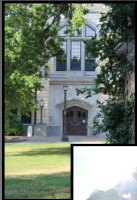
What is KAMS?

An early-entry-to-college program that allows academically **talented** and **motivated** high school juniors & seniors who are interested in math and science to live at FHSU and attend a residential academy.



About KAMS...

- Students receive 68 hours of college credit
- Focused on academics, research, leadership development and civic engagement
- Established and funded by the Kansas state legislature to promote mathematics and science education



Brief History



- The Kansas Academy of Mathematics and Science hosted it's first class of students in 2009.
- 4 classes have completed the KAMS program.
- KAMS is currently on it's 6th class of juniors.

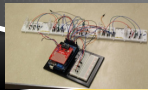


Academics

KAMS students take regular college courses, integrated with FHSU students

KAMS students are expected to maintain a 3.0 GPA

Upon completion of KAMS – students receive a completion certificate from FHSU and a high school diploma from their sending school



Research Opportunities

- Gain hands-on research experience with PhD-level faculty
- Develop research skills during junior year
- Make a professional presentation before graduation



Research Opportunities

- Carbon Sequestration
- Biodiesel Refinement Research
- The relationship between the size of a wind farm and its cost efficiency
- The effect of sea surface temperature on the frequency of hurricanes
- How does the Smoky Hills Wind Farm effect downstream humidity levels
- Kansas wheat yield and temperatures
- Asteroid light curves



COURSES

<p>Junior Year Courses</p> <p><u>Fall Semester:</u></p> <ul style="list-style-type: none"> Pre-Calculus University Chemistry I & Lab Geosciences English Composition I US History before 1877 <p>17 Credit Hours</p> <p><u>Spring Semester:</u></p> <ul style="list-style-type: none"> Analytic Geometry & Calculus I University Chemistry II & Lab English Composition II US History after 1877 <p>16 Credit Hours</p>	<p>Senior Year Courses</p> <p><u>Fall Semester:</u></p> <ul style="list-style-type: none"> Calculus II Principles of Biology Physics for Scientists & Engineers I Oral Communication Departmental Research & Writing <p>18 Credit Hours</p> <p><u>Spring Semester:</u></p> <ul style="list-style-type: none"> American Government Computer Science Elective Physics for Scientists & Engineers II Global Challenges Departmental Research & Writing <p>17 Credit Hours</p>
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Advising

The KAMS staff:

- Coordinates transfer of records with each sending school
- Establish academic articulation agreements with each sending school
- Ensure that state assessments are conducted and scores submitted to each sending school
- Register students for classes
- Actively monitor student progress/performance
- Assist students with college application process
- Assist students with test registration such as SAT & ACT


Living Community

- All students live in Custer Hall
 - Custer Hall renovated for KAMS program
 - Tigers Den
- Supervision
 - Live-in professional staff, curfews and check-in/check-out procedures
 - KAMS offices located in Custer Hall



Student Life

- KAMS students are involved!
 - Marching Band, Choir, Ensembles
 - Honor Societies
 - Student Government Association
 - Service Organizations
 - International Student Association
 - Rocket Club
 - High Altitude Balloon Research Team
 - Intramurals
 - Hall Council
 - Academic and Research Competitions



Admission & Selection

Minimum Academic Requirements

- Algebra II and Geometry successfully completed before enrollment at KAMS (Pre-calculus & Chemistry preferred)
- Minimum 23 composite on ACT or minimum 1590* on SAT



KAMS STAFF



Dr. Roger Schieferdieck
Director



Will Burns
Assistant Director
Academic Advisor



Angela Delzeit
Coordinator for Marketing
and Recruitment



Ann Noble
Financial Administrator



Melissa Mayers
Administrative Assistant

KAMS Summer Academy

- KAMS is offering six, one week, summer camps.
- Designed to ignite interest in STEM related fields through an enrichment approach.
- These camps are developed for students going into their Freshman and Sophomore year.
- The KAMS Summer Academy will expose STEM fields to 180 students.

Topics such as:

- Java Programming and Chessboard Problems
- High Altitude Balloon Science
- Cooking with Chemistry
- Pi & Other Sweets for the Tech Junkie
- Energy: What Do We Really Need?
- C.H.A.S.I.N.G

KAMS Alumni



Alexandria Darden, Lansing, KS
 1st Class of KAMS
 Currently Attending: University of Kansas
 Pursuing PhD in the Behavioral Neuroscience Division studying Pharmacology



Elsie Suhr, Sabetha, KS
 2nd Class of KAMS
 Currently Attending: Kansas State University
 Completed KAMS at 17, KSU at 19, and currently in doctoral program at KSU in Veterinary school.



Elliot Bicker, Hiawatha, KS
 4th Class of KAMS – Completed May, 2014
 Currently Attending: University of Kansas
 Major: Aerospace Engineering
