

Requirements to attend KAMS

- You must be a high school sophomore or the equivalent to be eligible to apply to KAMS.
- To be considered for acceptance, you must have a minimum ACT score of 23 or SAT score of 1590.
- International students must also have one of the following minimum TOEFL scores:
 - Paper-based test (pBT) score of 540 or
 - Computer-based test (cBT) score of 220 or
 - Internet-based test (iBT) score of 70.
- Complete Algebra II and Geometry.
- Student applications are evaluated holistically.
- Students must maintain a 3.0 GPA while enrolled at the Academy.

Costs associated with KAMS

- Tuition, fees and books will be provided by KAMS for up to a total of 68 credit hours for students currently attending a public school in Kansas. In total, this is equivalent to approximately \$10,000.
- Parents of Kansas public school students will be responsible for the cost of housing, meals and incidentals.
 - Housing at FHSU in 2015-2016 is approximately \$7,447 (includes meal plan)
- Kansas private school students, Non-Kansas students, and International students are responsible for all costs associated with attending KAMS.



Kansas Academy of Mathematics and Science

at Fort Hays State University



For more information

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FORT HAYS STATE UNIVERSITY
KANSAS ACADEMY OF MATHEMATICS
AND SCIENCE

Forward thinking. World ready.



What is the Kansas Academy of Mathematics and Science (KAMS)?

- KAMS is Kansas' premier residential learning experience for exceptional high school juniors and seniors with an interest in mathematics and science, located on the Fort Hays State University campus.
- Established in 2006 by the Kansas Legislature with the enactment of Senate Bill 139.
- First KAMS class enrolled in fall 2009.
- Over two years, students will receive:
 - Up to 68 hours of college credit in addition to a high school diploma.
 - Hands-on research opportunities.
 - Leadership development and civic engagement opportunities.
 - Co-curricular and extracurricular activities to develop the whole student
- KAMS currently accepts 40 Kansas students and a total of 10 national or international students per year.

**Kansas' Premier Early-Entry-To-College
Program for High School Juniors & Seniors**

KAMS CLASS SCHEDULE SAMPLE

Student Living Environment

- Students are required to live in Custer Hall on the FHSU campus.
- Rooms will be shared by two KAMS students.
- Males and females will reside on different floors of Custer Hall.
- Student supervision includes the following policies:
 - Evening curfews.
 - Permission required to leave campus.
 - Regulated visitation by guests.
 - No persons of the opposite sex allowed on KAMS floors.
 - Special security measures.

Research and Courses

- Students will work with Ph.D. faculty on research projects.
- Students are fully integrated into the regular college classroom.
- Students will have a regular 16 to 18 hours per semester college schedule. Keep in mind the rule of thumb is that every 1 hour in the classroom will require 2-3 hours of study outside of class.

Extracurricular Activities and Sports

- KAMS is an approved school through the Kansas State High School Activities Association.
- Students will be able to form their own clubs, participate in intramurals, join FHSU student organizations, and participate in fine arts activities.
- The Kansas State High School Activities Association requires that any non-athletic

activities KAMS students participate in will not include any competition at the league or state level. KAMS students will not be permitted to participate in state-sanctioned high school athletics.

- National Collegiate Athletic Association regulations do not permit KAMS students to join FHSU athletic teams.

Fort Hays State University & the city of Hays

Founded in 1902, FHSU is one of six state-assisted institutions of higher education and is governed by the Kansas Board of Regents. FHSU has an enrollment of approximately 13,000 students and offers more than 60 majors. FHSU is a cultural



nexus for western Kansas, providing access to sports, off-Broadway productions and other performing

arts, and art exhibitions. FHSU is closely connected to the community and region, allowing natural opportunities for cultural, social and intellectual enrichment to balance a student's education.

Located on Interstate 70, the city of Hays serves as a regional center for the western half of Kansas in education, health care, professional services, shopping, culture and recreation. Hays has a friendly, small-town atmosphere and most importantly, is a safe community with low crime rates.

JUNIOR YEAR

Fall Semester

- Pre-Calculus
- University Chemistry 1 and Lab
- Earth, Space, Science Research and Writing
- English Composition 1
- U.S. History Before 1877

17 Credit Hours

Spring Semester

- Calculus 1
- Principles of Biology
- English Composition II
- U.S. History After 1877

15 Credit Hours

*This is a sample KAMS class schedule. Depending on the student's area of interest they will have the option to take second tier STEM electives, as outlined below. Students can earn up to 68 hours of college credit.

Physics

Physics for Scientists and Engineers II & Lab
Analog and Digital Electronics
Modern Physics

Mathematics

Elements of Statistics
Calculus III
Advanced Calculus
Linear Algebra
Differential Equations
Discrete Structure

Biology

Botany
Zoology
Microbiology
General Microbiology

Geoscience

Intro to Geology
Historical Geology
Elements of Physical Geography
Climatology
Elementary Meteorology
Intro to GIS
Intermediate GIS
Advanced GIS
World Geography

Computer Science

Computer Science II
Foundations of Computing
Computer Operating Systems
Systems Architecture
Java Programming

Chemistry

University Chemistry II & Lab
Organic Chemistry I & Lab
Organic Chemistry II & Lab
Chemical Analysis

Applied Technology

Intro to Computer Aided Drafting
Intro to STEM Applications

Agriculture

Animal Science
Agronomic Crop Sciences & Lab



SENIOR YEAR

Fall Semester

- Calculus II
- STEM Elective
- Physics for Scientist and Engineering I
- Elective course of interest
- Departmental Research and Writing

18-20 Credit Hours

Spring Semester

- American Government
- Computer Science Elective
- STEM Elective
- Social Studies Elective
- Departmental Research and Writing

14-17 Credit Hours