

EARLY COLLEGE PROGRAMS AT FORT HAYS STATE UNIVERSITY

Kansas Academy of Mathematics and Science & Academy of Mathematics and Science 2023-2024 School Profile



Early College Programs includes two premier academies for the best and brightest students from around the world. The academies are housed on Fort Hays State University's campus in Hays, Kansas. Students from both academies live and study alongside one another while taking rigorous college coursework with undergraduate students during their junior and senior years of high school.

In the program, students receive:

- Hands-on research opportunities with Ph.D. faculty
- Leadership development and civic engagement opportunities
- Co-curricular activities
- A high school diploma & the option to complete an Associate of General Studies in Science degree from FHSU

Admission into the academies is competitive, and applicants are evaluated holistically. The admission committee considers standardized test scores, GPA, attendance, maturity, leadership, extracurricular involvement, and other criteria.



FORT HAYS STATE UNIVERSITY
KANSAS ACADEMY OF
MATHEMATICS AND SCIENCE



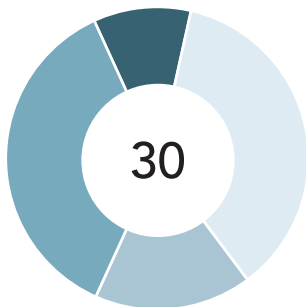
FORT HAYS STATE UNIVERSITY
ACADEMY OF MATHEMATICS AND SCIENCE

KANSAS ACADEMY OF MATHEMATICS AND SCIENCE [KAMS]

KAMS was established by legislative action in 2006 by Senate Bill 139 and is Kansas' first and only fully immersive early college program. KAMS allows academically talented Kansas high school juniors and seniors to live at FHSU and attend a residential academy. Although students complete their final two years of high school at FHSU, they remain enrolled in their sending high school.

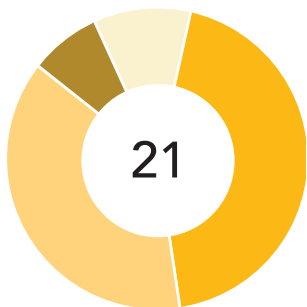
During the college application process, KAMS students will submit a Fort Hays State University transcript and their respective Kansas high school transcript. Upon graduation, Kansas students receive a high school diploma from their sending high school and a certificate of completion from KAMS.

2023-2024 ENROLLMENT



ENROLLMENT (JUNIORS)

- (5) AMS Female
- (9) AMS Male
- (7) AMS Female
- (9) AMS Male



ENROLLMENT (SENIORS)

- (5) AMS Female
- (2) AMS Male
- (8) AMS Female
- (6) AMS Male

Total Enrollment: **51 students**

Countries Represented: **United States, China, South Korea**

Students from U.S. Rural Cities and Towns: **23**

Students from U.S. Metropolitan Cities: **7**

ACADEMY OF MATHEMATICS AND SCIENCE (AMS)

AMS was established to accommodate the KAMS program's growing international and out-of-state student populations. AMS students live on campus in the same residence hall and take the same courses as KAMS students. International students attending AMS are enrolled at Thomas More Prep-Marian (TMP-M) High School (Hays, Kansas). TMP-M is one of the state's top private high schools with a strong reputation for preparing students for elite educational opportunities. During the college application process, international students will submit a FHSU transcript and a TMP-M transcript. Upon graduation, our international students receive a high school diploma from TMP-M High School and a certificate of completion from AMS.

Out-of-state students attending AMS are enrolled at their respective state's sending high school. During the college application process, out-of-state students will submit a Fort Hays State University transcript and a high school transcript from their respective out-of-state sending school. Upon graduation, out-of-state students attending AMS will earn a high school diploma from their respective sending high school and a certificate of completion from AMS.

21
National Merit
Semi-finalists

11
National Merit
Finalists

12
National Merit
Commended

26
composite
Average Incoming ACT

1465
composite
Average Outgoing
Senior ACT

31
composite
Average
Outgoing
Senior ACT

72
Average
Credit Hours
Completed
Upon Graduation

* KAMS/AMS does not rank students. However, a student's sending high school may provide a class rank on the sending high school transcript.

SAMPLE COURSE PROGRESSION

JUNIOR YEAR

Fall Semester	Spring Semester
Pre-Calculus	Calculus I
*Principles of Biology + Lab	*Chemistry I + Lab
OR *Human Biology + Lab	OR *University Chemistry I + Lab
English Composition I	English Composition II
U.S. History Before 1877	U.S. History After 1877
Earth, Space, Science Research & Writing	Departmental Research & Writing
Research Seminar	
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17 Credit Hours	16-18 Credit Hours

SENIOR YEAR

Fall Semester	Spring Semester
Calculus II	American Government
*Physics I + Lab	Computer Science Elective
OR *Engineering Physics I + Lab	STEM Elective
STEM elective	Social Studies Elective
Departmental Research & Writing	Elective course of interest
	Departmental Research & Writing
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14-16 Credit Hours	14-16 Credit Hours

*FLEXIBLE PATHWAYS: Our course schedule provides students with a choice of an academic pathway that is related to their anticipated academic program and/or career of choice. Students are given the option to complete more rigorous coursework in their desired discipline based on their background, previous knowledge, and academic interest.



SCAN TO VIEW
SAMPLE CURRICULUM

SAMPLE STEM ELECTIVE OPTIONS

APPLIED TECHNOLOGY

Intro to Computer Aided Drafting
Intro to STEM Applications

BIOLOGY

Botany
Zoology
Microbiology

CHEMISTRY

University Chemistry II + Lab
Organic Chemistry I & II + Lab

COMPUTER SCIENCE

Foundations of Computing
Object-Oriented Programming
Java Programming

GEOSCIENCE

Climatology
Elementary Meteorology
Intro to GIS

MATHEMATICS

Elements of Statistics
Linear Algebra
Differential Equations

PHYSICS

Engineering Physics II + Lab
Analog & Digital Electronics
Modern Physics

Depending on the student's area(s) of interest, they have the option to take other FHSU elective courses, as needed.

SAMPLE STUDENT ORGANIZATIONS

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

CONTACT US

Early College Programs

KAMS/AMS

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COLLEGE ACCEPTANCE

Graduating Class of 2022 (Class Size: 28 students)

Arizona State University	Michigan State University	University of Colorado
California Institute of Technology	Missouri Science & Technology	University of Detroit-Mercy
Carnegie Mellon University	Ohio State University	University of Florida
Case Western Reserve University	Penn State University	University of Illinois Urbana Champagne
Clemson University	Rensselaer Polytechnic Institute	University of Kansas
College of Wooster	Texas A & M	University of Massachusetts at Amherst
Digi-Pen Institute of Technology	Union College	University of Michigan-Ann Arbor
Drexel University	University at Buffalo	University of Minnesota Twin Cities
Fort Hays State University	University of Advancing Technology	University of the Pacific
Indiana University-Bloomington	University of California-Davis	University of South Carolina
Kansas State University	University of California-Irvine	University of Wisconsin-Madison
Lewis & Clark College	University of California-San Diego	Washburn University
Massachusetts Institute of Technology	University of California-Santa Cruz	

Graduating Class of 2023 (Class Size: 20 students)

Fort Hays State University	St. John's College-Santa Fe	University of Nebraska-Lincoln
Iowa State University	Temple University	University of Nevada-Las Vegas
Kansas State University	University of Adelaide-Australia	University of New Mexico
Manhattan College	University of Arkansas	University of North Carolina-Charlotte
Marquette University	University of California-Riverside	University of North Carolina-Greensboro
North Carolina Central University	University of California-San Diego	University of Oklahoma
Ohio State University	University of Colorado-Boulder	University of the Pacific Northwest
Queens University of Charlotte	University of Detroit-Mercy	Washburn University
Rutgers University-New Brunswick	University of Illinois Urbana Champagne	Washington University St. Louis
Rutgers University-Newark	University of Kansas	Wichita State University
Southwestern College	University of Minnesota Twin Cities	Winthrop University