



Guidelines for Reporting Students Attending the Kansas Academy of Math and Science (KAMS)

Introduction:

This document outlines the process of reporting information regarding students attending the Kansas Academy of Math and Science (KAMS) at Fort Hays State University to the KIDS Collection System.

Related Documentation:

The primary documentation for KAMS can be found on the Fort Hays State University website at <http://www.fhsu.edu/kams/>. This is the official website for the KAMS program.

KIDS Records and KAMS:

KAMS students will be reported to KIDS by the school district the student would otherwise be attending. These students will be reported on all pertinent KIDS record types.

The valid building values for KAMS students in KIDS are as follows:

- D2: AYP/QPA School will be listed as the school within the district where the student would otherwise be attending.
- D15: Funding School will be listed as the central office of the district where the student would otherwise be attending.
- D16: Attendance School will be listed as “9100” the building number for Fort Hays State University.

These students should also be reported with a value of “3 = State University” in the D25: Concurrent High School Enrollment field. All other values will be reported the same as other students reported to KIDS.

KAMS and ENRL:

ENRL records are submitted for the September 20th headcount upon which a school’s yearly funding is based. For these students, Fort Hays will send attendance records to the Funding District for reporting purposes. The district where the student would otherwise be attending will submit the student’s ENRL record to the KIDS system with the D15: Funding School listed as the district’s central office and the D16: Attendance School as building number “9100” for Fort Hays State University.

Based on the minutes enrolled reported on the student’s ENRL record, the student’s FTE will be calculated for funding purposes. KAMS students should also be reported with the D25: Concurrent High School Enrollment field marked as “3 = State University” and therefore only need 300 minutes to be considered 1.0 FTE. Fort Hays State University will then bill the district

for the Base Student Aid amount for that student. These students do not qualify for any additional weighting in the funding formula.

KAMS and TEST:

TEST records are used to indicate which tests a student will be taking in a given year. The students in this program will have their assessments administered at Fort Hays on behalf of the district. To accomplish this, the local district must enter building code “9100” as the D16: Attendance School. The student’s assessment results will be counted for the school where the student would be attending otherwise and that school should be listed as the student’s D2: AYP/QPA School.

KAMS and EOYA:

EOYA records are collected to gather attendance and membership data for all students who were enrolled at the AYP school at any point during the school year. Fort Hays will send attendance and membership information for each student to the student’s AYP district in January and late May of each year so it can be reported to KIDS. Since KAMS students have college schedules, they do not attend a standard number of hours per day. Fort Hays will report the number of days classes were in session and the number of days the student was absent. These students will be included in the AYP districts attendance numbers for the school year.

KAMS and EXIT:

EXIT records are collected to indicate when a student has left or graduated from an AYP school. If a student will no longer be attending the program offered at Fort Hays and will now be attending the current AYP school, no EXIT record will be required. If the student will no longer be attending the program at Fort Hays and will now be attending a different AYP school, an EXIT record will be required. In the event the student completes the Fort Hays program and completes the graduation requirements for the AYP school, an EXIT record will need to be sent, with an D27: Exit/Withdrawal Type of “8 = Graduated with Regular Diploma” by the student’s AYP school/district.

KAMS and STCO:

STCO Records are collected to provide a teacher, student, course, grade link. The courses must be mapped in the Kansas Course Code Management System (KCCMS). A standardized list of courses that can be used to map KAMS courses in KCCMS has been created and can be found in the Appendix of this document. These courses should be assigned in the Educator Data Collection System (EDCS) to the person at the student’s AYP district responsible for that program. It may be the counselor or principal or some other licensed person responsible for overseeing that program for the district. The course must be assigned to a licensed educator in EDCS or the record will be rejected.

For more information:

- KIDS Technical Support: KSDE Helpdesk 785-296-7935 or kids@ksde.org
- For training in the KIDS system: visit the KIDS project website at www.ksde.org/kids and go to the “Training” tab.

Revision History

Version	Date	Changes
4.00	3.19.12	<ul style="list-style-type: none">• Updated for the 2012-2013 school year

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*The Kansas State Department of Education does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies:
KSDE General Counsel, 120 SE 10th Ave., Topeka, KS 66612; 785-296-3201*

Appendix: Kansas Academy of Math and Science Courses

SEMESTER	KAMS TITLES	KCCMS CODE	KCCMS TITLE	KCCMS DESCRIPTION
JR YR Fall	Pre-Calculus	02110	Pre-Calculus	Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.
JR YR Fall	University Chemistry I and Lab	03106	AP Chemistry	Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Topics covered may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses.
JR YR Fall	Global Climate Change: Science and Impacts	03210	Science, Technology and Society	Science, Technology, and Society courses encourage students to explore and understand the ways in which science and technology shape culture, values, and institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology enter society and how they change as a result of social processes.
JR YR Fall	English Composition I	01103	Composition	Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.
JR YR Fall	U.S. History Before 1877	04104	AP U.S. History	Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

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SEMESTER	KAMS TITLES	KCCMS CODE	KCCMS TITLE	KCCMS DESCRIPTION
JR YR Fall	Colloquia	22999	Miscellaneous— Other	Other Miscellaneous courses.
JR YR Spring	Calculus I	02121	Calculus	Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).
JR YR Spring	University Chemistry II and Lab	03102	Chemistry— Advanced Studies	Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, acromolecules, kinetic theory, and nuclear chemistry.
JR YR Spring	English Composition II	01005	AP English Language and Composition	Following the College Board’s suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.
JR YR Spring	U.S. History After 1877	04104	AP U.S. History	Following the College Board’s suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.
JR YR Spring	Colloquia	22999	Miscellaneous— Other	
SR YR Fall	Calculus II	02123	Differential Calculus	Differential Calculus courses include the study of elementary differential equations including first- and higher-order differential equations, partial differential equations, linear equations, systems of linear equations, transformations, series solutions, numerical methods, boundary value problems, and existence theorems.

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SEMESTER	KAMS TITLES	KCCMS CODE	KCCMS TITLE	KCCMS DESCRIPTION
SR YR Fall	Principles of Biology	03056	AP Biology	Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments.
SR YR Fall	Physics for Scientists and Engineers I	03156	AP Physics C	Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C courses primarily focus on 1) mechanics and 2) electricity and magnetism, with approximately equal emphasis on these two areas. AP Physics C courses are more intensive and analytical than AP Physics B courses and require the use of calculus to solve the problems posed.
SR YR Fall	Fundamentals of Oral Communication	01151	Public Speaking	Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.
SR YR Fall	Departmental Research and Writing	01105	Research/Technical Writing	Research/Technical Writing classes prepare students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style.
SR YR Fall	Colloquia	22999	Miscellaneous— Other	Other Miscellaneous courses.

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SEMESTER	KAMS TITLES	KCCMS CODE	KCCMS TITLE	KCCMS DESCRIPTION
SR YR Spring	American Government	04157	AP U.S. Government and Politics	Following the College Board’s suggested curriculum designed to parallel college-level U.S. Government and Politics courses, these courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The courses generally cover the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties.
SR YR Spring	Computer Science Elective	10157	AP Computer Science A	Following the College Board’s suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses provide students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. These courses cover such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.
SR YR Spring	Physics for Scientists and Engineers II	03152	Physics—Advanced Studies	Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.
SR YR Spring	Issues in Leadership: Seven Resolutions	22101	Leadership	Leadership courses are designed to strengthen students’ personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.
SR YR Spring	Departmental Research and Writing	01149	Composition—Other	Other Composition courses.
SR YR Spring	Colloquia	22999	Miscellaneous—Other	Other Miscellaneous courses.