

Kansas Academy of Mathematics and Science at Fort Hays State University

KAMS Course Title	KAMS Code	KCCMS Course Title	KCCMS Course Code
Principles of Accounting I	ACCT 203	Accounting	12104
Principles of Accounting I	ACCT 203	Accounting	12104
Animal Science	AGRI 111	Animal Production/Science	18101
Animal Science Lab	AGRI 111L	Animal Production/Science/Lab	18101
Drawing I	ART 101	Creative Art--Drawing	05156
Drawing II	ART 102	Creative Art--Drawing	05156
2-D Design	ART 103	AP 2D Art and Design	05174
Architectural Drafting	ART 241	Drafting - Architectural	21103
Creative Photography I	ART 244	Photography	05167
Ceramics II	ART 360	Ceramics/Pottery	05159
Art Apprenticeship	ART 476	Visual Arts-Other	05199
Human Biology	BIOL 100	Anatomy & Physiology	03099
Human Biology CLEP	BIOL 100	Anatomy & Physiology	03099
Laboratory Experiences in Biology	BIOL 102L	Anatomy & Physiology /Lab	03099
Principles of Biology	BIOL 180	AP Biology	03056
Principles of Biology CLEP	BIOL 180	AP Biology	03056
Principles of Biology Lab	BIOL 180 L	AP Biology /Lab	03056* or 03099
Anatomy and Physiology	BIOL 230	Anatomy and Physiology	03053
Anatomy and Physiology Laboratory	BIOL 230L	Anatomy and Physiology/Lab	03053
Microbiology for Allied Health	BIOL 240	Microbiology	03060
Microbiology for Allied Health	BIOL 240 L	Microbiology	03060* or 03099
Medical Terminology	BIOL 245	Medical Terminology	014154
Human Heredity	BIOL 300	Biology - Other	03099
Genetics	BIOL 325	Genetics	03059
Genetics Laboratory	BIOL 325L	Genetics/Lab	03059
Problems in Biology Research	BIOL 471	**Research/Technical Writing	**01105
General Microbiology	BIOL 490	Microbiology	03060
General Microbiology Laboratory	BIOL 490L	Microbiology/Lab	03060
General Chemistry I	CHEM 112	Chemistry	03149
General Chemistry Laboratory I	CHEM 112L	Chemistry/Lab	03149
University Chemistry I	CHEM 120	AP Chemistry	03106
University Chemistry I Lab	CHEM 120 L	AP Chemistry/Lab	03106* or 03149
University Chemistry II	CHEM 122	AP Chemistry	03102
University Chemistry II Lab	CHEM 122 L	AP Chemistry/Lab	03102* or 03149
Organic Chemistry I	CHEM340	Organic Chemistry	03103
Organic Chemistry I Lab	CHEM 340 L	Organic Chemistry/Lab	03103* or 03149
Organic Chemistry II	CHEM 342	Organic Chemistry	03103
Organic Chemistry II Lab	CHEM 342L	Organic Chemistry/Lab	03103* or 03149
Readings in Chemistry	CHEM 672	**Research/Technical Writing	**01105
Problems in Chemistry	CHEM 673	**Research/Technical Writing	**01105
Fundamentals of Oral Communication	COMM 100	Public Speaking	01151
Computer Science I	CSCI 121	AP Computer Science A	10157
Computer Science 2	CSCI 221	AP Computer Science A	10157
Object-Oriented Programming	CSCI 231	Particular Topics in Computer Program	10160
Foundations of Computing	CSCI 241	AP Computer Science A	10157
Data Structures	CSCI 251	Database Applications	10053
Assembly Language	CSCI 321	Computer Programming-Other Language	10156

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Operating Systems	CSCI 331	Essentials of Network Operating System	10109
Problems	CSCI 673	**Research/Technical Writing	**01105
Principles of Personal Finance	FIN 205	Finance	12103
Principles of Microeconomics	ECON 201	AP Microeconomics	04203
Principles of Macroeconomics	ECON 202	AP Macroeconomics	04204
English Composition I	ENG 101	Composition	01103
English Composition I CLEP	ENG 101	Composition	01103
English Composition II	ENG 102	AP English Language and Composition	01005
English Composition II CLEP	ENG 102	AP English Language and Composition	01005
Intro to Creative Writing	ENG 164	Creative Writing	01104
Ideal Societies in Fiction	ENG 325	Literature of a Theme	01065
Advanced Composition	ENG 446	Composition--Independent Study	01147
Elements of Physical Geography	GSCI 101	Physical Geography	03007
Mineralogy	GSCI 310	Particular Topics in Earth Science	03009
Mineralogy Laboratory	GSCI 310L	Particular Topics in Earth Science/Lab	03009
Topics in Geo Sci: Natural Resources in CO	GSCI 357	Particular Topics in Natural Resources/	18505
Topics/Geosciences: Early College Research Seminar	GSCI 357	Seminar	22106
Appr/GSCI: Earth Spc Science & Writing	GSCI 376	**Research/Technical Writing	**01105
Problems in Geosciences: Earth, Space, Science, Resources & Writing	GSCI 637	**Research/Technical Writing	**01105
Readings in Geosciences	GSCI 672	Particular Topics in Natural Resources	18505
Self Defense	HHP 109	Self-Defense	08012
Personal Fitness I	HHP 128	Fitness/Conditioning Activities	08005
Special Activities in HHP: Aikido	HHP 180	Physical Education Other	08049
Special Activities in HHP: Tae Kwon Do	HHP 180	Physical Education Other	08049
Introduction to Lifetime Sports	HHP 260	Lifetime Fitness Education	08016
Modern World Civilization	HIST 111	Modern World History	04053
U.S. History Before 1877	HIST 130	AP U.S. History	04104
U.S. History Before 1877 CLEP	HIST 130	AP U.S. History	04104
U.S. History After 1877	HIST 131	AP U.S. History	04104
U.S. History After 1877 CLEP	HIST 131	AP U.S. History	04104
Intro to Computer Information Systems	INF 101	Information Management	10051
Topics I Informatics: Video Game Creation	INF 322	Game Design & Authoring for the Web	10165
Programming with Python	INF 360	Computer Science and Software Engine	41011
Readings in Informatics	INF 472	Computer and Information Sciences	10997
Seminar in Informatics: Video Game Creation	INF 678	Computer and Information Sciences—Other	10999
Global Challenges	LDRS 407	Contemporary World Issues	04064
Issues in Leadership (Colloquia)	LDRS 120	Leadership	22101
College Algebra	MATH 110	Algebra III	02057
College Algebra CLEP	MATH 110	Algebra III	02057
Plane Trigonometry	MATH 122	Trigonometry	02103
Plane Trigonometry CLEP	MATH 122	Trigonometry	02103
Pre-Calculus Mathematics	MATH 130	Pre-Calculus	02110
Pre-Calculus Mathematics CLEP	MATH 130	Pre-Calculus	02110
Analytic Geometry and Calculus I	MATH 234	Calculus	02121

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Analytic Geometry and Calculus I CLEP	MATH 234	Calculus	02121
Analytic Geometry and Calculus II	MATH 235	Differential Calculus	02123
Analytic Geometry and Calculus III	MATH 236	Math Analysis/Analytic Geometry	02108
Linear Algebra	MATH 240	Linear Algebra	02111
Elements of Statistics	MATH 250	Statistics - Other	02209
Calculus Methods	MATH 331	Calculus	02121
Differential Equations	MATH 354	Differential Calculus	02123
History of Mathematics	MATH 370	History of Mathematics	02991
Problems	MATH 673	**Research/Technical Writing	**01105
Problems	MATH 673	Foundation Mathematics - Independent	02047
Introduction to Business	MGT 101	Applied Business Development	32200
Beginning Spanish I	MLNG 225	Spanish 1	06101
Beginning Spanish II	MLNG 226	Spanish III	06103
Beginning Chinese II	MLNG 232	Chinese III	06403
Intermediate Spanish I	MLNG 325	Spanish III	06103
Intermediate Spanish II	MLNG 326	Spanish IV	06104
TPS/Foreign Lang: Intro to Brazilian Portuguese	MLNG 390	Foreign Language and Literature	06999
TPS/Foreign Language: Contemporary	MLNG 390	Germanic Language - Other	06249
Spanish Conversational Skills	MLNG 427	Spanish Conversation & Culture	06108
Spanish Conversation and Reading II	MLNG 430	Foreign Language and Literature-Other	06999
Listening to Music	MUS 161	Music-Other	05149
Applied Lessons II: Flute	MUS 236	Individual Technique - Instrumental Mu	05109
Applied Lessons II: Piano	MUS 244	Piano	05107
Applied Lessons II: Tuba	MUS 248	Individual Technique - Instrumental Mu	05109
Applied Lessons II: Violin	MUS 249	Individual Technique - Instrumental Mu	05109
Applied Lessons II: Voice	MUS 252	Individual Technique - Vocal Music	05112
Applied Lessons III: Voice	MUS 452	Individual Technique - Vocal Music	05112
Women's Chorale	MUS 332	Vocal Ensemble	05111
Brass Ensemble	MUS 345	Instrumental Ensembles	05106
Marching Band	MUS 601	Marching Band	05103
Symphonic Band/Wind Ensemble	MUS 602	Instrumental Ensembles	05106
Hays Symphony	MUS 603	Music-Other	05149
Critical Thinking	PHIL 100	Philosophy	04306
Introduction to Philosophy	PHIL 120	Philosophy	04306
Political Philosophy	PHIL 201	Particular Topics in Philosophy	04307
Introduction to Physics and Engineering	PHYS 100	Physical Science	03159
Physics I	PHYS 111	Physics	03151
Physics I Laboratory	PHYS 111L	Physical Lab	03151* or 03199
Engineering Physics I	PHYS 211	AP Physics C: Electricity & Magnetism	03163
Engineering Physics I Laboratory	PHYS 211 L	AP Physics C: Electricity & Magnetism Lab	03163* or 03199
Engineering Physics II	PHYS 212	AP Physics C: Mechanics	03164
Engineering Physics II Laboratory	PHYS 212 L	AP Physics C: Mechanics Lab	03164* or 03199
Scientific Computing and Productivity	PHYS 312	Particular Topics in Physics	03162
Modern Physics	PHYS 313	Particular Topics in Physics	03162
Analog and Digital Electronics	PHYS 332	Particular Topics in Physics	03162

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Introduction to Computational Physics	PHYS 333	Physics - Other	03199
Projects I	PHYS 603	**Research/Technical Writing	**01105
American Government	POLS 101	AP U.S. Government and Politics	04157
American Government CLEP	POLS 101	AP U.S. Government and Politics	04157
Introduction to Public Policy	POLS 180	Public Policy	015203
General Psychology	PSY 100	Psychology	04256
General Psychology CLEP	PSY 100	Psychology	04256
Abnormal Psychology	PSY 300	Psychology	04254
Introduction to Cognitive Psychology	PSY 334	Particular Topics in Psychology	04255
Independent Studies in Psych I	PSY 474	**Research/Technical Writing	**01105
Basic Sign Language	SLP 320	American Sign Language I	06801
Understanding Society: Introductory Sociology	SOC 140	Sociology	04258
Gender and Society	SOC 310	Particular Topics in Sociology	04529
Sociology of Sex Roles	SOC 343	Particular Topics in Sociology	04259
Sociology of Death and Dying	SOC 355	Particular Topics in Sociology	04259
Introduction to Welding	TECS 119	Welding	13207
Materials, Processes, and Production	TECS 218	Materials Science and Engineering	21252
Wood Processes	TECS 280	Wood Processing / Production	13054
Graphic Communication Techniques	TECS 312	Graphic Technology	11155
Introduction to Computer Aided Drafting	TECS 318	CAD Design and Software	21107
Machine Tool Operations	TECS 331	Machine Tool Technology II	39204
Robotics: Engineering Problem Solving	TECS 375	Robotics	21009
Prob/Tech Stud: Electric Vehicle App & Design	TECS 406	**Research/Technical Writing	**01105
Problems in Technology Studies	TECS 406	**Research/Technical Writing	**01105
Problems in Technology Studies: Robotics Research	TECS 406	Robotics	**21009
Construction Graphics	TECS 415	General Construction - Other	17049
Civil Drafting	TECS 445	Civil/Structural	21104
Foundations of Education	TEEL 202	Teaching as a Career	19155
Workshop in Education	TEEL 670	**Research/Technical Writing	**01105
Freshman Seminar: Junior Research Seminar	UNIV 101 Z17	Seminar	22106
*Because high school lab is usually part of the course, the course number could be the same; however, schools can use the "other" codes in order to distinguish the courses if so desired.			
**Research classes fall under English/Language Arts credits per FHSU.			
<p>Research and Writing: KAMS/AMS students will enroll in a Research and Writing course (GSCI 376) and three credit hours of research during the fall or spring semesters. The students in these courses will work on a research project facilitated by a mentor. KAMS/AMS students will be required to submit and present their research via a poster session or other communication format deemed appropriate by the mentor at a research forum. The forum, to be determined by the mentor, may be the Regional Science and Engineering Fair, the Regional Junior Academy of Sciences, and/or the FHSU Scholarly & Creative Activities Day poster presentations or another similar event, (i.e. Kansas Academy of Science meeting). These credit hours are transferred back to the sending school as English/Language Arts credits. https://www.fhsu.edu/kams/documents/24-25-kams-ams-handbook.pdf</p>			
https://www.fhsu.edu/kams/			
Course Schedule: https://webapps.fhsu.edu/semestercoursesearch			