MATCH COURSES TO YOUR CLUSTER

HHS offers a variety of different courses that will help to set you up for a successful future towards a career of your interest!
Match your career cluster to courses we offer now!

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Kansas leads the world in the success of each student.

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CTE

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FINAL INFO AND LINKS END

Kansans CAN
Kansas leads the world in the success of each student.

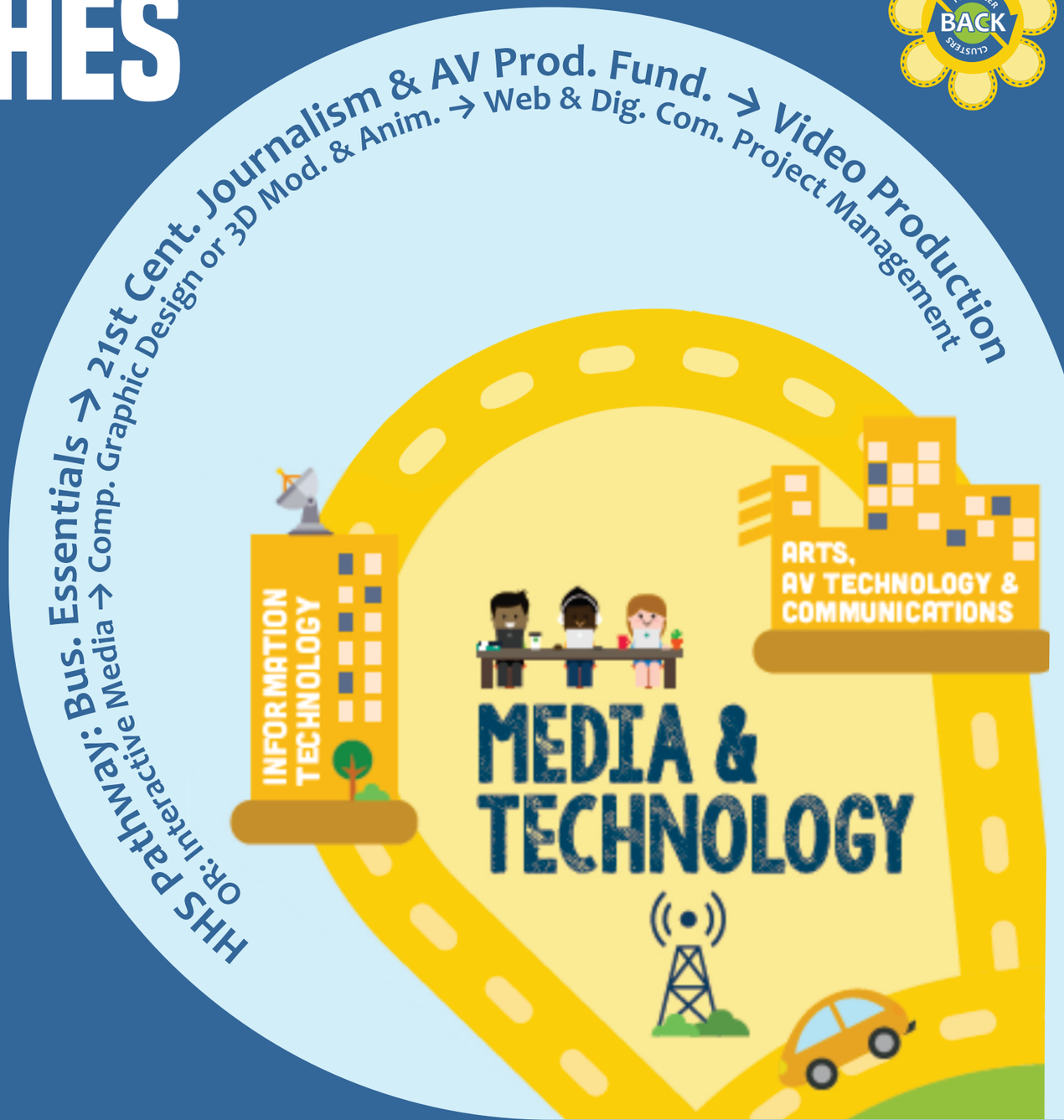
Learning that works for Kansas CTE

HHS COURSE MATCHES

- Business Essentials
- 21st Century Journalism
- Audio/Visual Production Fundamentals
- Video Production

- Yearbook

- Interactive Media
- Computer Graphic Design
- 3D Modeling & Animation
- Web & Digital Com. Project Management
- 3D Modeling & Animation



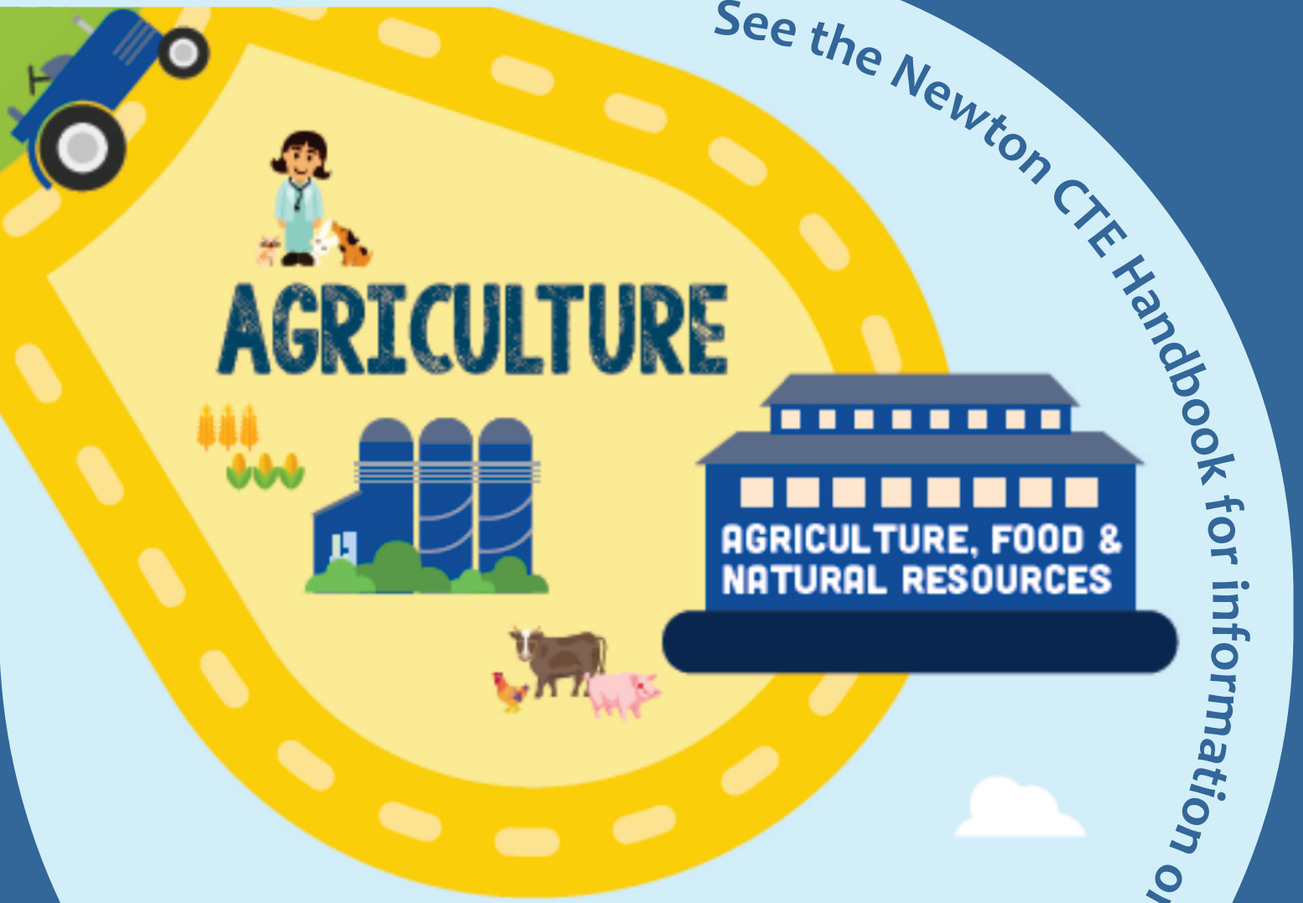
HHS COURSE MATCHES

- Human Growth & Development
- Nutrition & Wellness
- Personal Fitness
- Advanced Biology
- Introduction to Health Care
- Biology I
- Advanced Bio
- Anatomy & Physiology
- Geriatric Aide (CNA)
- Health Care Work Experience

- NCTE Co-Op: EMT, Health Science I & IV

HHS COURSE MATCHES

- Robotics
- Emerging Technologies
- Intro to Industrial Technology
- Woodworking Principles
- Furniture & Cabinetry Fabrication
- Comprehensive Workplace Experience in Architecture & Construction
- Areas of Study with NCTE Co-Op: Engineering, Auto Tech, Machining, Welding & More!



See the Newton CTE Handbook for information on theses agricultural courses

AG COURSES
through Newton CTE

- Tech Ag I
- Modern Ag Mechanics
- Pre-Vocational Welding
- Small Engine Repair
- Ag Power Mechanics
- Agribusiness
- Ag Equipment Construction
- Advanced Modern Ag Mechanics
- Plant & Animal Sciences
- Horticulture
- Animal Health & Vet Tech

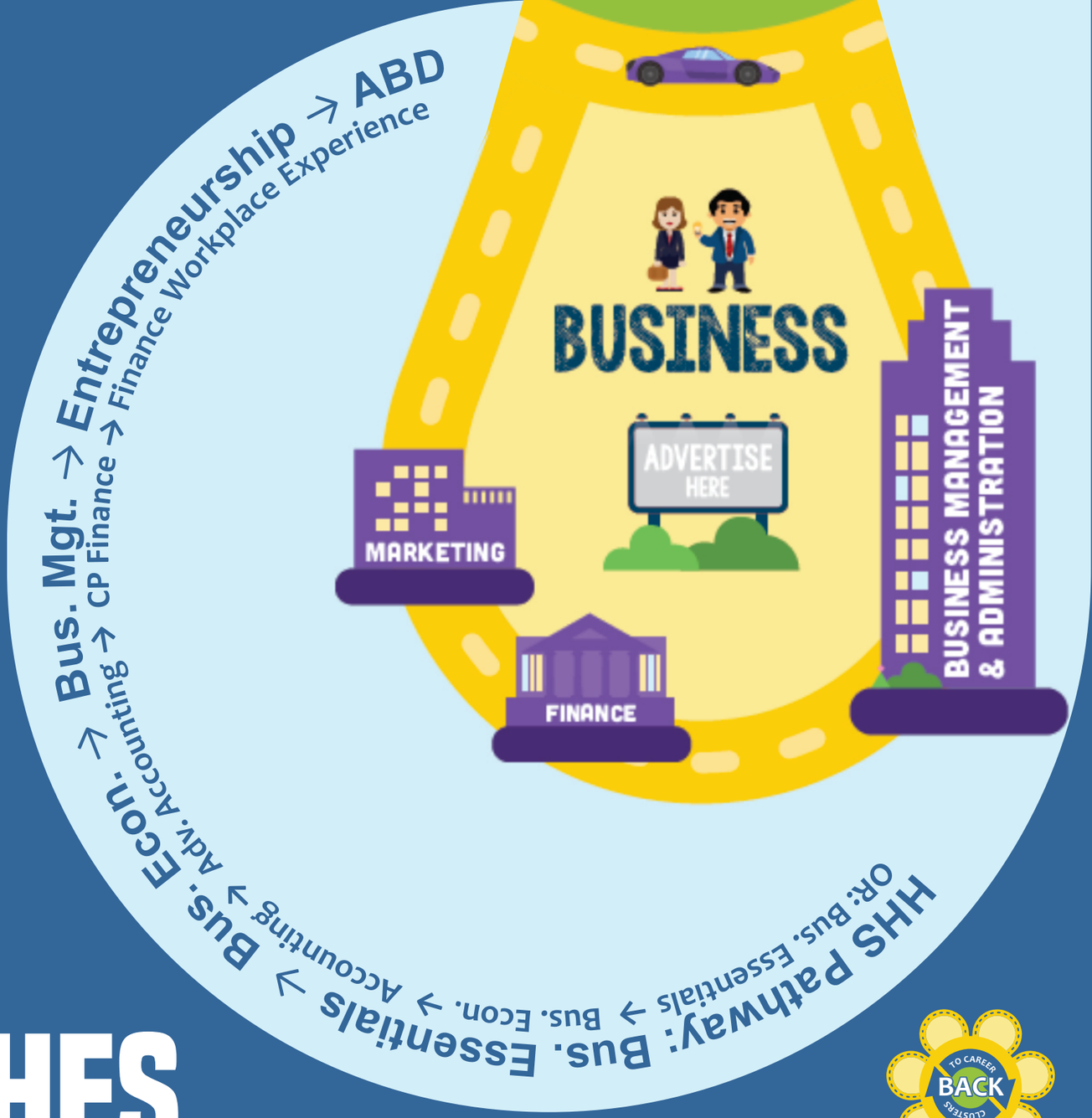
HHS COURSE MATCHES

BACK TO CAREER CLUSTERS

- Business Essentials
- Business Management
- Principles of Marketing
- Entrepre-neurship
- Applied Business Development

- Business Economics
- Consumer & Personal Finance

- Accounting I
- Advanced Accounting
- Finance Workplace Experience



HHS COURSE MATCHES

BACK TO CAREER CLUSTERS

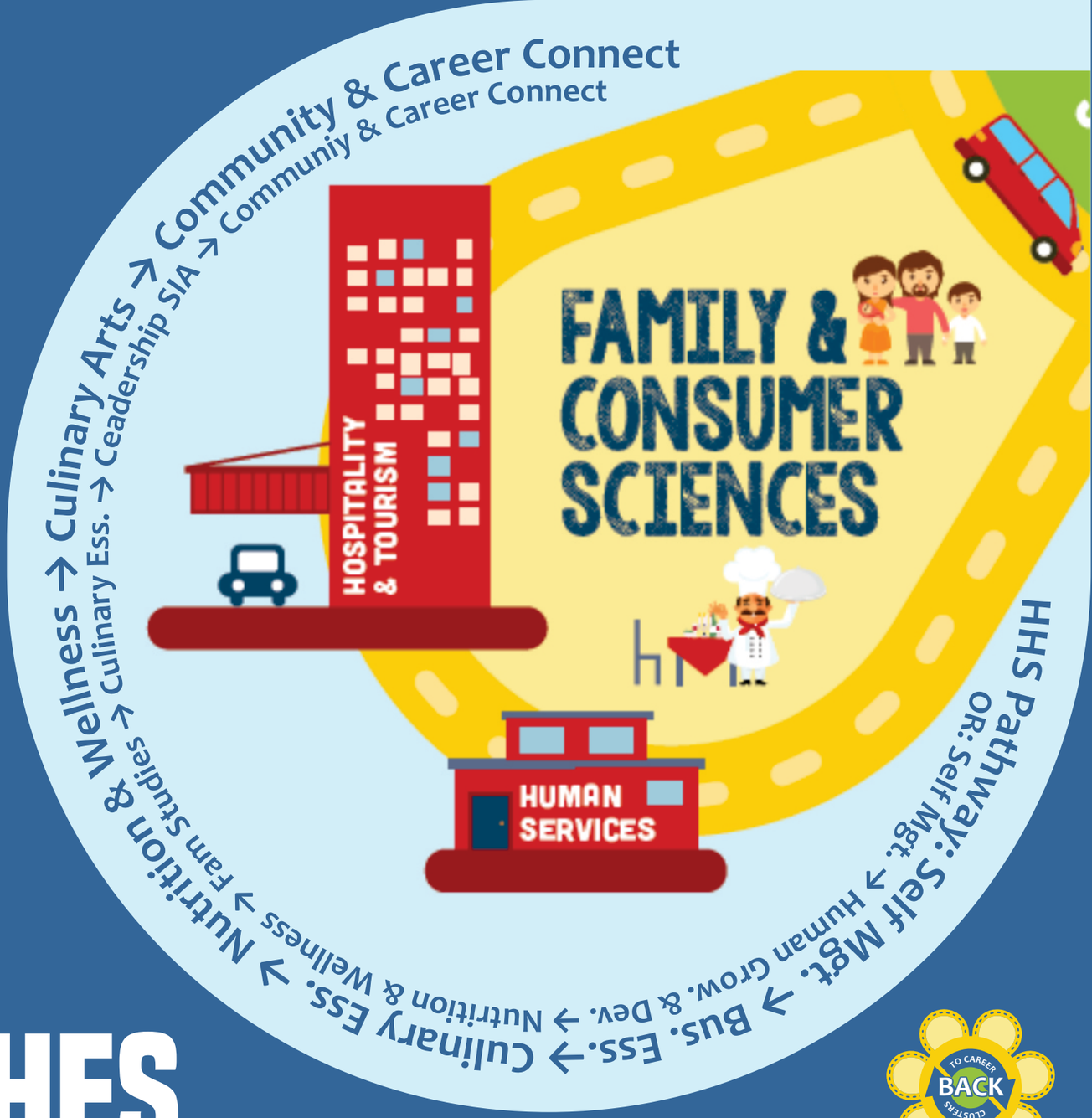
- Self Management
- Business Essentials
- Entrepreneurship
- Leadership Service in Action

- Consumer & Personal Finance
- General Psychology
- Fundamentals of Sociology
- Human Services Aide

- Culinary Essentials
- Culinary Arts
- Nutrition & Wellness
- Family Studies
- Human Growth & Development

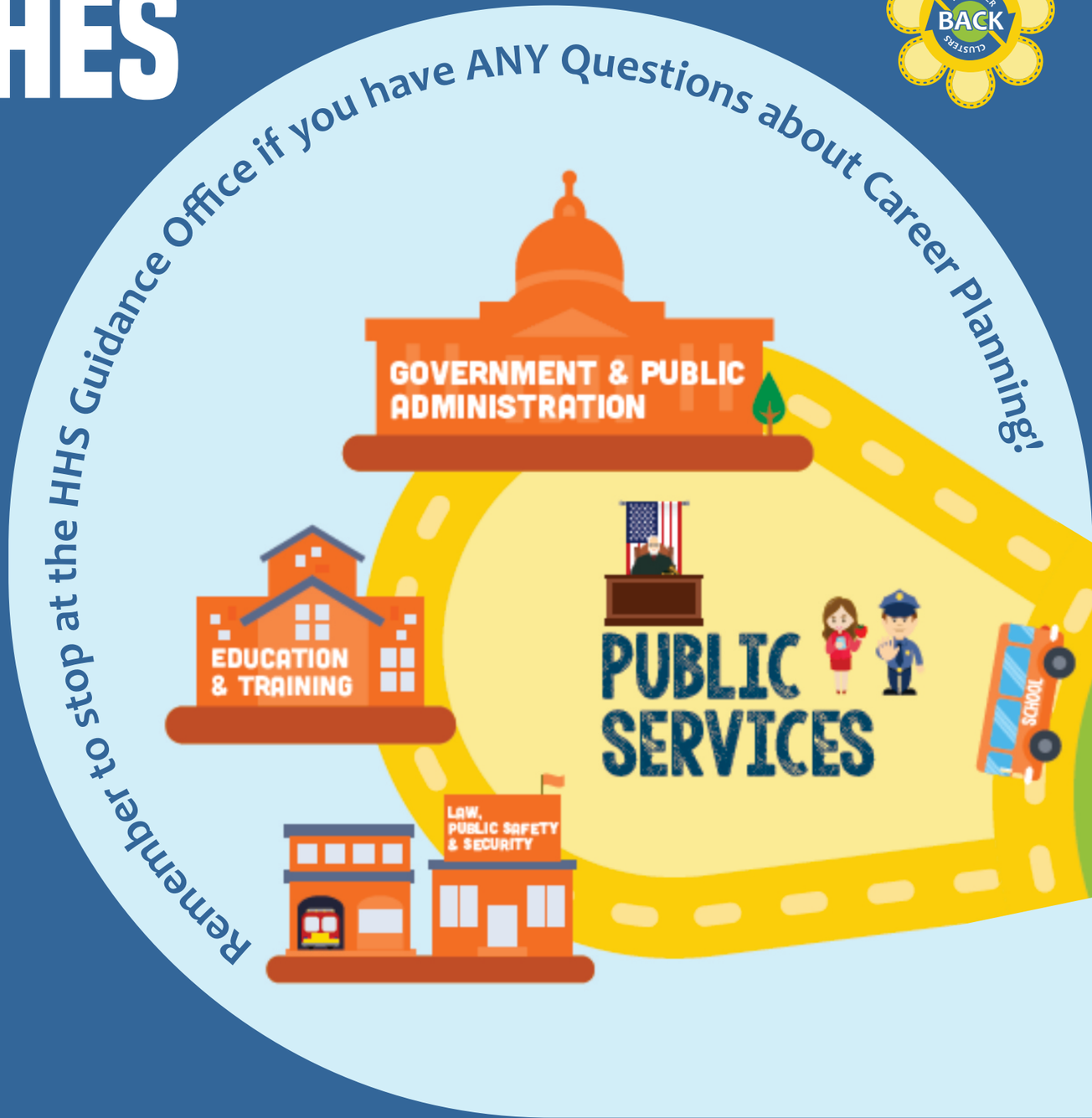
- Career Connections
- Community Connections

HHS COURSE MATCHES



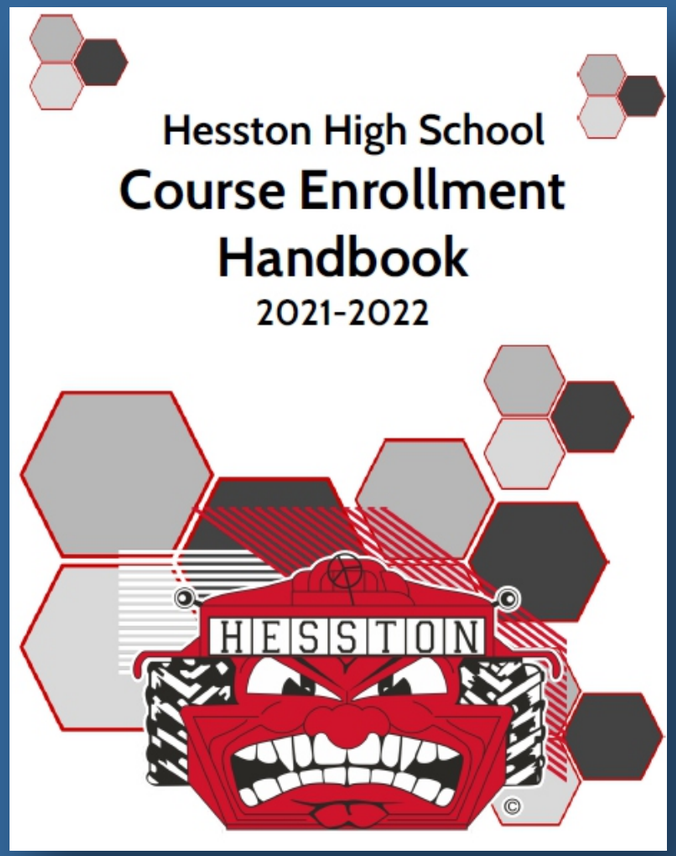
HHS COURSE MATCHES

- Modern US History
- (AP) American Government
- Leadership Service in Action
- Public Speaking
- Spanish I & II
- Advanced Spanish
- General Psychology
- Fundamentals of Sociology
- Human Services Aide
- Community Connections
- NCTE Co-Op: Fire Science I & II, EMT

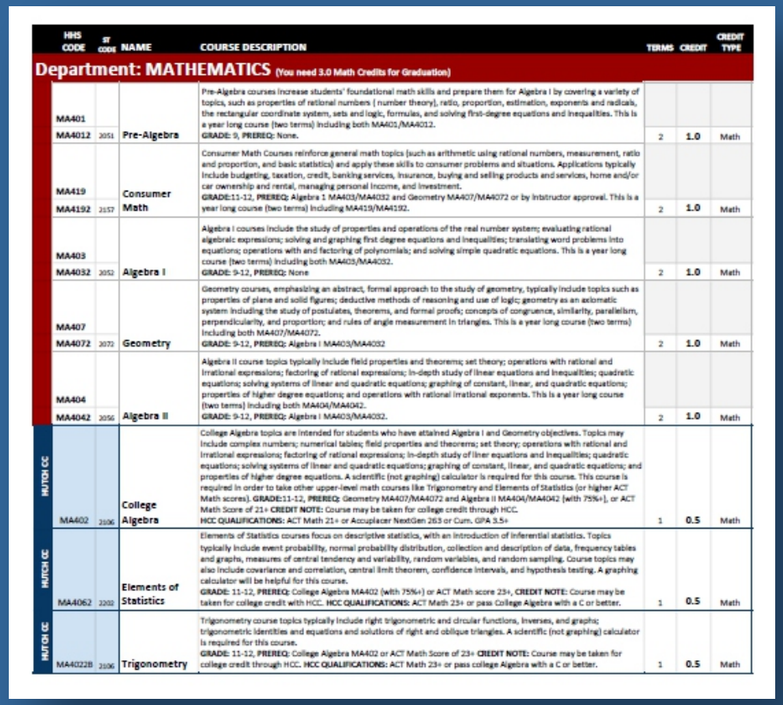


ONLINE DOCUMENTS TO HELP YOU CHOOSE COURSES YOU ARE INTERESTED IN:

HHS 2021-2022
Course Enrollment Handbook



HHS 2021-2022
Course Descriptions



	HHS CODE	ST CODE	NAME	COURSE DESCRIPTION	TERMS	CREDIT	CREDIT TYPE
Department: MATHEMATICS (You need 3.0 Math Credits for Graduation)							
	MA401			Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities. This is a year long course (two terms) including both MA401/MA4012.			
	MA4012	2051	Pre-Algebra	**GRADE:** 9, **PREREQ:** None.	2	1.0	Math
	MA419			Consumer Math Courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.			
	MA4192	2157	Consumer Math	**GRADE:**11-12, **PREREQ:** Algebra 1 MA403/MA4032 and Geometry MA407/MA4072 or by instructor approval. This is a year long course (two terms) including MA419/MA4192.	2	1.0	Math
	MA403			Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. This is a year long course (two terms) including both MA403/MA4032.			
	MA4032	2052	Algebra I	**GRADE:** 9-12, **PREREQ:** None	2	1.0	Math
	MA407			Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles. This is a year long course (two terms) including both MA407/MA4072.			
	MA4072	2072	Geometry	**GRADE:** 9-12, **PREREQ:** Algebra I MA403/MA4032	2	1.0	Math
	MA404			Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; In-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational irrational exponents. This is a year long course (two terms) including both MA404/MA4042.			
	MA4042	2056	Algebra II	**GRADE:** 9-12, **PREREQ:** Algebra I MA403/MA4032.	2	1.0	Math
HUTCH CC	MA402	2106	College Algebra	College Algebra topics are intended for students who have attained Algebra I and Geometry objectives. Topics may include complex numbers; numerical tables; field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; In-depth study of liner equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; and properties of higher degree equations. A scientific (not graphing) calculator is required for this course. This course is required in order to take other upper-level math courses like Trigonometry and Elements of Statistics (or higher ACT Math scores). **GRADE:**11-12, **PREREQ:** Geometry MA407/MA4072 and Algebra II MA404/MA4042 (with 75%+), or ACT Math Score of 21+ **CREDIT NOTE:** Course may be taken for college credit through HCC. **HCC QUALIFICATIONS:** ACT Math 21+ or Accuplacer NextGen 263 or Cum. GPA 3.5+	1	0.5	Math
HUTCH CC	MA4062	2202	Elements of Statistics	Elements of Statistics courses focus on descriptive statistics, with an introduction of inferential statistics. Topics typically include event probability, normal probability distribution, collection and description of data, frequency tables and graphs, measures of central tendency and variability, random variables, and random sampling. Course topics may also include covariance and correlation, central limit theorem, confidence intervals, and hypothesis testing. A graphing calculator will be helpful for this course. **GRADE:** 11-12, **PREREQ:** College Algebra MA402 (with 75%+) or ACT Math score 23+, **CREDIT NOTE:** Course may be taken for college credit with HCC. **HCC QUALIFICATIONS:** ACT Math 23+ or pass College Algebra with a C or better.	1	0.5	Math
HUTCH CC	MA4022B	2106	Trigonometry	Trigonometry course topics typically include right trigonometric and circular functions, Inverses, and graphs; trigonometric identities and equations and solutions of right and oblique triangles. A scientific (not graphing) calculator is required for this course. **GRADE:** 11-12, **PREREQ:** College Algebra MA402 or ACT Math Score of 23+ **CREDIT NOTE:** Course may be taken for college credit through HCC. **HCC QUALIFICATIONS:** ACT Math 23+ or pass college Algebra with a C or better.	1	0.5	Math

CONTACT US:
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