



Follow Your Passion

Eastern Carver County Schools High School Elective Courses

Areas of Interest frame elective choices

High schools across America have been challenged to better engage learners by making classes more relevant to their interests and aspirations. The Eastern Carver County Schools responded to this challenge by creating a framework for high school electives called “Areas of Interest.”

The areas are:

- ▶ Arts and Communication
- ▶ Global Studies
- ▶ Health and Social Sciences
- ▶ STEM – Science, Technology, Engineering, Math

Within each of these broad areas, students may choose a “Program of Study” that focuses and deepens learning in course work that speaks to a student’s individual interests and passions.

Students are not limited to one program of study; they may select electives within any of the four Areas of Interest. In addition, every student selects a sequence of courses in one Program of Study. **The course sequence must include at least:**

- ▶ An introductory course
- ▶ An intermediate course
- ▶ A Capstone course

This selection will become the basis for the Capstone course, which is a graduation requirement for the Class of 2013 and beyond. The Capstone course asks students to apply what they have learned in their Program of Study. A Capstone course is a required, authentic, learning experience and performance assessment. It allows a student to move from the world of theory to the world of practice by showcasing and extending the knowledge and skills developed in a Program of Study.

**District 112 Graduates:
Ready for Success in the 21st Century**

In its report, *Each Learner Prepared for Success*, the Secondary Redesign Committee noted the challenge for public education is to “prepare learners for success and meaningful contributions in a time we cannot even imagine clearly.” After reviewing research and discussing the enormous possibilities for change, the Committee declared the following Secondary Program Mission:

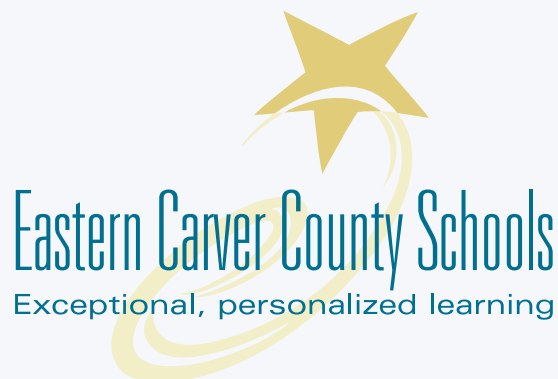
To prepare each learner for—

- ▶ Successful completion of a post-secondary educational program
 - ▶ Life-long learning
 - ▶ Career opportunities
 - ▶ Meaningful contributions as a citizen of the local and global community
- ...by providing personalized, rigorous, and relevant learning experiences.

This brochure addresses Areas of Interest/Programs of Study available to students at both Chanhassen High School and Chaska High School. For more information about Eastern Carver County’s Secondary Program, contact:

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Arts & Communication

Students focus on the creative process through a variety of mediums: visual, performance, music, drama, and written word. Electives provide opportunities to communicate ideas, interpret media, and develop methods of self-expression through project-based classes.

Programs of Study	Introductory Courses	Intermediate Courses	Capstone Courses	Other Advanced Courses
Media & Publications	<ul style="list-style-type: none"> • Intro to Print & Broadcast Journalism (.5 NP) 	<ul style="list-style-type: none"> • Art of Creative Writing (.5 NP) • Computer/TV Broadcast Productions 1 (.5 P) • Computer/TV Broadcast Productions 2 (.5 P) • Film Studies & Production (.5 NP) • Newspaper Production (.5 P) • Yearbook Production (1.0 P) 	<ul style="list-style-type: none"> • Publishing & Production (.5 P) • Media Practicum (.5 P) 	
Computer Technology	<ul style="list-style-type: none"> • Web Page Design Tools (.5 NP) 	<ul style="list-style-type: none"> • Programming (.5 P) 	<ul style="list-style-type: none"> • Publishing & Production (.5 P) • Computer Technology Practicum (.5 P) 	<ul style="list-style-type: none"> • A+ Certification Preparation 1-2 [CSEC] (.5 NP) • CISCO Networking Academy 1-4 [CSEC] (.5 NP)
Instrumental Music	<ul style="list-style-type: none"> • 9th Grade Band/Choir (1.0 P) • Concert Band (1.0 P) • String Orchestra (1.0 P) 	<ul style="list-style-type: none"> • Music Theory 1 (.5 P) • String Orchestra (1.0 P) • Varsity Band (1.0 P) • Symphonic Band (1.0 P) 	<ul style="list-style-type: none"> • String Orchestra (1.0 P) • Wind Symphony (1.0 P) 	<ul style="list-style-type: none"> • AP Music Theory (1.0 P)
Choral Music	<ul style="list-style-type: none"> • 9th Grade Band/Choir (1.0 P) • Freshmen Men's Chorale (1.0 NP) • Freshmen Women's Chorale (1.0 NP) 	<ul style="list-style-type: none"> • Music Theory 1 (.5 P) • Vivace (1.0 P) 	<ul style="list-style-type: none"> • Bel Canto (1.0 P) • Concert Choir (1.0 P) 	
Drama	<ul style="list-style-type: none"> • Dance (.5 NP) • Introduction to Theater (.5 NP) 	<ul style="list-style-type: none"> • Theater Arts (.5 P) 	<ul style="list-style-type: none"> • Advanced Theater Arts (.5 P) 	
Global Arts & Jewelry	<ul style="list-style-type: none"> • Global Arts & Jewelry 1 (.5 NP) 	<ul style="list-style-type: none"> • Global Arts & Jewelry 2 (.5 P) • Global Arts & Jewelry 3 (.5 P) 	<ul style="list-style-type: none"> • Advanced Studio Art 3D (.5 P) 	
Ceramics	<ul style="list-style-type: none"> • Ceramics 1 (.5 NP) 	<ul style="list-style-type: none"> • Ceramics 2 (.5 P) • Ceramics 3 (.5 P) 	<ul style="list-style-type: none"> • AP Studio Art: 3D Design (1.0 P) 	
Drawing & Painting	<ul style="list-style-type: none"> • Drawing & Painting 1 (.5 NP) 	<ul style="list-style-type: none"> • Drawing & Painting 2 (.5 P) • Drawing & Painting 3 (.5 P) 	<ul style="list-style-type: none"> • Advanced Studio Art 2D (.5 P) 	
Design & Digital Art	<ul style="list-style-type: none"> • Design & Digital Art 1 (.5 NP) 	<ul style="list-style-type: none"> • Design & Digital Art 2 (.5 P) • Design & Digital Art 3 (.5 P) • Fashion Design (.5 NP) • Housing & Interior Design (.5 NP) 	<ul style="list-style-type: none"> • AP Studio Art: 2D Design (1.0 P) 	

.5 = semester, 1.0 = full-year P = Prerequisite, NP = No prerequisite Check prerequisites listed in course descriptions

Possible Careers: Actor, Advertiser, Art Dealer, Art Historian, Art Teacher, Cartoonist, Cinematographer, Composer, Computer Engineer/ Programmer, Costume Designer, Director, Editor, Exhibit Designer, Film Animation Artist, Film Editor, Framer, Game Designer, Graphic Designer, Interior Designer, Illustrator, Instrument Repair, Jewelry Designer, Journalist, Lighting Designer, Music Teacher, Music Therapist, Musician, Network Specialist, Painter, Publisher, Producer, Radio & TV Announcer, Reporter, Sculptor, Set Designer, Software Engineer & Developer, Sound Engineer, Technical Support Specialist, TV Station Manager, Web Designer, Writer

Global Studies

Students focus on the interplay of people, systems, and cultures. Electives provide opportunities to explore the relationships between business, politics, and history, with an emphasis on world languages and cultures.

Programs of Study	Introductory Courses	Intermediate Courses	Capstone Courses	Other Advanced Courses
Business, Marketing & Finance	<ul style="list-style-type: none"> • Intro to Business (.5 NP) • Personal Finance (.5 NP) 	<ul style="list-style-type: none"> • Accounting 1 (.5 NP) • Accounting 2 (.5 P) • Marketing 1 (.5 NP) • Marketing Research (.5 P) • Investing Strategies (.5 NP) 	<ul style="list-style-type: none"> • International Business (.5 P) • Marketing Practicum (.5 P) 	<ul style="list-style-type: none"> • AP Accounting*
World Politics & History	<ul style="list-style-type: none"> • World History (This is a required course for all 9th grade students) 	<ul style="list-style-type: none"> • Emerging World (.5 NP) • Philosophy & Ethics (.5 NP) • Psychology (.5 NP) • Sociology (.5 NP) 	<ul style="list-style-type: none"> • 21st Century Global Issues (.5 P) 	<ul style="list-style-type: none"> • AP Comparative Government & Politics (.5 P) • AP European History (1.0 P) • MSU Psychology 101: Psychology (.5 P)
French	<ul style="list-style-type: none"> • French 1 (1.0 NP) 	<ul style="list-style-type: none"> • French 2 (1.0 P) • French 3 (1.0 P) 	<ul style="list-style-type: none"> • French 4 (1.0 P) 	<ul style="list-style-type: none"> • AP French Language (1.0 P)
Spanish	<ul style="list-style-type: none"> • Spanish 1 (1.0 NP) • Spanish for Native Speakers 1 (1.0 NP) 	<ul style="list-style-type: none"> • Spanish 2 (1.0 P) • Spanish 3 (1.0 P) • Spanish for Native Speakers 2 (1.0 P) 	<ul style="list-style-type: none"> • Spanish 4 (1.0 P) 	<ul style="list-style-type: none"> • AP Spanish Language (1.0 P)
German	<ul style="list-style-type: none"> • German 1 (1.0 NP) 	<ul style="list-style-type: none"> • German 2 (1.0 P) • German 3 (1.0 P) 	<ul style="list-style-type: none"> • AP German Language (1.0 P) 	<ul style="list-style-type: none"> • German 5 (1.0 P)
American Sign Language	<ul style="list-style-type: none"> • American Sign Language 1 (1.0 NP) 	<ul style="list-style-type: none"> • American Sign Language 2 (1.0 P) 	<ul style="list-style-type: none"> • American Sign Language 3 (1.0 P) • MSU American Sign Language (.5 P) 	
Mandarin Chinese	<ul style="list-style-type: none"> • Mandarin Chinese 1 (1.0 NP) 	<ul style="list-style-type: none"> • Mandarin Chinese 2 (1.0 P) • Mandarin Chinese 3 (1.0 P) 	<ul style="list-style-type: none"> • Mandarin Chinese 4 (1.0 P)* 	<ul style="list-style-type: none"> • AP Chinese Language & Culture (1.0 P)*

*Courses currently under development

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Possible Careers: Accountant, Actuary, Advertising, Ambassador, Anthropologist, Archaeologist, Art Historian, Auditor, Business Executive, Counselor, Customer Representative, Diplomat, Director of Tourism, E-Commerce, Entrepreneur, Financial Advisor/Analyst, Foreign Correspondent, Foreign Service Officer, Historian, Hospitality and Tourism Industry, Human Resources, Immigration Officer, International Business, Interpreter, Journalist, Judge, Law Enforcement, Lawyer, Manager, Marketing, Marketing Research Analyst, Military, Peace Corps/AmeriCorps Volunteer, Policy Advisor, Politician, Professor, Psychologist, Public Relations, Sales, Secret Service, Social Worker, Teacher, Writer

Health & Social Sciences

Students focus on understanding and serving people through medicine and the social sciences. Electives provide opportunities to explore the biomedical field, health careers, leadership, and the social/psychological needs and development of people.

Programs of Study	Introductory Courses	Intermediate Courses	Capstone Courses	Other Advanced Courses
Biomedical Science	<ul style="list-style-type: none"> Principles of Biomedical Sciences [PLTW] (1.0 NP) 	<ul style="list-style-type: none"> Human Body Systems [PLTW] (1.0 P) Medical Interventions [PLTW] (1.0 P) 	<ul style="list-style-type: none"> Biomedical Innovation [PLTW] (1.0 P)* Science Research (.5 P) 	
Health & Food Sciences	<ul style="list-style-type: none"> Nutrition & Foods (.5 NP) 	<ul style="list-style-type: none"> International Foods (.5 P) Introduction to Health Careers (.5 NP) Student Athletic Training (.5 P) 	<ul style="list-style-type: none"> Certifications in Health-Related Careers (.5 P) Food Science (.5 P) 	
Sport & Exercise Sciences	<ul style="list-style-type: none"> Leadership Training 1 (.5 NP) Strength & Performance 1 (.5 NP) 	<ul style="list-style-type: none"> Leadership Training 2 (.5 P) Strength & Performance 2 (.5 P) Student Athletic Training (.5 P) Team Sports (.5 P) 	<ul style="list-style-type: none"> Certifications in Health-Related Careers (.5 P) Sport & Fitness Management (.5 P) 	
Social Science	<ul style="list-style-type: none"> Child Development Theory 1 (.5 NP) 	<ul style="list-style-type: none"> Child Development Theory 2 (.5 P) Philosophy & Ethics (.5 NP) Psychology (.5 NP) Sociology (.5 NP) Teen Issues (.5 NP) 	<ul style="list-style-type: none"> Family Systems (.5 P) 	<ul style="list-style-type: none"> Criminal Justice 1-4 [CSEC] (.5 NP) MSU Psychology 101: Psychology (.5 P)

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Possible Careers: Administrator, Art Therapist, Athletic Trainer, Biochemist, Bioengineer, Child Care Provider, Clinical Psychologist, Community Service Director, Corrections Officer, Day-Care Facility Director, Dental Hygienist, Doctor, EMT/Paramedic Lab Technician, Geneticist, Home Health Aide, Licensed Practical Nurse, Medical Laboratory Technician, Nutritionist, Occupational Therapist, Pharmacist, Pharmacy Assistant, Physical Therapist, Physician Assistant, Principal, Psychologist, Radiologic Technician, Registered Nurse, School Counselor, School Psychologist, Social Worker, Speech Pathologist, Surgeon, Teacher, Toxicologist, Veterinarian

STEM

Science, Technology, Engineering, and Math

Students focus on investigation and application of science, technology, engineering, and math. Electives provide real-world, hands-on opportunities to explore elements of engineering, environmental, and research sciences.

Programs of Study	Introductory Courses	Intermediate Courses	Capstone Courses	Other Advanced Courses
Manufacturing	<ul style="list-style-type: none"> • Engineering Drafting (.5 NP) • Materials & Engineering Processes (.5 NP) 	<ul style="list-style-type: none"> • Computer Integrated Manufacturing [PLTW] (1.0 P) • Design & Fabrication of Metals 1 (.5 P) • Design & Fabrication of Metals 2 (.5 P) • Design & Fabrication of Woods 1 (.5 P) • Design & Fabrication of Woods 2 (.5 P) 	<ul style="list-style-type: none"> • Engineering Design & Development [PLTW] (1.0 P) • Product Design & Development (0.5 P) 	
Transportation Technology	<ul style="list-style-type: none"> • Power & Energy (.5 NP) 	<ul style="list-style-type: none"> • Aviation & Aerospace Engineering [PLTW] (1.0 NP) • Terrestrial Transportation Technology (.5 NP) 		<ul style="list-style-type: none"> • Automotive Technology 1-4 [CSEC] (.5 NP)
Engineering & Architecture	<ul style="list-style-type: none"> • Architectural Drafting (.5 NP) • Electronics (.5 NP) • Introduction to Engineering Design [PLTW] (1.0 NP) • Principles of Engineering [PLTW](1.0 NP) 	<ul style="list-style-type: none"> • Aviation & Aerospace Engineering [PLTW] (1.0 P) • Biotechnology Engineering [PLTW] (1.0 P) • Civil Engineering & Architecture [PLTW](1.0 NP) • Computer Integrated Manufacturing [PLTW] (1.0 P) • Digital Electronics [PLTW](1.0 P) • Housing & Interior Design (.5 NP) 		
Environmental & Research Sciences	<ul style="list-style-type: none"> • Intro to Environmental Science (.5 NP) 	<ul style="list-style-type: none"> • Biotechnical Engineering (PLTW) (1.0 P) • Global Climate Issues (.5 P) 	<ul style="list-style-type: none"> • Science Research (.5 P) 	<ul style="list-style-type: none"> • MSU College Math: Algebra 112 (.5 P) • AP Statistics (1.0 P) • AP Calculus AB (1.0 P) • AP Calculus BC (1.0 P) • AP Physics B (1.0 P) • AP Chemistry (1.0 P)

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Possible Careers: Actuary, Analytical Chemist, Assembler, Automotive Technician, Biomedical Engineer, Boilermaker, Chemical Engineer, Civil Engineer/Technician, Design Engineer, Environmental Engineer, Environmental Research Scientist, Foundry Worker, Freight, Industrial Machinery Mechanic, Inspector, Lab Technician, Logistician, Manufacturing Technician, Naturalist, Network Systems and Data Communications Analyst, Pattern and Model Maker, Physicist, Production Manager, Quality Control Technician, Researcher, Safety Engineer, SPC Coordinator, Stock and Material Mover, Tool and Die Maker, Wildlife Biologist