



The RCAS Academy model has been expanded to allow for greater flexibility, improved student experiences and enhanced career exploration. We now have **three (3) academies with nine (9) pathways**. The working group included the College & Career Readiness department staff, multiple representatives from the two comprehensive high schools, including teachers, and senior administration.



Our goal is to graduate all students with a plan after they leave high school whether it is entering the workforce, earning a certification, or entering postsecondary education

Academy of **Advanced Technology**



Business, Entrepreneurship, & Hospitality Pathway
Construction Pathway



Academy of **Arts, Humanities, & Human Services**



Human Services Pathway
Performing Arts Pathway
Visual Arts Pathway



The academy model now includes performing and visual arts

Academy of **STEM**



Agriculture, Food, & Natural Resources Pathway
Engineering Pathway
Healthcare Pathway
Information Technology Pathway



The academy no longer relies solely on CTE courses but includes a variety of courses to help prepare our students for life after high school

The academy model allows students to follow a path to graduation while experiencing hands-on, engaging educational experiences.





Academy of Advanced Technology

proudly supported by **ELEVATE** **Scull** **RAMA** **MONUMENT HEALTH**

Business, Entrepreneurship, & Hospitality Pathway



PATHWAY DESCRIPTION: The **Business, Entrepreneurship, and Hospitality Pathway** will allow students to explore business ownership, entrepreneurial endeavors, hotel & restaurant management, and gain the skills to confidently pursue their personal and professional career goals.

RECOMMENDED PROGRAMS OF STUDY

	<i>Explore</i>	<i>Engage</i>	<i>Experience</i>	
	9th Grade	10th Grade	11th Grade	12th Grade
	.5 credit	1 credit	1 credit minimum	
Academy & Pathway Courses (2.5 credits)	Freshman Seminar	Introduction to Business, Entrepreneurship & Hospitality ² & Introduction to Business, Entrepreneurship & Hospitality 2 ²	Advanced Computer Applications ³ Advanced Photography AP Calculus AP Statistics Beginning Photography Business Economics Business Law Capstone Experience (5 options) Culinary Arts 1 ⁴ Graphic Design ¹ 1 & 2 Marketing Principles Media Production Personal Finance Pre-Calculus Probability & Statistics Transition to College Math	
	<i>*Discuss potential dual credit opportunities with your counselor.</i>			
GRADtime (1 credit)	.25 credit	.25 credit	.25 credit	.25 credit
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

CAREER AND TECHNICAL STUDENT ORGANIZATION: Future Business Leaders of America (FBLA)

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
¹ Adobe ESB ² ESB ³ Microsoft Office ⁴ ServSafe	Bookkeeping & Auditing Clerk Office Clerk Customer Service Representative Travel Agent Chef	Compliance Manager First-Line Supervisors of Office & Administrative Support Worker Regulatory Affairs Manager Human Resource Specialist Training & Development Manager	Investment Fund Manager Economist

Find out more about all our pathway programs at: rcas.org/rcasacademies

Please Note: Courses may only be counted toward one credit type, for example: Beginning Photography can be counted as a Fine Arts credit or an Academy credit, not both.




PATHWAY DESCRIPTION: The **Construction Pathway** will expose students to a variety of construction industries, careers, trades, and skills. Students will experience hands-on learning using high quality technology and equipment.

RECOMMENDED PROGRAMS OF STUDY

	Explore 9 th Grade	Engage 10 th Grade	Experience	
			11 th Grade	12 th Grade
	.5 credit	1 credit	1 credit minimum	
Academy & Pathway Courses (2.5 credits)	Freshman Seminar	Introduction to Construction & Technical Trades & Introduction to Construction & Technical Trades 2	Advanced Stagecraft (hosted at CHS) AP Calculus CADD Capstone Experience (5 options) Pre-Calculus Stagecraft	
			<i>*Discuss potential dual credit opportunities with your counselor.</i>	
GRADtime (1 credit)	.25 credit GRADtime 9	.25 credit GRADtime 10	.25 credit GRADtime 11	.25 credit GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
Construction Laborer 	Commercial Driver Derrick Operator, Oil & Gas Tile & Stone Setter Automotive Service Technician & Mechanic	Construction Manager	Architect

Find out more about all our pathway programs at: rcas.org/rcasacademies

Please Note: Courses may only be counted toward one credit type, for example: AP Calculus can be counted as a Math credit or an Academy credit, not both.




PATHWAY DESCRIPTION: The **Human Services Pathway** will build the foundational skills and knowledge for aspiring educators, expose students to knowledge and experiences in understanding human development and behavior, and allow students to explore career opportunities in the areas of public safety, law, military, and government & public policy.

RECOMMENDED PROGRAMS OF STUDY

	<i>Explore</i>	<i>Engage</i>	<i>Experience</i>	
	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	.5 credit	1 credit	1 credit minimum	
Academy & Pathway Courses (2.5 credits)	Freshman Seminar	Introduction to Human Services & Education ¹ & Introduction to Human Services & Education 2 or ROTC 1 ¹ or ROTC 2 ¹ (hosted at CHS)	AP Psychology (hosted at SHS) AP Statistics AP US Government Business Law Capstone Experience (5 options) Debate Education as a Profession German 2-4 Human Development 1 Human Development 2 Lakota 2 (hosted at CHS) Native American Heritage (hosted at SHS) Probability & Statistics Psychology ROTC 2-4 (hosted at CHS) Spanish 2-4 Transition to College Math	
	<i>*Discuss potential dual credit opportunities with your counselor.</i>			
GRADtime (1 credit)	.25 credit	.25 credit	.25 credit	.25 credit
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

CAREER AND TECHNICAL STUDENT ORGANIZATION: Educators Rising

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
¹ CPR ¹ First Aid 	Supervisor of Personal Care Worker Spa Manager • Childcare Worker Security Guard • Funeral Attendant	Credit Counselor • Teacher Rehabilitation Counselor Paralegal & Legal Assistant	Clinical & Counseling Psychologist Postsecondary Professor Lawyer • Counselor Marriage & Family Therapist

Find out more about all our pathway programs at: rcas.org/rcasacademies



PATHWAY DESCRIPTION: The Performing Arts Pathway will provide students with the opportunity to develop ideas and skills through a creative process. The Performing Arts Pathway will engage individuals with the knowledge, skills, confidence, and experience to pursue a lifetime of participation, enjoyment and appreciation of Performing Arts.

RECOMMENDED PROGRAMS OF STUDY

	Explore 9 th Grade	Engage 10 th Grade	Experience	
			11 th Grade	12 th Grade
Academy & Pathway Courses (2.5 credits)	.5 credit	1 credit	1 credit minimum	
	Freshman Seminar	10 th Grade Band Courses 10 th Grade Choir Courses 10 th Grade Orchestra Courses Debate Drama 1-3 Stagecraft	11 th -12 th Grade Band Courses 11 th -12 th Grade Choir Courses 11 th -12 th Grade Orchestra Courses Advanced Stagecraft (<i>hosted at CHS</i>) Capstone Experience (5 options) Drama 4 Media Production	
	<i>*Discuss potential dual credit opportunities with your counselor.</i>			
GRADtime (1 credit)	.25 credit	.25 credit	.25 credit	.25 credit
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
	Dancer Actor	Agent/Business Manager Choreographer Media Programming Director Costume Attendant	Set & Exhibit Director

Find out more about all our pathway programs at: rcas.org/rcasacademies



Academy of Arts, Humanities, & Human Services

proudly supported by **ELEVATE** **Scull** **RAMA** **MONUMENT HEALTH**

Visual Arts Pathway



PATHWAY DESCRIPTION: The **Visual Arts Pathway** will allow students to explore topics in the areas of graphic design, web print, animation, media, and marketing, with an opportunity to discover, develop, and actualize their unique potential. The Visual Arts Pathway will assist students in providing meaningful learning opportunities and the development of critical and creative thinking with relevant hands-on learning.

RECOMMENDED PROGRAMS OF STUDY

	Explore 9 th Grade	Engage 10 th Grade	Experience	
			11 th Grade	12 th Grade
Academy & Pathway Courses (2.5 credits)	.5 credit	1 credit	1 credit minimum	
	Freshman Seminar	Introduction to Computer Arts & Choose 1 of the following: Advanced Clay Basic Drawing 1 & 2 Beginning Photography Clay Construction & Design Crafts Graphic Design 1 ¹ Journalistic Design (hosted at SHS) Native American Arts Web Development	Advanced Art Advanced Photography Capstone Experience (5 options) Graphic Design 2 ¹ Media Production Painting (hosted at CHS)	
GRADtime (1 credit)	.25 credit	.25 credit	.25 credit	.25 credit
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

**Discuss potential dual credit opportunities with your counselor.*

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
¹ Adobe	Craft Artist Fashion Designer	Art Director Graphic Designer Special Effects Artist	Set & Exhibit Designer Curator Art Therapist

Find out more about all our pathway programs at: rcas.org/rcasacademies



PATHWAY DESCRIPTION: The **Agriculture, Food, & Natural Resources Pathway** students will examine the science of natural resources, develop a variety of opinions, and participate in a variety of field experiences. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems.

RECOMMENDED PROGRAMS OF STUDY

	Explore 9 th Grade	Engage 10 th Grade	Experience	
			11 th Grade	12 th Grade
	.5 credit	1 credit	1 credit minimum	
Academy & Pathway Courses (2.5 credits)	Freshman Seminar <i>Ag Leadership (required for FFA membership)</i>	Introduction to Agriculture, Food, & Natural Resources & Introduction to Agriculture, Food, & Natural Resources 2	Advanced Animal Science (Veterinary) ¹ Animal Science ² AP Chemistry AP Statistics Capstone Experience (5 options) Environmental Science 1 & 2 Marketing Principles Microbiology Organic Chemistry Probability & Statistics Transition to College Math Natural Resources	
			<i>*Discuss potential dual credit opportunities with your counselor.</i>	
GRADtime (1 credit)	.25 credit	.25 credit	.25 credit	.25 credit
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

CAREER AND TECHNICAL STUDENT ORGANIZATION: FFA

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
¹ Veterinary Assistant ² Youth Quality Care Assurance 	Agricultural Technician Farm Laborer Animal Caretaker Agricultural Equipment Operator Animal Trainer	Biological Technician Agricultural Engineer Conservation Scientist Forester Precision Agriculture Technician	Animal Scientist Agricultural Technician Biological Technician Soil & Plant Scientist

Find out more about all our pathway programs at: rcas.org/rcasacademies



PATHWAY DESCRIPTION: The **Engineering Pathway** will allow students the opportunity to participate in project-based learning focused on creativity and problem solving as it relates to a successful career in the engineering and manufacturing industries. Students will focus on integration of math and science concepts to enhance their understanding of designing solutions to proposed problems.

RECOMMENDED PROGRAMS OF STUDY

	Explore 9 th Grade	Engage 10 th Grade	Experience	
			11 th Grade	12 th Grade
Academy & Pathway Courses (2.5 credits)	.5 credit	1 credit	1 credit minimum	
	Freshman Seminar	Introduction to Engineering & Manufacturing & Introduction to Engineering & Manufacturing 2	AP Calculus AP Chemistry AP Computer Science A (Java) AP Computer Science Principles AP Physics 1, 2 & C: Mechanics AP Statistics CADD Capstone Experience (5 options) Computer Science (Python) Physics Probability & Statistics	
GRADtime (1 credit)	.25 credit	.25 credit	.25 credit	.25 credit
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

**Discuss potential dual credit opportunities with your counselor.*

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
	Engineering & Operation Technologist or Technician	Chemical Engineer Bioengineer Industrial Engineer	Biophysicist Electrical Engineer

Find out more about all our pathway programs at: rcas.org/rcasacademies



PATHWAY DESCRIPTION: The **Healthcare Pathway** will build the foundational skills and knowledge students need for a successful career in various healthcare fields.

RECOMMENDED PROGRAMS OF STUDY

	<i>Explore</i>	<i>Engage</i>	<i>Experience</i>	
	9th Grade	10th Grade	11th Grade	12th Grade
Academy & Pathway Courses (2.5 credits)	<i>.5 credit</i>	<i>1 credit</i>	<i>1 credit minimum</i>	
	Freshman Seminar	Introduction to Health Services ¹ & Introduction to Health Services 2 ¹	Advanced Animal Science (Veterinary) Anatomy & Physiology 1 & 2 AP Calculus AP Chemistry AP Physics 1, 2 & C: Mechanics AP Psychology AP Statistics BioMed 1 & 2 Capstone Experience (5 options) Environmental Science 1 & 2 Introduction to Organic Chemistry Microbiology Physics Probability & Statistics Psychology	
GRADtime (1 credit)	<i>.25 credit</i>	<i>.25 credit</i>	<i>.25 credit</i>	<i>.25 credit</i>
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

**Discuss potential dual credit opportunities with your counselor.*

CAREER AND TECHNICAL STUDENT ORGANIZATION: Health Occupations Students of America (HOSA)

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
¹ CPR ¹ First Aid ¹ Stop the Bleed 	Diagnostic Medical Sonographer Medical Secretary Phlebotomist Dental Hygienist	Medical & Health Services Manager Athletic Trainer Respiratory Therapist Acute Care Nurse	Medical Scientist Epidemiologist Audiologist Physical Therapist

Find out more about all our pathway programs at: rcas.org/rcasacademies





PATHWAY DESCRIPTION: The **Information Technology Pathway** will give students hands-on experience in the core concept areas of computer programming, networking, and cybersecurity.

RECOMMENDED PROGRAMS OF STUDY

	Explore 9 th Grade	Engage 10 th Grade	Experience	
			11 th Grade	12 th Grade
	.5 credit	1 credit	1 credit minimum	
Academy & Pathway Courses (2.5 credits)	Freshman Seminar	Introduction to Technology & Web Development ²	Advanced Computer Applications ¹ AP Computer Science A (Java) AP Computer Science Principles Capstone Experience (5 options) Computer Science (Python)	
			<i>*Discuss potential dual credit opportunities with your counselor.</i>	
GRADtime (1 credit)	.25 credit	.25 credit	.25 credit	.25 credit
	GRADtime 9	GRADtime 10	GRADtime 11	GRADtime 12
Experiential Learning	Freshman Expo	Guest Speakers Industry Tours	Grade 11	Grade 12
			Guest Speakers Industry Tours Capstone Experiences Postsecondary Exploration	Capstone Experiences Postsecondary Exploration

COLLEGE & CAREER PATHS

Industry Certifications	Associate Degree	Bachelor's Degree	Advanced Degree
¹ Microsoft Office ² Adobe  	Web Developer Search Marketing Specialist Information Technology Project Manager	Software Developer Video Game Designer Web Administrator	Computer & Information Research Scientist Business Intelligence Analyst Document Management Strategist

Find out more about all our pathway programs at: rcas.org/rcasacademies

Please Note: Courses may only be counted toward one credit type, for example:
Advanced Computer Applications can be counted as an Elective credit or an Academy credit, not both.