

Agricultural Education Cluster

Animal Sciences-KHS Career Pathway
Agricultural Engineering-KHS Career Pathway
Environmental Science-KHS Career Pathway
Aquaculture-KHS Career Pathway
Plant Science-College Career Pathway

Career Pathway: Animal Science
Career Cluster: Agricultural Education

To complete the Animal Science Career Pathway, students must complete all of the required courses within Section 1. In section 2, you will find additional courses chosen by the instructor to enhance the knowledge and skills within this Career Pathway.

Section 1 - Required Courses	Credits Earned at KHS
Agricultural Education 1	1
Animal Science 2	2
Animal Science 3	1
Animal Science 4	1
Ag Seminar for Juniors	1
Ag Seminar for Seniors	1
Section 2 - Additional Suggested Courses	Credits Earned at KHS
UConn ECE Intro to Companion Animals	3 UConn Credits
Chemistry	1
Anatomy & Physiology	1
Marketing	1
Entrepreneurship	.5
Business Management	1

Instructor: Bonnie Kegler

This career Pathway could lead to one of the following careers: Production Agriculturalist, Veterinary Technician, Ag Sales, Dog Groomer, Farm Credit, Milk Tester, Kennel Operator, Animal Health Researcher, Stable Manager, Ag Extension, Pet Store Manager, Animal Genetics, Ag Education, Poultry Management, Animal Nutritionist, and Food Processor.

Career Pathway: Agricultural Engineering
Career Cluster: Agricultural Education

To complete the Agricultural Engineering Career Pathway, students must complete all of the required courses within Section 1. In section 2, you will find additional courses chosen by the instructor to enhance the knowledge and skills within this Career Pathway.

Section 1 - Required Courses	Credits Earned at KHS
Agricultural Education 1	1
Ag Engineering 2	2
Ag Engineering 3	1
Ag Engineering 4	1
Ag Seminar for Juniors	1
Ag Seminar for Seniors	1
Section 2 - Additional Suggested Courses	Credits Earned at KHS
Applications in Ag Mechanics Seminar	1
Ag Mechanics Seminar	1
Fundamentals of Technology	1
Economics	1
Algebra	1
Marketing	1

Instructor: Kenneth Couture

This Career Pathway could lead to one of the following careers: Welder, Parts Salesperson, Builder, Surveyor, Harvester, Equipment Operator, Landscaper, Plumber, Equipment Salesperson, Truck Driver, Mechanic, Small Gas Engine Repair, Electrician, Farmer, and Tool Salesperson.

Career Pathway: Environmental Science
Career Cluster: Agricultural Education

To complete the Environmental Science Career Pathway, students must complete all of the required courses within Section 1. In section 2, you will find additional courses chosen by the instructor to enhance the knowledge and skills within this Career Pathway.

Section 1 - Required Courses	Credits Earned at KHS
Agricultural Education 1	1
Environmental Science and Aquaculture 2	2
Environmental Science and Aquaculture 3	1
Environmental Science and Aquaculture 4: NRME 1000: Introduction to Environmental Science	1 UConn Credits - 3
Ag Seminar for Juniors	1
Ag Seminar for Seniors	1
Section 2 - Additional Suggested Courses	Credits Earned at KHS
Biology	1
Chemistry	1
AP Environmental Science and/or AP Biology	1
Ag Seminar: Forestry Science	1
Ag Seminar: Aquaculture Science	1
Business Management	1

Instructor: Courtney Cardinal

This Career Pathway could lead to one of the following careers: Forester, Outdoor Recreation, Conservation Law Officer, Soil Scientist, Wildlife Biologist, Conservational Educator, Lab Technician, GIS Mapping Specialist, Environmental Journalist, Park Ranger, Zoo Worker, and Extension Service Specialist.

Career Pathway: Aquaculture
Career Cluster: Agricultural Education

To complete the Aquaculture College Career Pathway, students must complete all of the required courses within Section 1. In section 2, you will find additional courses chosen by the instructor to enhance the knowledge and skills within this Career Pathway.

Section 1 - Required Courses	Credits Earned at KHS
Agricultural Education 1	1
Environmental Science and Aquaculture 2	2
Environmental Science and Aquaculture 3	1
Ag Seminar: Aquaculture Science	1
Section 2 - Additional Suggested Courses	Credits Earned at KHS
Biology	1
Chemistry	1
AP Environmental Science and/or AP Biology	1
Ag Seminars in Agriculture Mechanics	1
Business Management	1
Additional Courses in Construction, Engineering or Design	

Instructor: Courtney Cardinal

This Career Pathway could lead to one of the following careers: Marine Biologist, Aquarist, Conservation Law Officer, Tropical Fish Breeder, Hydrologist, Fish Farmer, Conservation Educator, Lab Technician, Fisheries Specialist, Aquarium Worker, and Extension Service Specialist.

Career Pathway: Plant Science
Career Cluster: Agricultural Education

To complete the Plant Science Career Pathway, students must complete all of the required courses within Section 1. Section 2 identifies the college courses in this pathway.

In section 3, you will find additional courses chosen by the instructor to enhance the knowledge and skills within this Career Pathway.

Section 1 - Required Courses	Credits Earned at KHS
Agricultural Education 1	1
Plant Science 2	2
Plant Science 3	1
Plant Science 4	1
Ag Seminar for Juniors	1
Ag Seminar for Seniors	1
Section 2 - UConn ECE Courses	Credits Earned at UConn
ECE Introduction to Horticulture (Plant Science 2)	3
ECE Floral Design (Plant Science 3)	2
ECE Advanced Floral Design (Plant Science 4)	3
Section 3 - Additional Suggested Courses	Credits Earned at KHS
Agricultural Technology and Society	1
Landscape Design Seminar	1
Biology	1
Business Management	1
Earth Science	1

Instructor: Beth Knowlton

This Career Pathway could lead to one of the following careers: Floral Designer, Landscape Designer, Turf Grass Manager, Landscape Architect, Agricultural Education Teacher, Florist, Botanist, Entomologist, Geneticist, Christmas Tree Farmer, Greenhouse Manager, Vegetable Gardener, and Soil Scientist.

Arts and Communication Career Cluster

Fine Arts-KHS Career Pathway
Graphic Design-College Career Pathway
Graphic Design-KHS Career Pathway
Performing Arts - Music-KHS Career Pathway
Photography-KHS Career Pathway
Performing Arts - Theatre Arts-KHSCareer Pathway
Journalism-KHS Career Pathway
Broadcast Television-KHS Career Pathway
Film Production-KHS Career Pathway

Career Pathway: **Fine Arts**

Career Cluster: **Arts and Communication**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Art Exploration	.5
Sculpture 1	.5
Drawing 1	.5
Drawing 2 or Painting 1	.5
Section 2 - Additional Courses to complete Pathway	Credits Earned KHS
Graphic Design 1	.5
Graphic Design 2	.5
Painting 1	.5
Digital Photography 1	.5
Digital Photography 2	.5
Sculpture 2	.5
Craft Arts	.5
Digital Imaging	.5
Painting 2	.5
Section 3 - Courses to complete an Advanced Pathway	Credits Earned at KHS

Instructor: Beth Tippett

This Career Pathway could lead to one of the following careers: Art Educator, Art Historian, Art Therapist, Art & Culture Program Director, Billboard Artist, Digital Imager, Exhibiting Artist, Gallery Curator, Muralist, Museum Curator, Portrait Artist, Poster Artist, Printmaker, Scenic Artist, Sculptor, Set Designer, and Textile Artist

Career Pathway: **Graphic Design**

Career Cluster: **Arts and Communication**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2. *KHS Advanced Pathway:* If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Graphic Design 1	.5
Graphic Design 2	.5
Digital Imaging	.5
Drawing 1 or Digital Photography 1	.5
Section 2 - Additional Courses to complete Pathway	Credits Earned KHS
Digital Marketing 1	1
Fundamentals of Drawing	.5
Advanced Drawing	.5
Digital Photography 1	.5
Digital Photography 2	.5
Digital Photography 3	.5
Introduction to Studio Production	.5
Painting 2	.5
Introduction to Programming	1

Instructor: Jamie Carver

This Career Pathway could lead to one of the following careers: Advertising Designer/Director, Layout Artist, Brand Identify Designer, Logo Designer, Package Designer, Fashion Designer, Graphic Designer, Merchandiser, Marketing Consultant, Medical Illustration, Toy Designer, Special Effects, Video Game Design, Interior/Exterior Designer, Furniture Design, Promotional Designer, Freelance Designer, Exhibit Designer, Web Designer, Multimedia Interactive Designer, Photo/Editing Repair, Animation 3D Design, Illustrator, Creative Art Director, Industrial Designer, Corporate/In-house Designer,

and Graphic Designer for Film/TV.

Career Pathway: **Performing Arts - Music**

Career Cluster: **Arts and Communication**

KHS Career Pathway: Students must earn a total of 5.5 credits, combining 4.0 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Symphonic Winds/Percussion Ensemble – Must take 4 years OR Concert Choir/Chamber Choir – Must Take 4 years	1 credit/year = 4 Credits 1 credit/year = 4 Credits
Section 2 - Additional Courses	Credits Earned at KHS
Beginner Guitar	.5
History of Popular Music	.5
Intermediate/Advanced Guitar	.5
Introduction to Music Theory	.5
Marching Band	.5
Music Technology I	.5
Music Technology II	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
AP Music Theory	1.0

Instructors: Mike Carnaroli and Jeff Ethier

This Career Pathway could lead to one of the following careers: Professional Vocalist, Professional Instrumentalist, Pre-K – 8 Music Educator, 9-12 Music Educator, Collegiate Music Educator, Music Therapist, Music Journalist/Writer, Lobbyist, Music Historian/Theorist, Composer/Arranger, Copyist/Score Preparer, Music/Arts

Management, Music Business, Song Writer, Recording Engineer, Conductor, Private Music Instructor, and Music Librarian.

Career Pathway: **Photography**

Career Cluster: Arts and Communication Cluster

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Digital Photography 1	.5
Digital Photography 2	.5
Digital Photography 3	.5
Digital Imaging	.5
Section 2 - Additional Courses to complete Pathway	Credits Earned KHS
Graphic Design 1	.5
Graphic Design 2	.5
Journalism 1	1
Introduction to Studio Production	.5
Business Management	1
Art Exploration	.5
Section 3 - Courses to complete an Advanced Pathway	Credits Earned at KHS

Instructor: Danica Pellissier

This Career Pathway could lead to one of the following careers: Action Photographer, Advertising Product, Aerial Photographer, Archival/Documentation, Automotive Photographer, Baby/Children Photographer, Catalog Photographer, Cruise Ship

Photographer, Environmental Photographer, Fashion Photographer, Food Photographer, Greeting Card Designer, Interior Design Photographer, Magazine, Portraits, Travel Photographer, and Wedding Photographer

Career Pathway: **Performing Arts - Theatre**

Career Cluster: **Arts and Communication**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 1.0 credits from Section 1 with 3.0 credits from Section 2. *KHS Advanced Pathway:* If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Theatre Arts	.5
Communication and Speech	.5
Participate in the School Drama Production for 2 years	
Section 2 - Additional Courses	Credits Earned at KHS
Journalism	1
Concert Chorale	1
Symphonic Winds or Percussion Ensemble	1 ea
Construction Applications	1
Early Childhood Education	1
Creative Writing	.5
Child Development 1 & 2	.5 ea
Film Production	.5
Digital Photography	.5
Art Exploration	.5
Drawing 1	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Rachel Lacy

This Career Pathway could lead to one of the following careers: Actor, Artistic Director, Casting Director, Mime, Performance Artist, Puppeteer, Dramaturge, Storyteller, Theater Therapist, Instructor, Drama Teacher, Script Writer, Production Assistant, Human Resource Specialist, Publicity, Social Worker, Teacher, Child Life Specialist, and Lawyer.

Career Pathway: Journalism
Career Cluster: Arts and Communication

Section 1 - Required Courses	Credits Earned at KHS
Journalism 1	1
Journalism 2	1
Section 2 - Additional Courses	Credits Earned at KHS
Broadcast Journalism	1
Digital Marketing	1
Marketing	1
Digital Photography 1 & 2	.5
Introduction to Studio Production	.5
Graphic Design 1 & 2	.5 ea
Communication and Speech	.5
Sport Management	.5
Contemporary Issues	.5
Art Exploration	.5
Digital Imaging 1	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Instructor: Richard Martin

This Career Pathway could lead to one of the following careers: Business Writing, Technical Writing, Production Assistant, Electronic Media Specialist, Journalist, News Anchor, News Producer, News Reporter, Newspaper Publishing, Publisher, Researcher, Teacher, Editor, Free Lance Reporter, Publicity and Promotions, Reporter, and Script Writer.

Career Pathway: **Broadcast Television**

Career Cluster: **Arts & Communications**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Introduction to Video Technology	.5
KHS Productions	.5
Broadcast Journalism (KTV)	.1
Section 2 - Additional Courses	Credits Earned at KHS
Advanced Video & Effects Editing	.5
Journalism	1
Creative Writing	.5
Communications & Speech	.5
Digital Photography 1	.5
Digital Photography 2	.5
Contemporary Issues	.5
Graphic Design 1	.5
Digital Marketing 1	1
Broadcast Journalism 2	1
Section 3 - Advanced Pathway Courses	Credits Earned at KHS

Instructor: Dan Durand

This Career Pathway could lead to one of the following careers: Assistant Director, Associate Producer, Audio Engineer, Camera Operator, Computer Graphics Operator,

Director, Editor, Engineer, Floor Director, Lighting Director, News Anchor, News Reporter, News Producer, Production Assistant, Publicity and Promotions, Researcher, Script Writer, and Technical Director.

Career Pathway: **Film Production**

Career Cluster: **Arts & Communications**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Introduction to Video Technology	.5
Advanced Video & Effects Editing	.5
Film Production	.1
Section 2 - Additional Courses	Credits Earned at KHS
Documentary Film Production	.5
Music Technology 1 & 2	.5 ea
Theatre Arts 1 & 2	.5
Sociology	.5
Psychology	.5
Contemporary Issues	.5
Digital Photography 1	.5
Creative Writing	.5
Communications and Speech	.5
Digital Marketing	1
Marketing	1
Section 3 - Advanced Pathway Courses	Credits Earned at KHS

Instructor: Dan Durand

This Career Pathway could lead to one of the following careers: Assistant Director, Associate Producer, Audio Engineer, Camera Operator, Computer Graphics Operator, Director, Editor, Engineer, Floor Director, Lighting Director, News Anchor, News Reporter,

News Producer, Production Assistant, Publicity and Promotions, Researcher, Script Writer, and Technical Director.

Business and Finance Career Cluster

Accounting-College Career Pathway

Accounting-KHS Career Pathway

Business Management-KHS Career Pathway

Hospitality-KHS Career Pathway

Marketing-KHS Career Pathway

Personal Finance-KHS Career Pathway

Career Explorer-KHS Career Pathway

Career Pathway: Accounting
Career Cluster: Business & Finance

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Accounting 1 & 2	1 ea
Business Communication	.5
Section 2 - Additional Courses	Credits Earned at KHS
Business Management & Sports Management	1 ea
Marketing	1
Accounting 3	1
International Business	.5
Personal Finance	.5
Economics	.5
Business Law	.5
Entrepreneurship	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Donna Guillot

This Career Pathway could lead to one of the following careers: Certified Public Accountant, Bookkeeper, Collections Executive, Investment Executive, Tax Preparer, Actuary, Budget Analysis, Controller, Merger/Acquisitions Manager, Billing Supervisor, Forensic Accountant, Financial Advisor, Auditor, Chief Financial Officer, Finance Director, Payroll Clerk, Accounts Receivable Clerk, and Loan Officer.

Career Pathway: Business Management
Career Cluster: Business & Finance

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 1.5 credits from Section 1 with 2.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Business Management	1
Business Communication	.5
Section 2 - Additional Courses	Credits Earned at KHS
Marketing	1
Accounting 1	1
Introduction to Business & International Business	.5 ea
Personal Finance	.5
Sport Management	.5
Business Law	.5
Economics & Entrepreneurship	.5 ea
Construction Management	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Chad Neal

This Career Pathway could lead to one of the following careers: Operations Manager, Entrepreneur, Government Management, Management Analyst, Purchasing Manager, Administrative Service Manager, Development Manager, Facilities Manager, Hospital Management, Manufacturing Management, Public Relations Management, Meeting & Convention Planner, Chief Executive Officer, General Manager, Human Resources Manager, Hotel Management, and Sports & Entertainment.

Career Pathway: **Hospitality**

Career Cluster: **Business & Finance**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 1.5 credits from Section 1 with 2.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Hospitality	.5
Foods 1: Foods & Nutrition	.5
Business Communication	.5
Section 2 - Additional Courses	Credits Earned at KHS
Business Management	1
Marketing	1
World Language	1
Foods 2: National & International Foods	.5
Introduction to Business	.5
Entrepreneurship	.5
International Business	.5
Business Law	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Audrey Jones

This Career Pathway could lead to one of the following careers: Hotel Management, Restaurant Service, Event Planning, Caterer, Chauffeur Service, Wedding Consultant, Convention Center Management, and Ticketing Agent.

Career Pathway: **Marketing**

Career Cluster: **Business & Finance**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Marketing	1
Entrepreneurship	.5
Business Communication	.5
Section 2 - Additional Courses	Credits Earned at KHS
Business Management	1
Digital Marketing 1	1
Yearbook	1
Graphic Design 1	.5
Introduction to Video Technology	.5
Sociology or Psychology	.5 ea
International Business	.5
Sport Management	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Gena Torre

This Career Pathway could lead to one of the following careers: E-Commerce Manager, Entrepreneur, Customer Service Clerk, Event Manager, International Merchandising, Market Researcher, Market Manager, Media Coordinator, Merchandising, Project Manager, Public Relations Specialist, Public Relations Writer, Research & Development, Sales Engineer, Sales Representative, Store Manager, and Salesperson.

Career Pathway: Personal Finance
Career Cluster: Business & Finance

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Personal Finance	.5
Success 101	.5
Accounting 1	1
Section 2 - Additional Courses	Credits Earned at KHS
Business Management	1
Accounting 2	1
Introduction to Business	.5
Business Communication	.5
Business Law	.5
Entrepreneurship	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Chad Neal

This Career Pathway could lead to one of the following careers: Real Estate Broker, Bookkeeper, Collections Executive, Investment Executive, Tax Preparer, Actuary, Budget Analyst, Financial Analyst, Sales Agent, Securities/Commodities Agent, Auditor, Insurance Underwriter, Finance Director, and Loan Officer.

Career Pathway: **Career Explorer**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Career and Technical Education Courses	.5 each (4)
1.	
2.	
3.	
4.	
Career and Workplace Readiness	.5
Section 2 - Additional Courses	Credits Earned at KHS
Sociology	.5
Psychology	.5
Communications and Speech	.5
World Language	1
Contemporary Issues	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS

Instructor: Donna Grant

This pathway enables students to explore careers of their interests. This exploratory is intended for students who have not chosen a specific career pathway to follow.

Construction & Industrial Design Cluster

Architecture-KHS Career Pathway

Construction-KHS Career Pathway

Industrial Design and Engineering-KHS Career Pathway

Career Pathway: Architecture
Career Cluster: Construction and Industrial Design

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Architectural Engineering 1	.5
Architectural Engineering 2	.5
Fundamentals of Construction Technology	.5
Principals of Engineering	.5
Mechanical Drafting	.5
Section 2 - Additional Courses	Credits Earned at KHS
Physics	1
Advanced Construction Technology	.5
Marketing	1
Business Law	.5
Geometry	1
Fundamentals of Drawing	.5
Business Communication	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS

Instructor: James Hutson / Tyler Richards

This Career Pathway could lead to one of the following careers: Architect, Framing/Builder, Contractor, Civil Engineering, Structural Engineer, Masonry/Concrete Trades, Plumber, Land Developer, Surveyor, Interior Designer, Estimator, Heavy Equipment Operator, Inspector, Construction Foreman, Kitchen and Bath Designer, Electrician, HVAC Technician Specialist, Drywall/Sheetrock Specialist, and Installer.

Career Pathway: Construction
Career Cluster: Construction and Industrial Design

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Fundamentals of Construction Technology	.5
Construction Applications	1
Construction Management	.5
Mechanical Drafting	.5
Section 2 - Additional Courses	Credits Earned at KHS
Fundamentals of Engineering	.5
Marketing	1
Business Law	.5
Geometry	1
Business Communication	.5
Physics	1
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Advanced Construction Technology	.5

Instructor: James Hutson / Tyler Richards

This Career Pathway could lead to one of the following careers: Architect, Framing/Builder, Contractor, Civil Engineering, Structural Engineer, Masonry/Concrete Trades, Plumber, Land Developer, Surveyor, Interior Designer, Estimator, Heavy Equipment Operator, Inspector, Construction Foreman, Kitchen and Bath Designer, Electrician, HVAC Technician Specialist, and Drywall/Sheetrock Specialist, and Installer.

Career Pathway: Industrial Design and Engineering
Career Cluster: Construction and Industrial Design

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Mechanical Drafting	.5
Auto CAD	.5
Principals of Engineering	.5
Mechanical Engineering I	.5
Advanced Engineering Design and Dev.	.5
Section 2 - Additional Courses	Credits Earned at KHS
Mechanical Engineering II	.5
Graphic Design I	.5
Geometry	1
Introduction to Programming	1
Entrepreneurship	.5
Marketing	1
Business Management	1
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Advanced Honors Robotics	1

Instructor: James Hutson / Tyler Richards

This Career Pathway could lead to one of the following careers: Civil Engineer, Structural Engineer, CAD Designer/Specialist, Mechanical Engineer, Architect, Machinist, Production Specialist, Robotics Specialist, Automation Programmer, Logic Control Programmer, Production Foreperson, Architectural Engineer, CNC Operator, and Industrial Designer.

Health & Human Services & Early
Childhood Education
Career Cluster

Allied Health-KHS Career Pathway
Early Childhood Education-KHS Career Pathway
Human Services-KHS Career Pathway

Career Pathway: Allied Health
Career Cluster: Health & Human Services and Early Childhood Education

KHS Career Pathway: Students must earn a total of 5.0 credits, combining 3.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS / QVCC / UConn
Anatomy and Physiology	1
CP Chemistry / CP Physics	1
QVCC Investigation in Health Careers	.5
UConn HDFS: Introduction to Individual and Family Development	1
Section 2 - Additional Courses	Credits Earned at KHS
Child Development I & 2	.5 ea
World Language	1
Psychology or Sociology	.5 ea
College Calculus	1
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
AP Biology	1.5
Honors Chemistry /AP Chemistry	1 / 1.5
AP Calculus	1.5

Instructor: Donna Grant

This Career Pathway could lead to one of the following careers: Nursing, Medicine, Medical Office Manager, Medical Technician, EKG Tech, Radiology, EMT, Pharmacology, Dental Assistant, Hygienist, Massage Therapist, Mental Health Counselor, Phlebotomist, Medical Laboratory Technician, Physical Therapist, Biomedical Researcher, Coding Specialist, Dietician, Health Care Administration, and many more.

Career Pathway: Early Childhood Education
Career Cluster: Health & Human Services & Early Childhood Education

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Child Development I	.5
Child Development II	.5
Psychology	.5
Early Childhood Education	1
Section 2 - Additional Courses	Credits Earned at KHS
World Language	1
Sociology	.5
Contemporary Issues	.5
Foods and Nutrition	.5
Communication and Speech	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Martha Goldstein-Schultz

This Career Pathway could lead to one of the following careers: Child and Family Advocate, Child Life Specialist, Child Psychologist, Pediatric Nurse, Pediatrician, Social Worker, Kindergarten Teacher, Elementary School Teacher, Infant and Toddler Teacher, Nanny, Head Start Director, Preschool Teacher, Labor and Delivery Nurse, Adoption Consultant, Parenting Skills Genetic Counselor, Nutrition Educator, Elementary School Principal, Teacher’s Assistant, Instructional Assistant, and Childcare Worker.

Career Pathway: **Human Services**

Career Cluster: **Health & Human Services & Early Childhood Education**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.5 credits from Section 1 with 1.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Child Development I	.5
Child Development II	.5
Psychology	.5
UConn HDFS 1070	1
Section 2 - Additional Courses	Credits Earned at KHS
World Language	1
Anatomy	1
Early Childhood Education	1
Sociology	.5
Foods and Nutrition	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Martha Goldstein-Schultz

This Career Pathway could lead to one of the following careers: Clinical Psychologist, Psychology Research, Marriage and Family Therapist, Therapist, Counselor, Social Worker, Police Officer, Corrections Officer, Nurse, Nursing Assistant, Nursing Home Activities Director, Human Resources, Community Worker, and School Counselor.

Government and Public Administration
Career Cluster

Criminal Justice-KHS Career Pathway
Global Studies-KHS Career Pathway
Legal Services-KHS Career Pathway

Career Pathway: Criminal Justice
Career Cluster: Government & Public Administration

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Forensics	1
Psychology	.5
Business Law	.5
Section 2 - Additional Courses	Credits Earned at KHS
Journalism 1	1
Introduction to Programming	1
Accounting 1	1
Business Communication	.5
Sociology or Economics	.5 ea
Contemporary Issues	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Audrey Jones

This Career Pathway could lead to one of the following careers: Lawyer, Private Investigators and Detectives, Police Officers, Federal Marshals, Forensics Analysts, Paralegals, Probation Officers, Corrections Officers, Victim Advocates, Court Clerks, Conservation Officers, Border Patrol, K-9 Officer, CIA Officer, Correctional Counselor,

Forensic Accountant, Forensic Nurse, Forensic Pathologist, Forensic Psychologist, Crime Scene Investigator, and Security Officer.

Career Pathway: **Global Studies**

Career Cluster: **Government & Public Administration**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 2.0 credits from Section 1 with 2.0 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
World Language	1
International Business	.5
Business Communication	.5
Section 2 - Additional Courses	Credits Earned at KHS
Marketing	1
Accounting 1	1
World Cultures	1
Business Law	.5
Psychology	.5
Sociology	.5
Economics	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Audrey Jones

This Career Pathway could lead to one of the following careers: Air Passenger Company, International Consulting Firm, Non-Profit Organization, Tourism Hospitality,

Stock Broker, Political Science, Government Agency, Law Firm, Shipping Company, Import/Export Agent, Economist, International Relations Officer, International Banking, Multinational Corporation, and Interpreter.

Pathway: **Legal Services**

Career Cluster: **Government & Public Administration**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 1.5 credits from Section 1 with 2.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Business Law	.5
Business Communication	.5
Sociology	.5
Section 2 - Additional Courses	Credits Earned at KHS
Latin 1	1
Honors American Citizenship	1
Journalism 1	1
Contemporary Issues	.5
International Business	.5
Psychology	.5
Economics	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Audrey Jones

This Career Pathway could lead to one of the following careers: Administrative Law, Court Reporter, Investigator, Legal Assistant, Mediator/Arbitrator, Elected Official, Attorney, File/Document Manager, Judge, Legal Secretary, Negotiator, Lobbyist, Case Management Specialist, Information Officer, Law Clerk, Magistrate, Paralegal, and Legal Advocate.

Information Systems Career Cluster

Computer Programming-College Career Pathway

Computer Programming-KHS Career Pathway

Interactive Media-KHS Career Pathway

Career Pathway: **Computer Programming**

Career Cluster: **Information Systems**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 1.5 credits from Section 1 with 2.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Introduction to Programming	1
Business Communication	.5
Section 2 - Additional Courses	Credits Earned at KHS
Honors Visual Basic	1
Trigonometry	1
College Calculus	1
Advanced Technology (Robotics)	1
Principles of Engineering	.5
Fundamentals of Construction Technology	.5
Mechanical Engineering	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Jacqueline Wetherell

This Career Pathway could lead to one of the following careers: Software Engineer, Computer Engineer, Program Manager, Programming Engineer, Software Applications Specialist, Test Engineer, Application Analyst, Data Modeler, Programmer, Project Lead, Systems Analyst, Game Developer, Business Analyst, Operating System Designer, Program Analyst, Simulation Developer, Technical Writer, and Database Administrator.

Career Pathway: **Interactive Media**

Career Cluster: **Information Systems**

KHS Career Pathway: Students must earn a total of 4.0 credits, combining 1.5 credits from Section 1 with 2.5 credits from Section 2.

KHS Advanced Pathway: If students would like to complete the KHS Advanced Career Pathway, they must complete all credits in Sections 1, 2, & 3.

Section 1 - Required Courses	Credits Earned at KHS
Digital Marketing 1	1
Business Communication	.5
Section 2 - Additional Courses	Credits Earned at KHS
Marketing	1
Digital Marketing 2	1
Introduction to Studio Production	.5
Introduction to Field Production	.5
Digital Photography 1	.5
Graphic Design 1	.5
Graphic Design 2	.5
Auto CAD	.5
Section 3 - Advanced Pathway Courses	Credits Earned at KHS
Algebra 2 or higher	1
Physics or Chemistry	1
One additional Honors or AP course	1

Instructor: Gena Torre

This Career Pathway could lead to one of the following careers: 3D/2D Developer, Motion Graphics Specialist, Web Developer, Media Developer, Instructional Developer, Web Administrator, Virtual Reality Specialist, Webmaster, Site Developer, Technical Writer, Simulation Developer, Production Assistant, Media Specialist, and Advertising Specialist.