

This Career Pathway Program of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Accounting Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway	
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						<b>NOW</b> Requires up to 12 months of on-the-job experience and informal training  ► Accounting Assistants ► Tax Preparers  <b>NEXT</b> Requires more than 12 months of on-the-job training or experience gained from another occupation  ► Bookkeeper ► Accountant  <b>LATER</b> Requires a minimum of a Bachelor's Degree  ► Auditor ► Certified Public Accountant	
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs		
	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities		
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Accounting 1			
	11	English III	Geometry	Approved science course (forensics, environmental)	US History III ECE American Studies	Accounting 2			
	College Placement Assessments-Academic/Career Advisement Provided								
	12	English IV Public Speaking	Pre-Calculus		AP Psychology AP Gov and Pol AP Comp Gov	*Personal Finance			
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes								
	13	AP English	Business Statistics	Contemporary Issues .5 Law and		Managerial Accounting and Control	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow		
	14					Cost Management			
POST SECONDARY	15					Federal Taxes / Auditing			
	16					Accounting Internship			
		Crosby, Kennedy, Wilby, WCA							
		IASSC Lean Six Sigma Certification - Yellow Belt Precision Exams Certificate IASSC Lean Six Sigma Certification - White Belt							
	Course completion enables student to access credential exam								

**Cluster: Business, Finance, Marketing & Entrepreneurship** **Pathway: General Management** Career Pathway Program for ► Learners ► Parents ► Counselors ► Teachers/Faculty

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Management Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						<b>NOW</b>
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	Requires up to 12 months of on the job experience and informal training
	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	► Advertising Sales Agent ► Brokerage Clerks ► Court, Municipal, and License Clerks ► Insurance Claims and Policy Processing Clerks ► Entrepreneur
	10	English II	Algebra 2	Biology	Civics/US History II AP European History	*Business Management 1		<b>NEXT</b> Requires more than 12 months of on-the-job training or experience gained from another occupation ► Executive Administrative Assistants ► Supervisors of Office and Administrative Workers ► Human Resources Assistants ► Office Manager ► Sales Representative (non technical)
	11	English III	Geometry	Approved science course (forensics, environmental)	AP US History US History III ECE American	*Business Management 2		
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English IV Public Speaking	Pre-Calculus		AP Comparative Gov AP Gov & Pol AP Psychology	Intro to Business NVCC		<b>LATER</b> Requires a minimum of a Bachelor's Degree ► Business Consultant ► Auditor
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English	AP Calculus		Contemporary Issues .5 Law and Society .5	Accounting, Financial, Organizational Management	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	
	14		Business Statistics		Psychology/Sociology	Supply Chain		
	15					Supply Chain		
POST SECONDARY	16					Completion of specialized courses		

**Crosby. Kennedy. Wilby. WCA**

**IASSC Lean Six Sigma Certification - Yellow Belt**

**Precision Exams Certificates (Business Concepts, Business Management, Entrepreneurship)**

**IASSC Lean Six Sigma Certification - White Belt**

**Course completion enables student to access credential exam**



**Cluster: Business, Finance, Marketing & Entrepreneurship Pathway: Investments, Securities and Insurance:** Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Investments, Securities & Insurance Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	*Exploratory Courses	Clubs After School Programs	<b>NOW</b> Requires up to 12 months of on-the-job experience and informal training  ► Insurance Claims Agents ► Insurance Policy Processing Clerks  <b>NEXT</b> Requires more than 12 months of on-the-job training or experience gained from another occupation  ► Claims Adjusters, Examiners, and Investigators ► Insurance Appraisers, Auto Damage  <b>LATER</b> Requires a minimum of a Bachelor's Degree ► Financial Managers ► Actuaries ► Personal Financial Advisors ► Securities, Commodities, and Financial Services Sales Agents
	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Accounting 1		
	11	English III	Geometry	Approved science course (forensics, environmental)	US History III ECE American Studies	Accounting 2		
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English IV Public Speaking	Pre-Calculus		AP Gov & Pol AP Comp Gov AP Psychology	*Personal Finance *Investing & The Stock Market		
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English	AP Calculus		Contemporary Issues .5 Law and Society .5	Global Financial Markets	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	
	14		Business Statistics		Psychology.5 Sociology.5	Economics		
	15					Investments		
	16					Corporate Finance		
POST SECONDARY		Wilbv. Crosbv. Kennedv. WCA, WAMS						
		Certified Young Investment Analyst (CYIA) Precision Exams Certificate IASSC Lean Six Sigma Certification - White Belt						
		Course completion enables student to access credential exam						

Cluster: Business, Finance, Marketing & Entrepreneurship

Pathway: Marketing Communications

Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Marketing Communications Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway	
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						NOW Requires up to 12 months of on-the-job experience and informal training  ► Customer Service Representatives  NEXT / LATER Requires a minimum of postsecondary vocational training or an Associate's or Bachelor's Degree  ► Account Executive ► Account Supervisor ► Advertising Manager ► Analyst ► Graphics Director ► Copywriter ► Creative Director ► Interactive Media Specialist ► Marketing Associate ► Public Relations Manager ► Promotions Manager	
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs		
	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities		
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Graphic Communications 1 *Marketing 1			
	11	English III	Geometry	Approved science course (forensics, environmental)	US History III ECE American Studies AP US History	*Graphic Communications 2 Video Production 1			
	College Placement Assessments-Academic/Career Advisement Provided								
	12	English IV Public Speaking	Pre-Calculus	AP Psychology AP Gov and Pol AP Cor		Principles of Marketing NVCC *Marketing 2			
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes								
	13	AP English			Psychology.5 Sociology.5	Video Production 2	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow		
	14				Contemporary Issues .5 Law and Society .5				
POST SECONDARY	15								
	16					Completion of specialized courses			
		Crosby, Kennedy, Wilby, WCA, WAMS							
		Advanced Customer Service and Sales Credential Precision Exams Certificate IASSC Lean Six Sigma Certification - White Belt							
		Course completion enables student to access credential exam							



**Cluster:** Business, Finance, Marketing & Entrepreneurship

**Pathway: Marketing Management** Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Marketing Management Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway	
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						NOW Requires up to 12 months of on-the-job experience and informal training  ► Customer Service Representatives ► Demonstrators and Product Promoters  NEXT Requires a minimum of postsecondary vocational training or an Associate's degree  ► Lodging Managers	
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs		
	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience		
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Marketing 1	<input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects		
	11	English III	Geometry	Approved science course (forensics, environmental)	US History III ECE American Studies AP US History	Principles of Marketing NVCC *Marketing 2	<input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education		
	College Placement Assessments-Academic/Career Advisement Provided								<input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities
	12	English IV Public Speaking	Pre-Calculus	AP Psychology AP Gov and Pol AP Com		*Business Management			
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes								
	13	AP English			Psychology.5 Sociology.5		<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio		
	14				Contemporary Issues .5 Law and Society .5		<input type="checkbox"/> Employability Skills		
POST SECONDARY	15					<input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	LATER Requires a minimum of a Bachelor's Degree  ► Market Research Analysts and Marketing Specialists ► Appraisers and Assessors of Real Estate ► Marketing Managers		
	16					Completion of specialized courses			

**Crosby, Kennedy, Wilby, WCA**

**Precision Exams Certificate**

**IASSC Lean Six Sigma Certification - White Belt**

**Course completion enables student to access credential exam**

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Construction Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						NOW
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	Requires up to 12 months of on the job experience and informal training
	9	English I	Algebra 1	Physical Science	World History	*Construction 1	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	► Carpenter
	10	English II	Algebra 2	Biology	Civics/US History II	*Construction 2		► Control and Valve Installer and Repairer
	11	English II	Geometry	Approved science course (forensics, environmental science)	US History III	*Construction 3		► Operating Engineers / Construction Equipment Operators
	College Placement Assessments-Academic/Career Advisement Provided							► Surveying and Mapping Technicians
	12	English IV Public Speaking	Pre-Calculus		Contemporary Issues .5 Law and Society .5	*Advanced Construction 4		► Security and Fire Alarm Systems Installers
	13	AP English	Trigonometry		Psychology/Sociology	*AutoCAD NVCC	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	► Highway Maintenance Workers
	14					*Business Management 1 *Business Management 2		NEXT
	15					*Personal Finance		Requires more than 12 months of on-the-job training or experience gained from another occupation
16					Completion of specialized courses	► Supervisor of Construction Trades and Extraction Workers		
POST SECONDARY							► Electrical Power Line Installers & Repairers ► Construction and Building Inspectors ► Stationary Engineers and Boiler Operators ► Heating, Air Conditioning, and Refrigeration Mechanics ► Maintenance and Repair Workers, General	

Crosby, Kennedy, Wilby

NCCER Core Curriculum  
 NCCER Carpentry Level 1 Certification  
 NCEER OSHA 10 Certification  
 NCEER OSHA 30 Certification  
 IASSC Lean Six Sigma Certification - Yellow Belt  
 IASSC Lean Six Sigma Certification - White Belt

Course completion enables student to access credential exam



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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Design/Pre Construction Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						NOW Requires up to 12 months of on the job experience and informal training
	8	8th Grade LA	8th Grade Math	8th grade science	US I	*Exploratory Courses	Clubs After School Programs	► Renderer ► Operating Engineers / Construction Equipment Operators
	9	English I	Algebra 1	Physical Science	World History	*Construction 1	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	NEXT Requires more than 12 months of on-the-job training or experience gained from another occupation
	10	English II	Algebra 2	Biology	Civics/US History II	*Construction 2		► Interior Designer ► Drafter ► Landscape Architect
	11	English II	Geometry	Approved science course (forensics, environmental)	AP US History US History III ECE American	*Construction 3		LATER Requires a minimum of a Bachelor's Degree ► Materials Engineer ► Electrical Engineer ► Environmental Designer ► Civil Engineers ► Architects, Except Landscape and Naval
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English IV Public Speaking	Pre-Calculus		AP Psychology AP Gov and Pol AP Comp Gov	*Advanced Construction 4		
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English	Trigonometry		Psychology/Sociology	Auto CAD - NVCC Solidworks	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	
	14			Contemporary Issues .5 Law and		Building Design		
POST SECONDARY	15				Interior Design Landscape Engineering			
	16				Completion of specialized courses			

Crosby, Kennedy, Wilby

NCCER Core Curriculum  
 NCCER Carpentry Level 1 Certification  
 NCEER OSHA 30 Certification  
 IASSC Lean Six Sigma Certification - Yellow Belt  
 Autodesk Certified User  
 IASSC Lean Six Sigma Certification - White Belt

Course completion enables student to access credential exam

Cluster: Construction, Manufacturing & Industrial Systems Pathway: Facility & Mobile Maintenance Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Facility & Mobile Maintenance Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						<b>NOW</b> Requires up to 1 month of on-the-job training  ► Industrial Truck and Tractor Operators  <b>NEXT</b> Requires more than 12 months of on-the-job training or experience gained from another occupation  ► Transportation Inspectors ► Bus and Truck Mechanics and Diesel Engine Specialists ► Mobile Heavy Equipment Mechanics ► Mechanics  <b>LATER</b> Requires a minimum of postsecondary vocational training  ► Aircraft Mechanics and Service Technicians ► Automotive Master Mechanic
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	
	9	English I	Algebra 1	Physical Science	World History	*Automotive 1	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts	
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Automotive 2	<input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	
	11	English III	Geometry	Approved science course (forensics, environmental)	US History III	Advanced Automotive 3		
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English IV Public Speaking	Pre-College Algebra		Contemporary Issues .5 Law and Society .5	*Business Management 1 *Business Management 2		
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English			Psychology/ Sociology	*Accounting	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	
	14				Contemporary Issues .5 Law and Society .5	*Finance		
POST SECONDARY	15							
	16					Completion of specialized courses		

Crosby, Kennedy, Wilby, WCA

IASSC Lean Six Sigma Certification - Yellow Belt  
 American Welding Society - AWS Certification  
 National Institute for Automotive Service Excellence (ASE Certifications)  
 S/P2 Automotive Certifications  
 Precision Exams Certificate  
 IASSC Lean Six Sigma Certification - White Belt

Course completion enables student to access credential exam



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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Manufacturing Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway	
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						NOW Requires up to 12 months of on-the-job experience and informal training  ► Painter, Transportation Equipment ► Structural Metal Fabricators and Fitters  NEXT Requires more than 12 months of on-the-job training  ► CNC Machine Tool Programmers, Metal and Plastic ► Machinists ► Tool and Die Makers  LATER Requires a minimum of postsecondary vocational training or work experience in another occupation  ► Computer and Information Systems Managers ► Mechanical Engineering Technician	
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs		
	9	English I	Algebra 1	Physical Science	World History	*Manufacturing 1 *Manufacturing 2	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities		
	10	English II	Algebra 2	Biology	Civics/US History II	*Manufacturing NVCC			
	11	English III	Geometry	Approved science course (forensics, environmental science)	US History III	*Manufacturing NVCC			
	College Placement Assessments-Academic/Career Advisement Provided								
	12	English IV Public Speaking	Pre-Calculus	AP Psychology AP Gov and Pol AP Com		*Manufacturing NVCC			
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes								
	13	AP English			Psychology/Sociology	Manufacturing NVCC	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow		
	14				Contemporary Issues .5 Law and Society .5	Benchwork, Grinding, Lathe, Milling Sawing & Drilling, CNC, CAD			
	15					Benchwork, Grinding, Lathe, Milling Sawing & Drilling, CNC, CAD			
	16					Benchwork, Grinding, Lathe, Milling Sawing & Drilling, CNC, CAD			

Crosby, Kennedy, Wilby, WCA

IASSC Lean Six Sigma Certification - Yellow Belt  
 National Institute of Metalworking Skills (NIMS) Certifications  
 Mastercam Associate Certification  
 Precision Exams Certificate  
 IASSC Lean Six Sigma Certification - White Belt

Course completion enables student to access credential exam

Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

[illegible]

Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Aerospace Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						<b>NOW</b> Requires a minimum of 12 months of on-the-job training to an Associate's Degree  ▶ Electrician and Electronics Engineering Technicians ▶ Industrial Engineering Technicians ▶ Electrical and Electronics Drafters ▶ Electro-Mechanical Technicians  <b>NEXT</b> Requires a Baccholor's Degree or higher  ▶ Materials Scientists ▶ Electronics Engineers, Except Computer ▶ Computer Hardware Engineers ▶ Materials Engineers ▶ Engineering Manager ▶ Mechanical Engineer ▶ Robotics Engineer  <b>LATER</b> Requires a Master's Degree or higher
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	*Robotics & Automation 1 *Robotics & Automation 2	Clubs After School Programs	
	9	English I	Algebra 1	Physical Science	World History	*Aviation & Flight Science 1	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	Drone Technology & Engineering		
	11	English III	Geometry	Chemistry	US History III ECE Amerian Studies AP US History	*Drone Operator Prep		
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English IV Public Speaking	Pre-Calculus	Physics	AP Gov and Pol AP Com	*Aviation & Flight Science 2		
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English	AP Calculus	UConn Physics, AP Physics	Psychology/ Sociolog	*Software Development 1	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	
	14		AP Statistics		Contemporary Issues .5 Law and Society .5			
POST SECONDARY	15							
	16					Completion of specialized courses		
		Crosbv. Kennedv. Wilbv. WCA. WAMS						
		IASSC Lean Six Siama Certification - Yellow Belt FAA Part 107 Commercial Drone Pilot Operator License IASSC Lean Six Siama Certification - White Belt						
		Course completion enables student to access credential exam						





**Cluster: Education & Training**
**Pathway: Teacher Prep**

Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Teacher/Training Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						NOW Requires from one month of on-the-job experience to Associate's Degree
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	*Exploratory Courses	Clubs After School Programs	► Teacher Assistants ► Fitness Instructors ► Self Enrichment Education Workers ► Library Technicians ► Preschool Teachers, Except Special Education
	9	English I	Algebra 1	Physical Science	World History	*Child Development	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts	
	10	English II	Algebra 2	Biology	Civics/US III AP European History	*Teacher Prep 1	<input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	
	11	English III	Geometry	Approved science course (forensics, environmental)	US III AP US History III	*Teacher Prep 2 *Teacher Prep 3		
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English IV Public Speaking	Pre-Calculus	AP PSychologyAP Comp GovAP G		*Teacher Prep 4 Ind. & Fam. Dev. UCONN		NEXT Requires a minimum of a Bachelor's Degree
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English	AP Calculus		Contemporary Issues .5 Law and Society .5	Educational Psychology	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	► Elementary School Teachers ► Middle School Teachers ► High School Teachers ► Special Education Teachers ► Child, Family and School Social Workers  LATER Requires a minimum of a Master's Degree  ► Education Administrators ► Postsecondary Teachers
	14				Psychology/Sociology	Education in the U.S.		
15					Classroom Management / Educational Technology			
16					Content Area Methods / Reading			

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Child Development Associate Credential (CDA)  
 Paraprofessional Certification Assessment  
 Precision Exams Certificate  
 Educators Rising Micro Credential Anti Bias Instruction  
 Educators Rising Micro Credential Classroom Culture  
 Educators Rising Micro Credential Collaboration  
 Educators Rising Micro Credential Formative Assessment  
 Educators Rising Micro Credential Learner Engagement

Course completion enables student to access credential exam



Cluster: Information Technology & Engineering Pathway: Programming/Software Development Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Programming / Software Development Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						<p><b>NOW</b> Requires a minimum of 12 months of on-the-job training or certification</p> <p>► Software Applications Tester ► Programmer Internship</p> <p><b>NEXT</b> Requires a minimum of a Bachelor's Degree</p> <p>► Software Developers, Applications ► Software Developers, Systems Software ► Applications Analyst ► Game Developer ► Programmer</p> <p><b>LATER</b> Requires a Bachelor's Degree or higher</p> <p>► Applications Engineer ► Computer Engineer ► Program Manager</p>
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	
	9	English I	Algebra 1	Physical Science	World History	*Software Development 1	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	
	10	English II	Algebra 2	Biology	Civics/US History II	*Software Development 2		
	11	English III	Geometry	Approved science course (forensics, environmental)	US History III AP US History	*Software Development 1		
	College Placement Assessments-Academic/Career Advise ment Provided							
	12	English IV Public Speaking	Pre-Calculus	AP Psychology AP Gov and Pol AP Com		*Software Development 2		
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English	AP Calculus		Psychology.5 Sociology.5		<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	
	14		AP Statistics		Contemporary Issues .5 Law and Society.5			
POST SECONDARY	15					Analysis of Algorithms		
	16					Advanced Scripting Concepts		

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Precision Exams Certificate

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Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Web & Digital Communications Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway	
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						Sample Occupations Relating to This Pathway  Web Developer 3D Artist Audio/Visual Engineer Designer Media Specialist Production Assistant Programmer Steaming Media Specialist Virtual Reality Specialist Web Designer Webmaster Social Networking Specialist Search Engine Marketing Specialist	
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs		
	9	English I	Algebra 1	Physical Science	World History	*Graphic Communications 1 & 2	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities		
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	Video Production 1			
	11	English III	Geometry	Approved science course (forensics, environmental)	US History III AP US History	Video Production 2			
	College Placement Assessments-Academic/Career Advisement Provided								
	12	English IV Public Speaking	Pre-Calculus	AP Psychology AP Gov and Pol AP Com		*Marketing 1 *Marketing 2			
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes								
	13	AP English	Computer Science		Psychology.5 Sociology.5	Principles of Marketing NVCC	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow		
	14		Programming		Contemporary Issues .5 Law and Society .5				
POST SECONDARY	15								
	16					Completion of specialized courses			

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Adobe InDesign  
 Adobe Illustrator  
 Adobe Dreamweaver  
 Adobe Premier  
 WordPress Certifications  
 Precision Exams Certificate  
 IASSC Lean Six Sigma Certification - White Belt

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This Career Pathway Program of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

Education Levels	Grade	English Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Engineering Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
SECONDARY	6 & 7	Interest Inventory Administered and Plan of Study Initiated for all Learners						<b>NOW</b> Requires a minimum of 12 months of on-the-job training to an Associate's Degree  ▶ Electrician and Electronics Engineering Technicians ▶ Industrial Engineering Technicians ▶ Electrical and Electronics Drafters ▶ Electro-Mechanical Technicians  <b>NEXT</b> Requires a Bachelor's Degree or higher  ▶ Materials Scientists ▶ Electronics Engineers, Except Computer ▶ Computer Hardware Engineers ▶ Materials Engineers ▶ Engineering Manager ▶ Mechanical Engineer ▶ Robotics Engineer  <b>LATER</b> Requires a Master's Degree or higher
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	*Robotics & Automation 1 *Robotics & Automation 2	Clubs After School Programs	
	9	English I	Algebra 1	Physical Science	World History		<input type="checkbox"/> Experiential Learning <input type="checkbox"/> College Career Pathways <input type="checkbox"/> Early College Experience <input type="checkbox"/> Industry Recognized Credentials <input type="checkbox"/> Employability Skills <input type="checkbox"/> Capstone Projects <input type="checkbox"/> Work Based Learning Experiences <input type="checkbox"/> Fine Arts <input type="checkbox"/> Physical & Health Education <input type="checkbox"/> World Language <input type="checkbox"/> Extra Curricular Activities	
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Electronics 1 *Electronics 2		
	11	English III	Geometry	Chemistry	ECE American Studies/AP	*Conceptional Engineering Milestones		
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English IV Public Speaking	Pre-Calculus	Physics	AP Psychology AP Gov and Pol AP Comparative Pol	*Engineering Design Process		
	Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							
	13	AP English	AP Calculus	UConn Physics, AP Physics	ary Issues .5 Law and	AutoCAD NVCC	<input type="checkbox"/> Experiential Learning <input type="checkbox"/> Practicum <input type="checkbox"/> Portfolio <input type="checkbox"/> Employability Skills <input type="checkbox"/> Professional Skills <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadow	
	14		AP Statistics		Psychology/Sociolo gy	Robotics		
POST SECONDARY	15							
	16					Completion of specialized courses		

Crosby, Kennedy, Wilby, WCA

Precision Exams Certificate

IASSC Lean Six Sigma Certification - Yellow Belt

IASSC Lean Six Sigma Certification - White Belt

Course completion enables student to access credential exam