Cluster: Business, Finance, Marketing & Entrepreneurship

Pathway: Accounting

Career Pathway Program of Study for Learners

Parents

Parents

Counselors

Teachers/Faculty

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.

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	
	6 & 7		Interest Inventory Ad	ministered 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 inform training	
	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	Experiential Learning College Career Pathways	Accounting Assistants	
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Accounting 1	☐ Early College Experience☐ Industry Recognized Credentials☐ Employability Skills	► Tax Preparers	
-	11	English III	Geometry	Approved science course (forensics, environmental	US History III ECE American Studies	Accounting 2	☐ Capstone Projects☐ Work Based Learning Experiences☐	NEXT	
L		Coll	ege Placement Assess	sments-Academic/Card	Studies eer Advisement Provided		Fine Arts Physical & Health Education	Requires more than 12 months of on-the-job training or experier	
	12	English IV Public Speaking	Pre-Calculus		AP Psychology AP Gov and Pol	*Personal Finance	World Language  Extra Curricular Activities	gained from another occupation	
	Dual C	Credit - Postseconda	ry courses may be take	en/moved to the secon	dary level for articular		▶ Bookkeeper		
	13	AP English Business Statistics Contempor		ary Issues .5 Law and Managerial Accounting an Control		Experiential Learning	► Accountant  LATER		
L	14					Cost Management	Practicum	Requires a minimu mof a Bachelor's Degree	
L	15					Federal Taxes / Auditing			
L	16					Accounting Internship	Job Shadow		
		Crosby, Kenned	lv, Wilby, WCA						
	P	recision Exams	Siama Certificatio Certificate Siama Certificatio						
				nt to access cred					

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

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

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 Pathwa	
	6 & 7		Interest Inventory Ad	ministered and Plan	of Study Initiated for al	Learners		Now	
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	NOW  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	Experiential Learning College Career Pathways	<ul> <li>Advertising Sales Agent</li> <li>▶ Brokerage Clerks</li> </ul>	
	10	English II	Algebra 2	Biology	Civics/US History II AP European History	*Business Management 1	Early College Experience Industry Recognized Credentials Employability Skills	<ul> <li>Court, Municipal, and License Clerks</li> <li>Insurance Claims and Policy Processing Cler</li> <li>Entrepreneur</li> </ul>	
	11	English III	Geometry	Approved science course (forensics, environmental	AP US History US History III ECE American	*Business Management 2	Capstone Projects Work Based Learning Experiences	DEXT	
		Col	lege Placement Asses	sments-Academic/Ca	reer Advisement Provide	Fine Arts Physical & Health Education	Requires more than 12 months of on-the-job		
	12	English IV Public Speaking	Pre-Calculus		AP Comparatve Gov AP Gov & Pol	Intro to Business NVCC	World Language Extra Curricular Activities	training or experience gained from another occupation	
	Dual C	Credit - Postseconda	iry courses may be tak	en/moved to the seco	endary level for articula	tion/dual credit purposes		Executive Administrative Assistants	
	13	AP English	AP Calculus		Contemporary Issues .5 Law and Society .5	Accounting, Financial, Organizational Management	Experiential Learning	➤ Supervisors of Office and Administrative Workers ➤ Human Resources Assistants	
	14		Business Statistics		Psychology/Sociology	Supply Chain	Practicum Portfolio Employability Skills	<ul> <li>▶ Office Manager</li> <li>▶ Sales Representative (non technical)</li> </ul>	
	15					Supply Chain	Professional Skills Internship	LATER	
	16					Completion of specialized courses	Job Shadow	Requires a minimum of a Bachelor's Degree  Business Consultant Auditor	

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

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

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 mee

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 Pathw	
ı	6 & /		Interest Inventory Ad	ministered and Plan o	f Study Initiated for all	Learners			
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	*Exploratory Courses	Clubs After School Programs	NOW Requires up to 12 months of on-the-job experience and	
	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	Experiential Learning     College Career Pathways	informal training	
L	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Accounting 1	Early College Experience Industry Recognized Credentials Employability Skills	➤ Insurance Claims Agents ➤ Insurance Policy Processing Clerks	
	11	English III	Geometry	Approved science course (forensics, environmental	US History III ECE American Studies	Accounting 2	Capstone Projects Work Based Learning Experiences	NEXT Requires more than 12 months of on-the-job training or	
-		Colle	ege Placement Assess	ments-Academic/Car	eer Advisement Provide	led			
	12	College Placement Assessments-Academic/C  English IV Public Speaking  Pre-Calculus			AP Gov & Pol AP Comp Gov	*Personal Finance	World Language  Extra Curricular Activities	experience gained from anothe occupation	
	Dual C	redit - Postsecondar	y courses may be take	en/moved to the secon	AP Psychology	tion/dual credit purposes		► Claims Adjusters, Examiners, and Investigators	
	13	AP English	AP Calculus		Contemporary Issues .5 Law and Society 5	Global Financial Markets	Experiential Learning	► Insurance Appraisers, Auto Damage	
L	14		Business Statistics		Psychology.5 Sociology.5	Economics	☐ Practicum ☐ Portfolio ☐ Employability Skills ☐ Professional Skills ☐ Internship	□ Portfolio LATER	Requires a minimum of a Bachelor's Degree
L	15					Investments		➤ Financial Managers ➤ Actuaries	
	16					Corporate Finance	Job Shadow	<ul> <li>▶ Personal Financial Advisors</li> <li>▶ Securities, Commodities, and Financial Services Sales Agents</li> </ul>	
ŀ		Wilby, Crost	ov. Kennedv. WC	A. WAMS					
	P	recision Exams	nvestment Analys Certificate igma Certificatio	Control of the second					
	Co	ourse completio	n enables stude	nt to access area	lantial average				

Grade	Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Marketing Communications Career	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathwa
6&7		Interest Inventory Ac	lministered and Plan	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	NOW
9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	Experiential Learning College Career Pathways	Requires up to 12 months of on-the-job experience and information training  Customer Service Representatives
10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Graphic Communications 1 *Marketing 1	☐ Early College Experience☐ Industry Recognized Credentials☐ Employability Skills	
11	English III	lish III Geometry Approved science course (forensics, environmental College Placement Assessments-Academic/Caree		US History III ECE Amerian Studies AP US History	*Graphic Communications 2 Video Production 1	Capstone Projects     Work Based Learning Experiences     Fine Arts	NEXT/LATER
	Colle	ge Placement Asses	sments-Academic/Ca	reer Advisement Provid	ed	Physical & Health Education	Requires a minimum of postsecondary vocational training or a
12	English IV Public Speaking	Pre-Calculus		AP Gov and Pol AP Cor	Princples of Marketing NVCC *Marketing 2	☐ World Language ☐ Extra Curricular Activities	Associate's or Bachelor's Degree
Dua	Credit - Postsecondary	courses may be tak	cen/moved to the seco	ndary level for articulat		► Account Executive  ► Account Supervisor	
13	AP English			Psychology.5 Sociology.5	Video Production 2	☐ Experiential Learning	➤ Account Supervisor  ➤ Advertising Manager  ➤ Analyst
14				Contemporary Issues .5 Law and Society .5		Practicum Portfolio Employability Skills	➤ Graphics Director ➤ Copywriter
15				U.S. CYLLYSOFT WILL	I.	Internship	➤ Creative Director ➤ Interactive Media Specialist ➤ Marketing Associate
16					Completion of specialized courses	- Constitution States States	➤ Public Relations Manager  ➤ Promotions Manager
	Crosby, Kenr	nedv. Wilby, Wo	CA, WAMS				

Cluster: Business, Finance, Marketing & Entrepreneurship

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

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.

	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 Pathwa
L	6 & 7		Interest Inventory Ad	ministered and Plan o	f Study Initiated for al	Learners		
	8	8th Grade LA	8th Grade Math	8th grade science		Exploratory Courses	Clubs After School Programs	NOW
L	9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	Experiential Learning College Career Pathways	Requires up to 12 months of on-the-job experience and informal training  Customer Service Representatives Demonstrators and Product Promoters  NEXT
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Marketing 1	□ Early College Experience □ Industry Recognized Credentials □ Employability Skills	
	11	English III	Geometry	Approved science course (forensics, environmental	US History III ECE Amerian Studies AP US History	Principles of Marketing NVCC *Marketing 2	☐ Capstone Projects ☐ Work Based Learning Experiences	
L		Colle	ge Placement Assess	sments-Academic/Can	eer Advisement Provid	Fine Arts	Requires a minimum of postsecondary vocational	
	12	English IV Public Speaking	Pre-Calculus		AP Gov and Pol AP Com		☐ World Language ☐ Extra Curricular Activities	training or an Associate's degree
	Dual (	Credit - Postsecondary	courses may be take	en/moved to the secor	ndary level for articula	tion/dual credit purposes		► Lodging Managers
	13	AP English			Psychology.5 Sociology.5	demodal credit purposes	Experiential Learning	ATER Requires a minimum of a Bachelor's Degree
	14				Contemporary Issues .5 Law and Society .5		Portfolio	► Market Research Analysist and Marketing
	15						Professional Skills	pecialists Appraisers and Assessors of Real Estate
1 13	6					Completion of specialized courses	Job Shadow	Marketing Managers

Crosby, Kennedy, Wilby, WCA

Precision Exams Certificate

IASSC Lean Six Sigma Certification - White Belt

Cluster: Manufacturing, Construction & Industrial Systems

Pathway: Construction

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

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

	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 Pathwa
	6&7		nterest Inventory Ad	ministered and Plan o	f 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	Experiential Learning College Career Pathways	► Carpenter
	10	English II	Algebra 2	Biology	Civics/US History II	*Construction 2	☐ Early College Experience☐ Industry Recognized Credentials☐ Employability Skills	Control and Valve Installer and Repairer Operating Engineers / Construction Equipment
	11	English II	Geometry	Approved science course (forensics, environmental science)	US History III	*Construction 3	☐ Capstone Projects ☐ Work Based Learning Experiences	➤ Surveying and Mapping Technicians ➤ Security and Fire Alam Systems Installers
		Colle	ge Placement Assess	ments-Academic/Car	eer Advisement Provide	☐ Fine Arts ☐ Physical & Health Education	► Highway Maintenance Workers	
	12	English IV Public Speaking	Pre-Calculus		Contemporary Issues .5 Law and Society .5	*Advanced Construction 4	☐ World Language ☐ Extra Curricular Activities	NEXT
_								Requires more than 12 months of on-the-job training
L	13	AP English	Trigonometry		Psychology/Sociology	*AutoCAD NVCC	□ Experiential Learning	or experience gained from another occupation  Supervisor of Construction Trades and Extraction
L	14					*Business Management 1 *Business Management 2	□ Portfolio	Workers ► Electrical Power Line Installers & Repairers
	15					*Personal Finance	☐ Professional Skills ☐ Internship	<ul> <li>Construction and Building Inspectors</li> <li>Stationary Engineers and Boiler Operators</li> </ul>
	16					Completion of specialized courses	☐ Job Shadow	<ul> <li>▶ Heating, Air Conditioning, and Refrigeration</li> <li>Mechanics</li> <li>▶ Maintenance and Repair Workers, General</li> </ul>

## 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

## Cluster:Manufacturing, Construction & Industrial Systems

<u>Pathway: Design/Pre Construction</u> Career Pathway Programs for ▶ Learners ▶ Parents ▶ Counselors ▶ Teachers/Faculty

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

reveis	Grade 6 & 7	English Language Arts	Math	Science	Social Studies	Design/Pre Construction Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
ŀ	647		nterest Inventory Ad	ministered and Plan	of Study Initiated for a	II Learners	The second secon	Now
	8	8th Grade LA	8th Grade Math	8th grade science		*Exploratory Courses	Clubs After School Programs	NOW Requires up to 12 months of on the job experience and informal training
ı	9	English I	Algebra 1	Physical Science	World History	*Construction 1	Experiential Learning     College Career Pathways	► Renderer
	10	English II	Algebra 2	Biology	Civics/US History II	*Construction 2	☐ Early College Experience☐ Industry Recognized Credentials☐ Employability Skills	► Operating Engineers / Construction Equipment Operators
	11	English II	Geometry	Approved science course (forensics, environmental	AP US History US History III	*Construction 3	Capstone Projects Work Based Learning Experiences	NEXT Resident
L		Colle	ge Placement Assess	sments-Academic/Ca	FCF American reer Advisement Provi	Fine Arts	Requires more than 12 months of on-the-job training or experience gained from another occupation	
L	12	English IV Public Speaking	Pre-Calculus		AP Psychology AP Gov and Pol	*Advanced Construction 4	☐ World Language ☐ Extra Curricular Activities	► Interior Designer
H	Dual C	redit - Postsecondary	courses may be take	en/moved to the seco	ndary level for articula	ation/dual credit purposes		► Drafter
	13	AP English	Trigonometry		Psychology/Sociology	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	Experiential Learning	► Landscape Architect  LATER
	14			Contempor	ary Issues .5 Law and :	Building Design	Portfolio	Requires a minimum of a Bachelor's Degree
L	15					Interior Design Landscape Engineering	Internship	➤ Materials Engineer ➤ Electrical Engineer
L	16					Completion of specialized courses	zed Job Shadow	<ul> <li>Environmental Designer</li> <li>Civil Engineers</li> <li>Architects, Except Landscape and Naval</li> </ul>

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

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

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

Grad	Language Arts		Science	Social Studies	Degree Major Courses Facility & Mobile Maintenance Career	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
6&7		Interest Inventory Add	ministered and Plan of	f Study Initiated for all	Learners		Vow
8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	NOW Requires up to 1 month of on-the-job training
9	English I	Algebra 1	Physical Science	World History	*Automotive 1	Experiential Learning     College Career Pathways	► Industrial Truck and Tractor Operators  NEXT  tequires more than 12 months of on-the-job training
10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Automotive 2	Early College Experience     Industry Recognized Credentials     Employability Skills	
11	English III	Geometry	Approved science course (forensics, environmental	US History III	Advanced Automotive 3	Capstone Projects     Work Based Learning Experiences	or experience gained from another occupation
	Col	lege Placement Assess	ments-Academic/Care	er Advisement Provid	led	Fine Arts	➤ Transportation Inspectors ➤ Bus and Truck Mechanics and Diesel Engine Specialists
12	English IV Public Speaking	Pre-College Algebra		Contemporary Issues .5 Law and	*Business Management 1	Physical & Health Education     World Language     Extra Curricular Activities	Mobile Heavy Equipment Mechanics     Mechanics
Dua	Credit - Postseconda	ry courses may be take	en/moved to the secon	idary level for articular	tion/dual credit purposes		
13	AP English			sychology/ Sociolog	*Accounting		LATER Requires a minimum of postsecondary vocational training
14				Contemporary Issues .5 Law and Society .5	*Finance	Practicum Portfolio Employability Skills	Aircraft Mechanics and Service Technicians Automotive Master Mechanic
15						Professional Skills Internship	
16					Completion of specialized courses	The lab ob a constant of the c	

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

Cluster: Construction, Manufacturing & Industrial Systems

Pathway: Production

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

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

	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
ŀ	6&7		Interest Inventory A	dministered and Plan	of Study Initiated for all I	earners		
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	NOW
	9	English I	Algebra 1	Physical Science	World History	*Manufacturing I *Manufacturing 2	Experiential Learning College Career Pathways	Requires up to 12 months of on-the-job experience and informal training
L	10	English II	Algebra 2	Biology	Civics/US History II	*Manufacturing NVCC	☐ Early College Experience ☐ Industry Recognized Credentials ☐ Employability Skills	➤ Painter, Transportation Equipment ➤ Structural Metal Fabricators and Filters
	11	English III	Geometry	Approved science course (forensies, environmental science)	US History III	*Manufacturing NVCC	☐ Capstone Projects ☐ Work Based Learning Experiences	NEXT
L		(	College Placement Asses	sments-Academic/Care	er Advisement Provided	Physical & Health Education World Language	Requires more than 12 months of on-the-job training	
	12	English IV Public Speaking	Pre-Calculus	ssments-Academic/Career Advisement Provided  AP Psychology AP Gov and Pol AP Com	*Manufacturing NVCC		► CNC Machine Tool Programmers, Metal and Plastic	
L		Dual Credit - Postsecon	dary courses may be ta	ken/moved to the secon-	dary level for articulation	/dual evadit numaras		► Machinists
L	13	AP English			Psychology/Sociology	Manufacturing NVCC	Experiential Learning	► Tool and Die Makers  LATER
L	14				Contemporary Issues .5 Law and Society .5	Benchwork, Grinding, Lathe, Milling Sawing & Drilling, CNC, CAD	Practicum  Portfolio	Requires a minimum of postsecondary vocational training of work experience in another occupation
	15					Benchwork, Grinding, Lathe, Milling Sawing & Drilling, CNC, CAD	Professional Skills Internship Job Shadow	► Computer and Information Systems Managers
	16					Benchwork, Grinding, Lathe, Milling Sawing & Drilling, CNC, CAD		► Mechanical Engineering Technician

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

Cluster: Construction, Manufacturing & Industrial Systems Pathway: Transportation Operations Career Pathway Program of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty This Career Pathway Program of Study (Aerospace) 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 CTE Courses English Recommended Other Courses Grade Math Degree Major Courses Science Social Studies Language Arts Recommended Electives SAMPLE Occupations Relating to This Pathway Aerospace Career Learner Activities Pathway 687 Interest Inventory Administered and Plan of Study Initiated for all Learners 8 8th Grade LA 8th Grade Math 8th grade science \*Robotics & Automation 1 US History I Clubs \*Robotics & Automation 2 After School Programs Requires a minimum of 12 months of on-the-job training to an Associate's 9 English I Experiential Learning Algebra 1 Physical Science World History \*Aviation & Flight Science 1 College Career Pathways SECONDARY Early College Experience 10 English II Civics/US History II Algebra 2 Biology Industry Recognized Credentials ► Electrican and Electronics Engineering Technicians Drone Technology & Engineering AP Euro Employability Skills ► Industrial Engineering Technicians US History III 11 Capstone Projects English III Geometry ► Electrical and Electronics Drafters ECE Amerian Studies Chemistry Work Based Learning Experiences \*Drone Operator Prep ► Electro-Mechanical Technicians AP US History Fine Arts College Placement Assessments-Academic/Career Advisement Provided Physical & Health Education English IV AP Gov and Pol AP Com 12 World Language Pre-Calculus **Physics** Public Speaking \*Aviation & Flight Science 2 Extra Curricular Activities Requires a Bacehlor's Degree or higher Dual Credit - Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes ► Materials Scientists 13 UConn Physics, AP POST SECONDARY AP English AP Calculus ► Electronics Engineers, Except Computer sychology/ Sociolog \*Software Development 1 Experiential Learning Physics ► Computer Hardware Engineers Contemporary Practicum 14 AP Statistics ► Materials Engineers Issues 5 Law and Portfolio ► Engineering Manager Society 5 **Employability Skills** 15 ► Mechanical Engineer Professional Skills ► Robotics Engineer Internship 16 Job Shadow Completion of specialized LATER courses Requires a Master's Degree or higher Crosby, Kennedy, Wilby, WCA, WAMS IASSC Lean Six Sigma Certification - Yellow Belt

FAA Part 107 Commercial Drone Pilot Operator License IASSC Lean Six Sigma Certification - White Belt

Grade	Language Arts	Math	Science	Social Studies	CTE Courses Degree Major Courses Therapeutic Services Career Pathway	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathway
0 & /		Interest Inventory Ad	ministered and Plan o	f 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 informatraining
9	English I	Algebra 1	Physical Science	World History	*Bulldogs, Eagles, Spartans, Wildcats Business	Experiential Learning     College Career Pathways	▶ Dental Assistant
10	English II	Algebra 2	Biology	Civics/US History II AP Euro	Foundations of Health	☐ Early College Experience ☐ Industry Recognized Credentials ☐ Employability Skills	► Dental Laboratory Technician  NEXT
11	English III	Geometry	Chemistry	US History III AP US History ECE American	Nurse Assistant CNA "Nurse Assistant CNA Clinical	Capstone Projects     Work Based Learning Experiences     Fine Arts	Requires postsecondary vocational training or an Associate's Degree
	Colle	ge Placement Assess	sments-Academic/Care	eer Advisement Provid	ed	Physical & Health Education	
12	English IV Public Speaking	Pre-Calculus	Anatomy and Physiology	AP Gov and Pol AP Com	*AH 2 Pharmacy Technician Health Science Careers	☐ World Language ☐ Extra Curricular Activities	➤ Dental Hygienist ➤ Certified Nursing Assistant (CNA)
Dual	Credit - Postsecondary	courses may be take	en/moved to the secon	dary level for articular	tion/dual credit purposes		► Clinical Medical Assistant
13	AP English			Issues .5 Law and	Intro AH Professions UCONN	Experiential Learning	➤ EMT/Paramedic ➤ Licensed Practical Nurse (LPN) ➤ Pharmacy Technician
14				Psychology.5 Sociology.5	Physical Therapy	Portfolio  Employability Skills  Professional Skills  Internship  Physical Therapist  Physical Therapy Assistant  Radiologic Technician	► Physical Therapist
15					AH Medical Terminology UCONN		H Medical Terminology UCONN  Professional Skills Internship
16					Completion of AH Specialization	Job Shadow	ATER Requires a minimum of a Bachelor's Degree or a Professional Degree
	Crosby I	Kennedv, Wilby,	MCA				
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Cluster: Education & Training

Pathway: Teacher Prep

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

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

	Grade 6 & 7	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 Pathwa
ŀ	56/		nterest Inventory Ad	ministered and Plan o	of Study Initiated for a	Learners		NOW
L	8	8th Grade LA	8th Grade Math	8th grade science		*Exploratory Courses	Clubs After School Programs	Requires from one month of on-the-job experience to Associate's Degree
Į.	9	English I	Algebra 1	Physical Science	World History	*Child Development	Experiential Learning     College Career Pathways	► Teacher Assistants
L	10	English II	Algebra 2	Biology	Civics/US III AP European History	*Teacher Prep 1	Early College Experience Industry Recognized Credentials Employability Skills	➤ Fitness Instructors ➤ Self Enrichment Education Workers
L	11	Geometry course (forensics,			US III AP US History III	*Teacher Prep 2 *Teacher Prep 3	☐ Capstone Projects ☐ Work Based Learning Experiences	<ul> <li>▶ Library Technicians</li> <li>▶ Preschool Teachers, Except Special Education</li> </ul>
L		Colle	ge Placement Asses:	sments-Academic/Car	eer Advisement Provi	Fine Arts	NEXT	
	12	English IV Public Speaking	Pre-Calculus	AP PSychol	ogyAP Comp GovAP C	*Teacher Prep 4	Physical & Health Education     World Language     Extra Curricular Activities	equires a minimum of a Bachelor's Degree
	Dual C	redit - Postsecondary	courses may be take	en/moved to the secon	ndary level for articula	ation/dual credit purposes		► Elementary School Teachers
1	13	AP English	AP Calculus		Contemporary Issues .5 Law and	Educational Psychology	Experiential Learning	<ul> <li>Middle School Teachers</li> <li>High School Teachers</li> <li>Special Education Teachers</li> </ul>
	14				Psychology/Sociology	Education in the U.S.	□ Portfolio	Child, Family and School Social Workers
R	15					Classroom Management / Educational Technology	Professional Skills	LATER Requires a minimum of a Master's Degree
*	16					Content Area Methods / Reading		Education Administrators Postsecondary Teachers

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Child Development Associate Credential (CDA)
Parapro 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

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

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

reveis	Grade	English Language Arts	Math	Science	Social Studies	Degree Major Courses Programming / Software Development Career	Recommended Other Courses Recommended Electives Learner Activities	SAMPLE Occupations Relating to This Pathwa
	00/		Interest Inventory Ad	lministered 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	NOW
	9	English I	Algebra 1	Physical Science	World History	*Software Development 1	Experiential Learning     College Career Pathways	Requires a minimum of 12 months of on-the-job training or certification
	10	English II	Algebra 2	Biology	Civics/US History II	*Software Development 2	Early College Experience Industry Recognized Credentials Employability Skills	➤ Software Applications Tester ➤ Programmer Internship  NEXT
	11	English III	Geometry	Approved science course (forensics, environmental	US History III AP US History	*Software Development 1	Capstone Projects     Work Based Learning Experiences	
-		Colle	ege Placement Asses	sments-Academic/Care	er Advisement Provid	Fine Arts Physical & Health Education	Requires a minimum of a Bachelor's Degree	
L	12	English IV Public Speaking	Pre-Calculus	AP Psychology	AP Gov and Pol AP Com	*Software Development 2	☐ World Language ☐ Extra Curricular Activities	► Software Developers, Applications
L	Dual C	Credit - Postsecondar	y courses may be tak	en/moved to the secon	dary level for articulat	ion/dual credit purposes		➤ Software Developers, Systems Software
	13	AP English	AP Calculus		Psychology.5 Sociology.5	ersuda purposes	Experiential Learning	➤ Applications Analyst ➤ Game Developer ➤ Programmer
L	14		AP Statistics		Contemporary Issues .5 Law and Society .5	E	Portfolio	LATER
	15					Analysis of Algorithms	Professional Skills Internship	Requires a Bachelor's Degree or higher
	16					Advanced Scripting Concepts	JOD SHEGOW	➤ Applications Engineer ➤ Computer Engineer ➤ Program Manager

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Cluster: Information Technology & Engineering Pathway: Web & Digital Communication Career Pathway Program of Study for ▶ Learners ▶ Parents ▶ Counselors ▶ Teachers/Faculty

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

reveis	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 Pathwa
8	00/		Interest Inventory Add	ministered and Plan of	f Study Initiated for al		TO THE STREET OF THE STREET OF THE STREET	
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	Exploratory Courses	Clubs After School Programs	
L	9	English I	Algebra 1	Physical Science	World History	*Graphic Communications 1 & 2	Experiential Learning     College Career Pathways	Sample Occupations Relating to This Pathway  Web Developer  3D Artist  Audio/Visual Engineer
L	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	Video Production 1	Industry Recognized Credentials	
L	11	English III	Geometry	Approved science course (forensics, environmental	US History III AP US History	Video Production 2	☐ Capstone Projects☐ Work Based Learning Experiences	
L		Coll	ege Placement Assess	ments-Academic/Care	Dhawlast 6 than 8 Fr	Designer		
	12	English IV Public Speaking	Pre-Calculus	AP Psychology	AP Gov and Pol AP Com	*Marketing 1	World Language  Extra Curricular Activities	Media Specialist Production Assistant Programmer
L	Dual C	redit - Postsecondar	y courses may be take	en/moved to the secon		Steaming Media Specialist		
L	13	AP English	Computer Science		Psychology.5 Sociology.5	Principles of Marketing NVCC	Experiential Learning Practicum Portfolio	Virtual Reality Specialist Web Designer Webmaster Social Networking Specialist Search Engine Marketing Specialist
	14		Programming		Contemporary Issues .5 Law and Society .5			
	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

Cluster: IT & Engineering

Pathway: Engineering Design & Development

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

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

reveis	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
	6&7		nterest Inventory Ad	ministered and Plan	of Study Initiated for all			
	8	8th Grade LA	8th Grade Math	8th grade science	US History I	*Robotics & Automation 1 *Robotics & Automation 2	Clubs After School Programs	NOW  Requires a minimum of 12 months of on-the-job training to an Associate's Degree  Electrican and Electronics Engineering Technicians Industrial Engineering Technicians Electrical and Electronics Drafters Electrical Technicians
	9	English I	Algebra 1	Physical Science	World History		Experiential Learning     College Career Pathways	
	10	English II	Algebra 2	Biology	Civics/US History II AP Euro	*Electronics 1 *Electronics 2	□ Early College Experience □ Industry Recognized Credentials □ Employability Skills	
L	11	English III	Geometry	Chemistry	ECE American StudiesAP	*Conceptional Engineering Milestones	Capstone Projects     Work Based Learning Experiences	
		Colle	ge Placement Asses:	sments-Academic/Ca	Fine Arts Physical & Health Education	· Senincialis		
	12	English IV Public Speaking	Pre-Calculus	Physics	AP Psychology AP Gov and Pol	*Engineering Design Process	☐ World Language	NEXT Requires a Bacehlor's Degree or higher
	Dual C	redit - Postsecondary	courses may be tak	en/moved to the seco		► Materials Scientists		
	13	AP English	AP Calculus	UCONN Physics AD	ary Issues .5 Law and :	AutoCAD NVCC	- Experiential Learning	<ul> <li>▶ Materials Scientists</li> <li>▶ Electronics Engineers, Except Computer</li> <li>▶ Computer Hardware Engineers</li> </ul>
L	14		AP Statistucs		Psychology/Sociolo gy	Robotics	Portfolio	► Materials Engineers ► Engineering Manager
L	15						□ Professional Skills □ Internship □ Job Shadow	➤ Mechanical Engineer ➤ Robotics Engineer  LATER Requires a Master's Degree or higher
	16					Completion of specialized courses		

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Precision Exams Certificate
IASSC Lean Six Sigma Certification - Yellow Belt
IASSC Lean Six Sigma Certification - White Belt