

**LCS Career Pathways & Courses
2024-2025**

Cluster	Pathways	Courses (*Pathway Concentrator)
Agriculture, Food and Natural Resources	Animal Science Pathway (ELHS)	AA21 Animal Science I/I H *AA23 Animal Science II/II H- Companion Animal (ELHS) *AA22 Animal Science II H-Food Animal (WLHS)
	Plant Systems Pathway (ELHS, WLHS)	AP41 Horticulture I/I H - Introduction to Plants *AP44 Horticulture II H - Landscape Construction
	Power, Structural & Technical Systems Pathway (WLHS)	AS31 Agricultural Mechanics I/ I H *AS32 Agricultural Mechanics II H
	Sustainable Agriculture Pathway (ELHS)	AU21 Sustainable Agriculture Production I/I H *AU22 Sustainable Agriculture Production II/II H
	Supplemental Technical Course	AU10 Foundations of Agriculture
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

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Cluster	Pathways	Courses (*Pathway Concentrator)
Arts, A/V Technology & Communication	Adobe Academy Pathway	CD10 Adobe Visual Design I/I H *CD11 Adobe Visual Design II/II H *CD12 Adobe Digital Design I/I H *CD14 Adobe Video Design I/I H
	Supplemental Technical Course	MM51 Marketing I/I H
	Adobe Video Design	CD14 Adobe Video Design I/I H *CD15 Adobe Video Design II/II H
	Supplemental Technical Courses	CD10 Adobe Visual Design I/I H CD12 Adobe Digital Design I/I H CS20 Computer Science I/I H MM51 Marketing I/I H
	Apparel & Textile Production Pathway	FA31 Apparel and Textile Production I/I H *FA32 Apparel & Textile Production II/II H
	Supplemental Technical Courses	MI21 Fashion Merchandising/H CD10 Adobe Visual Design I/I H GS11 Project Management I/I H
	3D Modeling and Animation Pathway	CD20 3D Modeling and Animation I/I H *CD21 3D Modeling and Animation II/II H
	Supplemental Technical Course	CD10 Adobe Visual Design I/I H CD11 Adobe Visual Design II/II H CD14 Adobe Video Design I/I H CD15 Adobe Video Design II/II H CD30 Game Art Design/H
	Game Art Design Pathway	CD20 3D Modeling and Animation I/I H *CD30 Game Art Design/H
	Supplemental Technical Courses	CD12 Adobe Digital Design I/H MM51 Marketing I/I H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

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Cluster	Pathways	Courses (*Pathway Concentrator)
Architecture and Construction	Carpentry Career Pathway	IC00 Construction Core IC21 Carpentry I *IC22 Carpentry II H
	Supplemental Technical Course	None
	Drafting Architectural Pathway	IC61 Drafting I H *IC62 Drafting II H – Architectural
	Supplemental Technical Course	FI21 Interior Design Fundamentals/H GS11 Project Management I/I H
	Electrical Trades Pathway	IC00 Construction Core IC41 Electrical Trades I H *IC42 Electrical Trades II H
	Supplemental Technical Course	None
	HVACR Pathway	IC00 Construction Core IC31 HVACR I H *IL32 HVACR II H
	Supplemental Technical Course	None
	Interior Design Pathway	FI21 Interior Design Fundamentals/H *FI22 Interior Design Studio/H *FI23 Interior Design Technology H
	Supplemental Technical Courses	FC11 Principles of Family and Human Services/H IC61 Drafting I H CD10 Adobe Visual Design I/I H FA31 Apparel & Textile Production I/I H GS11 Project Management I/I H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

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Cluster	Pathway	Courses (*Pathway Concentrator)
Business Management and Administration	General Management Pathway	BF10 Business Essentials/H BB40 Business Management I/I H *BB42 Business Management II/II H
	Supplemental Technical Courses	BA10 Accounting I/I H BB30 Business Ethics and Law I/I H CC11 MS Excel H
	Project Management Pathway	GS11 Project Management I/I H *GS12 Project Management II H
	Supplemental Technical Courses	BF10 Business Essentials CC11 MS Excel H
	Business Ethics and Law Pathway	BB30 Business Ethics and Law I/I H *BB32 Business Ethics and Law II/II H
	Supplemental Technical Courses	BA10 Accounting I/I H CC11 MS Excel H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

Cluster	Pathway	Courses (*Pathway Concentrator)
Education & Training	Teaching/Training	FE21 Teaching as a Profession I H *FE22 Teaching as a Profession II H
	Supplemental Technical Course	FC11 Principles of Family and Human Services/H FC13 Counseling and Mental Health I/I H FE60 Child Development
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

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Cluster	Pathway	Courses (*Pathway Concentrator)
Finance	Accounting Pathway	BA10 Accounting I/I H *BA20 Accounting II H
	Supplemental Technical Course	CC11 MS Excel H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

Cluster	Pathways	Courses (*Pathway Concentrator)
Health Science	Biomedical Technology Pathway	HU40 Health Science I/I H HP71 PLTW Human Body Systems H *HB11 Biomedical Technology/H
	Supplemental Technical Course	HU10 Foundations of Health Science
	Healthcare Professional Pathway	HU40 Health Science I/I H HP71 PLTW Human Body Systems H *HU42 Health Science II/II H HN43 Nursing Fundamentals & Practicum H
	Supplemental Technical Course	FC13 Counseling and Mental Health I/I H FC14 Counseling and Mental Health II/II H FN41 Food and Nutrition I/I H HU10 Foundations of Health Science IP21 Emergency Medical Technology I H
	PLTW Biotechnology Research and Development Pathway	HP70 PLTW Principles of Biomedical Sciences H HP71 PLTW Human Body Systems H *HP72 PLTW Medical Interventions H
	Supplemental Technical Course	None
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

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Cluster	Pathways	Courses (*Pathway Concentrator)
Hospitality & Tourism	Sport and Event Marketing	MH31 Sport and Event Marketing I/I H *MH32 Sport and Event Marketing II H
	Supplemental Technical Course	CC11 MS Excel H GS11 Project Management I/I H
	Hospitality and Tourism Pathway	FH31 Hospitality and Tourism Management I/I H *FH32 Hospitality and Tourism Management II/II H
	Supplemental Technical Course	BF10 Business Essentials/H GS11 Project Management I/I H MH31 Sport and Event Marketing I/I H MM51 Marketing I/I H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

Cluster	Pathway	Courses (*Pathway Concentrator)
Human Services	Food & Nutrition Pathway	FN41 Food and Nutrition I/I H *FN42 Food and Nutrition II/II H
	Supplemental Technical Course	FC11 Principles of Family and Human Services/H
	Counseling & Mental Health Pathway	FC13 Counseling and Mental Health I/I H *FC14 Counseling and Mental Health II/II H
	Supplemental Technical Course	FC11 Principles of Family and Human Services/H FE60 Child Development
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

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Cluster	Pathways	Courses (*Pathway Concentrator)
Information Technology	AP Computer Science Pathway	0A02 AP Computer Science Principles *2A02 AP Computer Science A
	Supplemental Technical Course	CI00 CompTIA IT Fundamentals /H CC11 MS Excel H
	Computer Engineering Pathway	CI00 CompTIA IT Fundamentals /H CI01 Computer Engineering Technology I H *CI02 Computer Engineering Technology II H
	Supplemental Technical Course	None
	Computer Science Principles Pathway	CS20 Computer Science I/I H *0A02 AP Computer Science Principles *CS21 Computer Science II/II H 2A02 AP Computer Science A
	Supplemental Technical Course	CI00 CompTIA IT Fundamentals /H CC11 MS Excel H
	Network Security Pathway	CI30 Cybersecurity I/I H *CI31 Cybersecurity II H
	Supplemental Technical Course	CI00 CompTIA IT Fundamentals/H
	Python Programming Pathway	CP10 Python Programming I/I H *CP11 Python Programming II H 2A02 AP Computer Science A
	Supplemental Technical Course	CC11 MS Excel H CI00 CompTIA IT Fundamentals /H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint ED45 Career Management

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Cluster	Pathway	Courses (*Pathway Concentrator)
Manufacturing	Advanced Manufacturing Pathway	IM11 Advanced Manufacturing I/I H *IM12 Advanced Manufacturing II/II H IK08 Advanced Manufacturing III/III H IK16 Advanced Manufacturing IV H
	Supplemental Technical Course	GS11 Project Management I/I H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

Cluster	Pathway	Courses (*Pathway Concentrator)
Marketing	Marketing Management Pathway	MM51 Marketing I/I H *MA52 Marketing II/II H
	Supplemental Technical Courses	CD10 Adobe Visual Design I/I H BF10 Business Essentials/H
	Supplemental Employability Courses	CC10 MS Word/PowerPoint/H ED45 Career Management

Cluster	Pathways	Courses (*Pathway Concentrator)
Public Safety	Firefighter Technology	IP31 Firefighter Technology I *IP32 Firefighter Technology II IP33 Firefighter Technology III H
	Supplemental Technical Course	IP11 Public Safety I/I H
	Emergency Medical Technology Pathway	IP21 Emergency Medical Technology I H *IP22 Emergency Medical Technology II H
	Supplemental Technical Courses	HU40 Health Science I/I H IP11 Public Safety I/I H
	Public Safety	IP11 Public Safety I/I H *IP12 Public Safety II H
	Supplemental Technical Courses	None
	Supplemental Employability Courses	CC10 MS Word and PowerPoint ED45 Career Management

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Cluster	Pathways	Courses (*Pathway Concentrator)
STEM	Drafting Engineering Pathway	IC61 Drafting I H *IV22 Drafting II H – Engineering
	Supplemental Technical Courses	GS11 Project Management I/I H
	PLTW Engineering Pathway	CE10 PLTW Intro to Engineering Design H CE11 PLTW Principles of Engineering H *CE13 PLTW Digital Electronics H
	Supplemental Technical Course	None
	Supplemental Employability Courses	CC10 MS Word andPowerPoint/H ED45 Career Management

Cluster	Pathway	Courses (*Pathway Concentrator)
Transportation, Distribution and Logistics	Automotive Services Pathway	IT11 Automotive Service Fundamentals IT16 Automotive Service I *IT17 Automotive Service II H IT18 Automotive Service III H
	Supplemental Technical Course	BF10 Business Essentials/H GS11 Project Management I/I H
	Supplemental Employability Courses	CC10 MS Word and PowerPoint/H ED45 Career Management