Iredell-Statesville Schools Career Pathways (updated 1.25.21)

Agriculture, Food & Natural Resources

Animal Science Career Pathway (ANSC)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	AA21 Animal Science I	AA22 Animal Science II ***OR*** AA23 Animal Science II - Small Animal	AA41 Veterinary Assisting ***OR*** WB01 CTE Advanced Studies ***OR*** WB02 CTE Apprenticeship ***OR*** WB03 CTE Internship

Equine Science Career Pathway (EQSC)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	AA31 Equine Science I	AA32 Equine Science II	AA41 Veterinary Assisting ***OR*** WB01 CTE Advanced Studies ***OR*** WB02 CTE Apprenticeship ***OR*** WB03 CTE Internship

Food Products & Processing Systems Career Pathway (FPPR)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	FN41 Food and Nutrition I	FN43 Food Science and Technology	WB02 CTE Apprenticeship ***OR*** WB03 CTE Internship

Plant Systems Career Pathway (PLSV)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	AP41 Horticulture I	AP42 Horticulture II ***OR*** AP44 Horticulture II – Landscaping ***OR*** AP43 Horticulture II – Turfgrass Management	WB02 CTE Apprenticeship ***OR*** WB03 CTE Internship

Power, Structural, & Technical Systems Career Pathway (PSTE)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	AS31 Agricultural Mechanics I	AS32 Agricultural Mechanics II OR AS33 Agricultural Mechanics II - Small Engines	WB01 CTE Advanced Studies ***OR*** WB02 CTE Apprenticeship ***OR*** WB03 CTE Internship

Sustainable Agriculture Career Pathway (SUAG)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	AU21 Sustainable Agriculture Production I	AU22 Sustainable Agriculture Production II	WB01 CTE Adv. Studies ***OR*** WB02 CTE Apprenticeship ***OR*** WB03 CTE Internship

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

Architecture & Construction

*Carpentry Career Pathway (CARP)- CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IC00 Core and Sustainable Construction	Carpentry I	Carpentry II	WB05 CTE Advanced Studies ***OR*** WB06 CTE Apprenticeship ***OR*** WB07 CTE Internship
Drafting Architectural Career Pathway (DRFA)			
	IC61 Drafting 1	IC62 Drafting II - Architectural	IC63 Drafting III - Architectural ***OR*** WB05 CTE Advanced Studies ***OR*** WB06 CTE Apprenticeship ***OR*** WB07 CTE Internship
Masonry Career Pathway (MASO) - CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IC00 Core and Sustainable Construction	IC11 Masonry I	IC12 Masonry II	IC13 Masonry III ***OR*** WB05 CTE Advanced Studies ***OR*** WB06 CTE Apprenticeship ***OR*** WB07 CTE Internship
HVAC/R Career Pathway (HVAC) - MCC campus			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	First Year: Fall AHR 110 Intro to Refrigeration Second Year: Fall AHR 111 HVACR Electricity	First Year: Spring AHR 180 HVACR Customer Relations AHR 160 Refrigerant Certification Second Year: Spring AHR 113 Comfort Cooling AHR 114 Heat Pump Technology	WB05 CTE Advanced Studies ***OR*** WB06 CTE Apprenticeship ***OR*** WB07 CTE Internship
Electrical Wiring Career Pathway (ELTR) - MCC campus			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

	First Year: Fall ELC 113 Residential Wiring Second Year: Fall ELC 119 NEC Calculations ELC 131 Circuit Analysis I	First Year: Spring ELC 114 Commercial Wiring ELC 115 Industrial Wiring	WB05 CTE Advanced Studies ***OR*** WB06 CTE Apprenticeship ***OR*** WB07 CTE Internship

Interior Design Career Pathway (INDE)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	FI21 Interior Design Fundamentals	FI22 Interior Design Studio	WB05 CTE Advanced Studies ***OR*** WB06 CTE Apprenticeship ***OR*** WB07 CTE Internship

Arts, A/V Technology, & Communications

Adobe Academy Career Pathway (ADAC) - Highlighted Offered at CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	II31 Adobe Visual Design	II33 Adobe Video Design	IK15 Photography/Film Production ***OR*** XXXX Introduction to Animation ***OR*** IL98 Broadcast Journalism ***OR*** WB10 CTE Apprenticeship ***OR*** WB11 CTE Internship

Business Management & Administration

Entrepreneurship Career Pathway (ENTRE)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	ME11 Entrepreneurship I	ME12 Entrepreneurship II	WB14 CTE Apprenticeship ***OR*** WB15 CTE Internship
General Management Career Pathway (GMGT)			

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
BF10 Principles of Business	BB40 Business Management I	BB42 Business Management II	WB14 CTE Apprenticeship ***OR*** WB15 CTE Internship
Project Management Career Pathway (PMGT)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	CS11 Project Management I	CS12 Project Management II	WB14 CTE Apprenticeship ***OR*** WB15 CTE Internship

Education & Training

Teaching/Training (TETR)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	FE21 Teaching as a Profession I	FE22 Teaching as a Profession II	** FE22 is a two credit course and includes a work-based learning experience. A concentrator is automatically a Major.

Finance

Accounting Career Pathway (ACCT)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	BA10 Accounting I	BA20 Accounting II	WB22 CTE Apprenticeship ***OR*** WB23 CTE Internship
Financial Planning Career Pathway (FNPL)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

BF10 Principles of Business	BF21 Financial Planning 1	BF22 Financial Planning 2	WB22 CTE Apprenticeship ***OR*** WB23 CTE Internship

Health Science

Biomedical Technology Career Pathway (BTCP)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	HU40 Health Science I	HB11 Biomedical Technology	WB30 CTE Apprenticeship ***OR*** WB31 CTE Internship
Healthcare Professional Career Pathway (HPCP) - Highlighted Offered at CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	HU40 Health Science I	HU42 Health Science II	HN43 Nursing Fundamentals and Practicum (2 credits) ***OR*** HN44 Fundamentals of Gerontology ***OR*** HN45 Public Health Fundamentals ***OR*** WB30 CTE Apprenticeship ***OR*** WB31 CTE Internship

Hospitality & Tourism

Culinary Arts Applications Career Pathway (CULA) - CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FH10 Culinary Arts & Hospitality I	FH11 Culinary Arts & Hospitality II Applications	FH13 Culinary Arts & Hospitality III	FH14 Culinary Arts & Hospitality IV Applications ***OR*** WB34 CTE Apprenticeship ***OR*** WB35 CTE Internship
Sports & Entertainment Marketing Career Pathway (SEMK)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

	MH31 Sports & Entertainment Marketing I	MH32 Sports & Entertainment Marketing II	WB34 CTE Apprenticeship ***OR*** WB35 CTE Internship

Travel & Tourism Career Pathway (TRTO)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	MH31 Sports & Entertainment Marketing I OR MM51 Marketing OR BF10 Principles of Business and Finance	MH42 Hospitality and Tourism	WB34 CTE Apprenticeship ***OR*** WB35 CTE Internship

Human Services

Food & Nutrition Career Pathway (FONU)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	FN41 Food and Nutrition I	FN42 Food and Nutrition II	FN43 Food Science and Technology OR WB38 CTE Apprenticeship HUMA OR WB39 CTE Internship HUMA

Counseling and Mental Health (CHMC)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	FC13 Counseling and Mental Health I	FC14 Counseling and Mental Health II	WB37 CTE Advanced Studies HUMA OR WB38 CTE Apprenticeship HUMA OR WB39 CTE Internship HUMA

Information Technology

Computer Science Principles Career Pathway (CSPR)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

	BP41 Computer Science Principles I	BP42 Computer Science Principles II ***OR*** 0A02 AP Computer Science Principles	2A02 AP Computer Science ***OR*** CS96 CTE Apprenticeship ***OR*** CS97 CTE Internship

AP Computer Science Career Pathway (APCS)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	0A02 AP Computer Science Principles	2A02 AP Computer Science	WB42 CTE Apprenticeship INFO ***OR*** WB43 CTE Internship INFO
Network Security Career Pathway (NESE)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	BN31 Network Security I or corresponding CCP course	BN32 Network Security II or corresponding CCP course	WB42 CTE Apprenticeship INFO ***OR*** WB43 CTE Internship INFO
Python Programming Career Pathway (PYPR)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	BP14 Python Programming I	BP16 Python Programming II	2A02 AP Computer Science ***OR*** WB42 CTE Apprenticeship INFO ***OR*** WB43 CTE Internship INF

Law, Public Safety, Corrections & Security

Emergency Management Career Pathway (EMMG) - CATS via MCC			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
		WC20 Emergency Medical Technician (EMS 110)	WB46 CTE Apprenticeship LAW ***OR*** WB47 CTE Internship LAW
FireFighter Technology Career Pathway (FIFI) - CATS			
Recommended Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

IP11 Public Safety I **(*Offered at 5 base high schools)**	IP31 FireFighter Technology I	IP32 FireFighter Technology II	IP33 FireFighter Technology III ***OR*** ***OR*** WB46 CTE Apprenticeship LAW ***OR*** WB47 CTE Internship LAW

Manufacturing

Welding Career Pathway (WELD) - CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IM61 Welding Technology1	IM62 Welding Technology II	IM63 Welding Technology ***OR*** WB50 CTE Apprenticeship ***OR*** WB51 CTE Internship MANU
Metals Manufacturing Career Pathway (MEMA) - CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IM41 Metals Manufacturing Technology I	IM42 Metals Manufacturing Technology II	WB50 CTE Apprenticeship ***OR*** WB51 CTE Internship MANU
Mechanical Engineering Essential Skill Career Pathway (MEES) - SHS & NIHS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	CC45 Career Management or IC61 Drafting 1 or AS31 Ag Mechanics 1	Mechanical Engineering Essential Skills LCO	WB50 CTE Apprenticeship ***OR*** WB51 CTE Internship MANU

Marketing

Marketing Management Career Pathway (MMGT)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	MM51 Marketing	MA52 Marketing Applications	Cooperative Education ***OR*** WB54 CTE Apprenticeship ***OR*** WB55 CTE Internship

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

Science, Technology, Engineering, & Mathematics

Technology, Engineering & Design Career Pathway (TEND)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	TE11 Technology Engineering & Design	TE13 Engineering Design	WB58 CTE Apprenticeship OR WB59 CTE Internship STEM

Electronics Career Pathway (ELEC) - CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IM31 Electronics 1	IM32 Electronics 2	WB58 CTE Apprenticeship OR WB59 CTE Internship STEM

Drafting Engineering Career Pathway (DREN)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IC61 Drafting I	IV22 Drafting II – Engineering	IV23 Drafting III – Engineering OR WB58 CTE Apprenticeship OR WB59 CTE Internship STEM

Transportation, Distribution & Logistics

Automotive Services Career Pathway (AUTO) - CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IK28 Introduction to Transportation Technology LCO **(*Offered at 5 base high schools)**	IT11 Automotive Service Fundamentals & ILO4 Basic Transportation Systems LCO	IT16 Automotive Service I & IL16 General Transportation Systems LCO	IK26 Advanced Transportation Systems ***OR*** ***IK27 Specialized Transportation Technology OR*** WB62 CTE Apprenticeship ***OR*** WB63 CTE Internship TRAN

Drone Technology Career Pathway (DRON) - CATS			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science

Iredell-Statesville Schools Career Pathways (updated 1.25.21)

	ID10 ID11	**ID12**	

Students must take the foundation perquisite (if applicable), prerequisite, and concentrator course to be a CTE Concentrator.

Other courses available but not limited to: AU10 Agriscience Applications, CC45 Career Management, FC11 Principles of Family & Human Services, FE60 Child Development, BB30 Business Law, HU10 Foundations of Health Science