

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
	<u>First Year: Fall</u> AHR 110 Intro to Refrigeration <u>Second Year: Fall</u> AHR 111 HVACR Electricity	<u>First Year: Spring</u> AHR 180 HVACR Customer Relations AHR 160 Refrigerant Certification <u>Second Year: Spring</u> 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)

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

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 OA02 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
	OA02 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 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 prerequisite (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