



CTS Specialized Skill Pathways

A pathway is a selection of courses providing students with opportunities to explore and acquire the attitudes, skills, knowledge, and values for a career that is personally relevant. Pathways can help students work toward goals that may include university, college, apprenticeship training, or moving directly into the workforce.

A specialized skill pathway is a collection of courses selected and combined by students and teachers to address student interests, employment, further education, and school or community needs.

There is no limit to the possible combinations of courses that could be compiled to create specialized skill pathways. This document has been provided to assist teachers and students in the exploration of attaining occupational skills. These are just a few examples of how pathways can be put together.

Pathway Menu

Select a specialized skill pathway listed below to see all the courses suggested to complete that particular pathway. Pathways are listed in alphabetical order.

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Specialized Skill Pathways Descriptions

Administrative Assistant

INF1030: Word Processing 1	MAM2050: Office Systems 1
INF1060: Spreadsheet 1	MAM2055: Office Administration
INF2050: Word Processing 2	MAM2060: Communication Strategies 2
INF2080: Spreadsheet 2	MAM2065: Professional Communication
INF2090: Correspondence	MAM2080: Records Management 1
INF2100: Reports	MAM3070: Office Systems 2
INF3060: Word Processing 3	MAM3080: Communication Strategies 3
MAM1030: Communication Strategies 1	MAM3090: Records Management 2

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Agriculture Management

ENS1020: Fostering Stewardship	FIN2030: Retail Accounting 2
ENS1030: Consumerism	FIN3040: Financial Statements
ENS1110: Natural Resources	FIN3050: Small Business Taxation
ENS1115: Resource Management	FIN3060: Financial Analysis
ENS2030: Ecological Economics	FIN3070: Financial Planning
ENS2140: By-product Management	INF3080: Project Management Tools
ENS3030: The Green Economy	MAM1010: Marketing & Management
FIN1015: Accounting Prep	MAM1050: Agriculture Consumer Products & Services
FIN1020: Accounting Cycle 1	MAM2010: Managing for Quality
FIN1030: Accounting Cycle 2	MAM2040: Retail Operations
FIN2020: Retail Accounting 1	MAM3130: Agriculture Marketing

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Amateur Photographer

COM1005: Visual Composition	COM2205: Photography – Composition
COM1205: Photography – Introduction	COM3245: Photography – Outdoor
COM1215: Photography – Exposure	

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Animator

COM1005: Visual Composition	COM2145: Animation 2
COM1015: Media	COM3145: Animation 3
COM1145: Animation 1	

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Auto Body Repair

MEC1160: Structures & Materials	MEC3160: Body Repair Estimation
MEC1170: Metal Forming & Finishing	MEC3170: Damage Analysis
MEC1190: Surface Preparation 1	MEC3180: Damage Repair 1
MEC2170: Metal Repair & Finishing	MEC3190: Damage Repair 2
MEC2190: Surface Preparation 2	MEC3200: Refinishing 2
MEC2200: Refinishing 1	MEC3210: Plastic & Fibreglass
MEC2210: Touch-up & Finishing	MEC3230: Refinishing 3
MEC2220: Interior Repairs	

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Basic Programming

CSE1010: Computer Science 1	CSE2130: Files & File Structures 1
CSE1110: Structured Programming 1	CSE2140: Second Language Programming 1
CSE1120: Structured Programming 2	CSE3010: Computer Science 3
CSE2010: Computer Science 2	CSE3120: Object-oriented Programming 1
CSE2110: Procedural Programming 1	CSE3130: Object-oriented Programming 2
CSE2120: Data Structures 1	CSE3140: Second Language Programming 2

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Bookkeeping & Accounting – Business

FIN1015: Accounting Prep	FIN3010: Advanced Accounting
FIN1020: Accounting Cycle 1	FIN3020: Management Accounting
FIN1030: Accounting Cycle 2	FIN3030: Capital Accounting
FIN2020: Retail Accounting 1	FIN3040: Financial Statements
FIN2030: Retail Accounting 2	FIN3060: Financial Analysis
FIN2040: Accounting Software	FIN3070: Financial Planning
FIN2070: Payroll Accounting	MAM2080: Records Management 1

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Bookkeeping & Accounting – Personal

FIN1010: Personal Financial Information	INF1050: Database 1
FIN2060: Personal Taxation	INF1060: Spreadsheet 1
FIN3080: Personal Investment Planning 1	INF2080: Spreadsheet 2
FIN3090: Personal Investment Planning 2	

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Business Basics

FIN1015: Accounting Prep	MAM2010: Managing for Quality
FIN1020: Accounting Cycle 1	MAM2040: Retail Operations
FIN1030: Accounting Cycle 2	MAM2050: Office Systems 1
FIN2020: Retail Accounting 1	MAM2080: Records Management 1
FIN2030: Retail Accounting 2	MAM2090: Promotion – Print Advertising
FIN3050: Small Business Taxation	MAM3040: Promotion – Sales Techniques
MAM1010: Marketing & Management	MAM3090: Records Management 2
MAM1020: Quality Customer Service	

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Cabinet Manufacturer

CON1010: Construction Tools & Materials	CON2190: Manufacturing Systems
CON1120: Product Management	CON2200: Product Development
CON1130: Solid Stock Construction	CON3160: Cabinetmaking – Cabinets & Countertops
CON2130: Furniture – Box Construction	CON3170: Cabinetmaking – Layout & Installation
CON2160: Cabinetmaking – Web & Face Frame	CON3190: Production Planning
CON2170: Cabinetmaking – Door & Drawer	CON3200: Production Management

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Concrete Finisher

CON1010: Construction Tools & Materials
 CON1070: Building Construction
 CON1120: Product Management
 CON1160: Manufactured Materials
 CON2010: Site Preparation

CON2020: Concrete Forming
 CON2030: Alternative Foundations
 CON3010: Concrete – Structures & Finishes
 CON3020: Masonry Work – Structures & Finishes

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Control Systems Analyst

ELT1010: Electro-assembly 1
 ELT1080: Control Systems 1
 ELT1110: Security Systems 1

ELT2080: Control Systems 2
 ELT2110: Security Systems 2

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Digital Technologist

ELT1010: Electro-assembly 1
 ELT2010: Electro-assembly 2
 ELT2020: Electrical Servicing
 ELT3020: Electronic Servicing
 MAM1020: Quality Customer Service
 MAM2040: Retail Operations
 MAM3060: Setting Up a Retail Store

NET1010: Digital Technology 1
 NET2010: Digital Technology 2
 NET2020: Workstation Technology & Operations
 NET2080: Laptops & Peripherals
 NET3010: Digital Technology 3
 NET3020: Digital Applications
 NET3030: Microprocessors
 NET3040: Microprocessor Interface

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Display Designer

FAS1010: Fashion Dynamics
 FAS1020: Textiles & Their Care
 FAS2140: Fashion Merchandising
 FAS3140: Fashion Retailing
 MAM1010: Marketing & Management
 MAM1020: Quality Customer Service
 MAM1030: Communication Strategies 1
 MAM1040: E-commerce 1

MAM2030: Visual Merchandising
 MAM2040: Retail Operations
 MAM2090: Promotion – Print Advertising
 MAM3010: The Business Organization
 MAM3030: Business in the Global Marketplace
 MAM3040: Promotion – Sales Techniques
 MAM3060: Setting Up a Retail Store

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E-commerce

COM1005: Visual Composition
 COM1055: Web Design 1
 COM2055: Web Design 2
 MAM1010: Marketing & Management
 MAM1020: Quality Customer Service
 MAM1030: Communication Strategies 1
 MAM1040: E-commerce 1
 MAM2010: Managing for Quality

MAM2060: Communication Strategies 2
 MAM2080: Records Management 1
 MAM2090: Promotion – Print Advertising
 MAM2110: E-commerce 2
 MAM3050: Distributing Goods & Services
 MAM3120: E-commerce 3
 NET2110: Telecommunications 1
 NET3110: Telecommunications 2

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Entrepreneurship – Advanced

ENT1010: Challenge & Opportunity	FIN1015: Accounting Prep
ENT1020: Elements of a Venture Plan	FIN1020: Accounting Cycle 1
ENT2010: Analyzing Ventures	FIN1030: Accounting Cycle 2
ENT2020: Financing Ventures	FIN2020: Retail Accounting 1
ENT2030: Marketing the Venture	FIN2030: Retail Accounting 2
ENT2040: Create the Venture	FIN3020: Management Accounting
ENT3010: Managing the Venture	FIN3030: Capital Accounting
ENT3020: Expanding the Venture	

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Entrepreneurship – Basic

ENT1010: Challenge & Opportunity	ENT2030: Marketing the Venture
ENT1020: Elements of a Venture Plan	ENT2040: Create the Venture
ENT2010: Analyzing Ventures	ENT3010: Managing the Venture
ENT2020: Financing Ventures	ENT3020: Expanding the Venture

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Fashion Designer

FAS1000: Fashion Illustration 1	FAS2100: Sewing for Others
FAS1010: Fashion Dynamics	FAS2130: Construction Fundamentals 2
FAS1020: Textiles & Their Care	FAS2140: Fashion Merchandising
FAS1030: Sewing Fundamentals	FAS3000: Fashion Illustration 3
FAS1130: Construction Fundamentals 1	FAS3020: Computer-aided Pattern Design 2
FAS2000: Fashion Illustration 2	FAS3040: Contemporary Tailoring
FAS2030: Computer-aided Pattern Design 1	FAS3050: Flat Pattern 2
FAS2040: Evolution of Fashion	FAS3060: Couture
FAS2050: Flat Pattern 1	FAS3150: Draping

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Fashion Marketing

FAS1010: Fashion Dynamics	FAS3140: Fashion Retailing
FAS1020: Textiles & Their Care	INF1070: Digital Presentation
FAS2140: Fashion Merchandising	MAM1010: Marketing & Management

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Green Building Design and Construction

CON1010: Construction Tools & Materials	CON3090: Renovations/Restorations
CON1070: Building Construction	CTR1010: Job Preparation
CON2010: Site Preparation	DES1020: The Design Process
CON2020: Concrete Forming	DES1050: CAD 1
CON2030: Alternative Foundations	DES2055: CAD 2
CON2035: Framing Systems – Floor	DES3095: Architectural Design
CON2045: Framing Systems – Wall	DES3125: Interior Design
CON2050: Roof Structures 1	DES3135: Landscape Design
CON2060: Doors, Windows & Siding	ENS1020: Fostering Stewardship
CON2070: Electrical Systems	ENS1040: Living with the Environment
CON2080: Plumbing Systems	ENS2210: Sustainable Building Design & Construction
CON2090: Climate Control Systems	ENS2220: Energy Conservation Principles
CON3080: Energy-efficient Housing	ENS3220: Energy Conservation Applications

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Home Inspector

CON1010: Construction Tools & Materials	CON2080: Plumbing Systems
CON1070: Building Construction	CON2090: Climate Control Systems
CON2020: Concrete Forming	CON3010: Concrete – Structures & Finishes
CON2030: Alternative Foundations	CON3020: Masonry Work – Structures & Finishes
CON2035: Framing Systems – Floor	CON3050: Roof Structures 2
CON2045: Framing Systems – Wall	CON3080: Energy-efficient Housing
CON2050: Roof Structures 1	CON3105: Commercial Structures
CON2060: Doors, Windows & Siding	CON3210: Framing Systems – Advanced
CON2070: Electrical Systems	

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Internet Computing

COM1005: Visual Composition	CSE1220: Client-side Scripting 2
COM1055: Web Design 1	CSE2110: Procedural Programming 1
COM2055: Web Design 2	CSE2120: Data Structures 1
COM3085: Content Management Systems	CSE2210: Client-side Scripting 3
CSE1010: Computer Science 1	CSE3210: Server-side Scripting 1
CSE1110: Structured Programming 1	INF3010: Hardware & Software Analysis
CSE1120: Structured Programming 2	NET2110: Telecommunications 1
CSE1210: Client-side Scripting 1	NET3110: Telecommunications 2

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Machinist

FAB1010: Fabrication Tools & Materials	FAB2160: Custom Fabrication
FAB1130: Principles of Machining	FAB3130: Precision Turning 2
FAB1160: Production Systems	FAB3140: Precision Milling 2
FAB2130: Precision Turning 1	FAB3150: CNC Milling
FAB2140: Precision Milling 1	FAB3160: Prefabrication Principles
FAB2150: CNC Turning	

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Management

FIN1015: Accounting Prep	FIN3070: Financial Planning
FIN1020: Accounting Cycle 1	INF3080: Project Management Tools
FIN1030: Accounting Cycle 2	MAM1010: Marketing & Management
FIN2020: Retail Accounting 1	MAM2010: Managing for Quality
FIN2030: Retail Accounting 2	MAM3010: The Business Organization
FIN3020: Management Accounting	MAM3020: Business in the Canadian Economy
FIN3040: Financial Statements	MAM3030: Business in the Global Marketplace
FIN3060: Financial Analysis	TOU3060: Destination Management

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Mechanic – Introduction

MEC1015: Mechanics Tools & Materials	MEC3030: Engine Diagnosis
MEC1040: Engine Fundamentals	MEC3040: Engine Tune-up
MEC1090: Electrical Fundamentals	MEC3050: Engine Replacement
MEC2030: Lubrication & Cooling	MEC3060: Engine Reconditioning – Head
MEC2040: Fuel & Exhaust Systems	MEC3070: Engine Reconditioning – Block
MEC2060: Ignition Systems	MEC3090: Computer Systems
MEC2070: Emission Controls	MEC3110: Climate Control

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Metal Die Casting

FAB1010: Fabrication Tools & Materials	FAB2120: Foundry – Split Pattern
FAB1090: Sheet Fabrication 1	FAB3120: Foundry – Core Moulding
FAB1120: Foundry – One-piece Pattern	

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Microprocessor Design & Programming

CSE1010: Computer Science 1	NET1010: Digital Technology 1
CSE1110: Structured Programming 1	NET2010: Digital Technology 2
CSE1120: Structured Programming 2	NET2020: Workstation Technology & Operations
CSE2010: Computer Science 2	NET3010: Digital Technology 3
CSE2110: Procedural Programming 1	NET3020: Digital Applications
CSE3010: Computer Science 3	NET3030: Microprocessors
ELT1050: Electronic Power Supply 1	NET3040: Microprocessor Interface

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Outdoor Guide

CTR1010: Job Preparation	TOU2120: Adventure & Ecotourism 2
ENS1040: Living with the Environment	TOU3120: Adventure & Ecotourism 3
ENS2040: Environmental Health & Safety	WLD1060: Wilderness Navigation
HCS2020: First Aid/CPR with AED	WLD1090: Boating Safety
HSS1020: Nutrition & Wellness	WLD1100: Outdoor Cooking Theory
HSS1030: Communication Skills for Health Professionals	WLD1130: Outdoor Survival Skills
HSS1100: Nature & Wellness	WLD2100: Outdoor Cooking Practice
REC2010: Nutrition for Recreation Activities & Sport	WLD2130: Outdoor Excursion
REC2060: Leadership in Recreation & Sport	WLD3130: Outdoor Leadership
TOU1010: The Tourism Sector	WLD3140: Introduction to Guiding
TOU1120: Adventure & Ecotourism 1	

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Photojournalist

COM1005: Visual Composition	COM2025: Electronic Layout & Publishing 1
COM1015: Media	COM2205: Photography – Composition
COM1205: Photography – Introduction	COM2215: Photography – Communication
COM1215: Photography – Exposure	COM3025: Electronic Layout & Publishing 2
COM2015: Media Impact	COM3215: Photography – Photojournalism

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Podcaster

COM1005: Visual Composition
COM1105: Audio/Video

COM2115: AV Production 1
COM3135: Audio Techniques

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Power Systems

ELT1010: Electro-assembly 1
ELT1030: Conversion & Distribution
ELT1050: Electronic Power Supply 1
ELT2030: Branch Circuit Wiring

ELT2050: Electronic Power Supply 2
ELT3030: Power Systems & Services
ELT3040: Generation/Transformation

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Print Services

COM1005: Visual Composition
COM1015: Media
COM1025: Typography
COM1165: Printing 1

COM2165: Printing 2
COM2285: Com Tech Client Services 1
COM3285: Com Tech Client Services 2

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Residential Framer

CON1010: Construction Tools & Materials
CON1070: Building Construction
CON1120: Product Management
CON1160: Manufactured Materials
CON2035: Framing Systems – Floor
CON2045: Framing Systems – Wall

CON2050: Roof Structures 1
CON2060: Doors, Windows & Siding
CON3040: Stair Construction
CON3050: Roof Structures 2
CON3110: Site Management
CON3210: Framing Systems – Advanced

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Resource Management

ENS1020: Fostering Stewardship
ENS1030: Consumerism
ENS1110: Natural Resources
ENS1115: Resource Management
ENS2030: Ecological Economics
ENS2140: By-product Management
ENS3030: The Green Economy
FIN1015: Accounting Prep
FIN1020: Accounting Cycle 1
FIN1030: Accounting Cycle 2
FIN2020: Retail Accounting 1
FIN2030: Retail Accounting 2

FIN3040: Financial Statements
FIN3050: Small Business Taxation
FIN3060: Financial Analysis
FIN3070: Financial Planning
INF3080: Project Management Tools
MAM1010: Marketing & Management
MAM2010: Managing for Quality
MAM2040: Retail Operations
MAM2130: Energy & Resources Supply & Distribution
MAM3140: Energy & Resources Market Basics & Trends
MAM3150: The Forest Marketplace

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Retail Management

FIN1015: Accounting Prep	MAM2010: Managing for Quality
FIN1020: Accounting Cycle 1	MAM2030: Visual Merchandising
FIN1030: Accounting Cycle 2	MAM2040: Retail Operations
FIN2020: Retail Accounting 1	MAM2080: Records Management 1
FIN2030: Retail Accounting 2	MAM2090: Promotion – Print Advertising
FIN2070: Payroll Accounting	MAM3040: Promotion – Sales Techniques
MAM1010: Marketing & Management	MAM3060: Setting Up a Retail Store
MAM1020: Quality Customer Service	

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Robotics

CSE1010: Computer Science 1	ELT2140: Robotics 2
CSE1110: Structured Programming 1	ELT2160: Robotics Sensor 1
CSE1120: Structured Programming 2	ELT2170: Robotics Sensor 2
CSE1240: Robotics Programming 1	ELT3150: Robotics 3
CSE2110: Procedural Programming 1	ELT3180: Robotics Vision Systems
CSE2240: Robotics Programming 2	ELT3190: Robotics Kinematics & Behaviour
CSE3240: Robotics Programming 3	ELT3200: Robotics Artificial Intelligence
ELT1130: Robotics 1	

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Theatre Costume Designer

FAS1010: Fashion Dynamics	FAS2050: Flat Pattern 1
FAS1020: Textiles & Their Care	FAS2090: Specialty Fabrics 1
FAS1030: Sewing Fundamentals	FAS2130: Construction Fundamentals 2
FAS1050: Redesign, Recycle & Restore	FAS3020: Computer-aided Pattern Design 2
FAS1130: Construction Fundamentals 1	FAS3050: Flat Pattern 2
FAS2030: Computer-aided Pattern Design 1	FAS3080: Cultural Fashions
FAS2040: Evolution of Fashion	FAS3150: Draping

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Tinsmith

FAB1010: Fabrication Tools & Materials	FAB2100: Sheet Fabrication 3
FAB1090: Sheet Fabrication 1	FAB3090: Sheet Fabrication 4
FAB2020: Print Reading	FAB3110: Sheet Fabrication 5
FAB2090: Sheet Fabrication 2	

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Vehicle Service & Care

MEC1015: Mechanics Tools & Materials	MEC2020: Vehicle Maintenance
MEC1020: Vehicle Service & Care	MEC3010: Buying & Selling Vehicles
MEC1090: Electrical Fundamentals	MEC3020: Vehicle Value Appraisal
MEC2010: Vehicle Detailing	

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Videographer

COM1005: Visual Composition	COM2125: AV Postproduction 1
COM1105: Audio/Video	COM3105: AV Preproduction 2
COM1205: Photography – Introduction	COM3115: AV Production 2
COM2105: AV Preproduction 1	COM3125: AV Postproduction 2
COM2115: AV Production 1	COM3165: AV Broadcasting

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Web Designer

COM1005: Visual Composition	COM3055: Rich Media – Basics
COM1055: Web Design 1	COM3065: Rich Media – Programming
COM2055: Web Design 2	COM3075: Cascading Style Sheets

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Web Developer

COM1005: Visual Composition	CSE1210: Client-side Scripting 1
COM1055: Web Design 1	CSE1220: Client-side Scripting 2
COM2055: Web Design 2	CSE2110: Procedural Programming 1
COM2285: Com Tech Client Services 1	CSE2120: Data Structures 1
COM3075: Cascading Style Sheets	CSE2210: Client-side Scripting 3
COM3085: Content Management Systems	CSE3210: Server-side Scripting 1
COM3285: COM Tech Client Services 2	INF3010: Hardware & Software Analysis
CSE1110: Structured Programming 1	NET2110: Telecommunications 1
CSE1120: Structured Programming 2	NET3110: Telecommunications 2

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Welding – Intermediate

FAB1010: Fabrication Tools & Materials	FAB2070: Gas Metal Arc Welding 1
FAB1040: Oxyacetylene Welding	FAB3030: Gas Tungsten Arc Welding
FAB1048: Semi-automated/Automated Welding	FAB3048: Flux Cored Arc Welding 2
FAB1050: Basic Electric Welding	FAB3050: Arc Welding 3
FAB2048: Flux Cored Arc Welding 1	FAB3060: Arc Welding 4
FAB2050: Arc Welding 1	FAB3170: Gas Metal Arc Welding 2
FAB2060: Arc Welding 2	

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Welding – Introduction

FAB1010: Fabrication Tools & Materials	FAB2020: Print Reading
FAB1040: Oxyacetylene Welding	FAB2030: Oxyfuel Welding
FAB1048: Semi-automated/Automated Welding	FAB2040: Thermal Cutting
FAB1050: Basic Electric Welding	FAB2050: Arc Welding 1

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