



2021-2022 BITS Program Course Overview

COURSE	SUBJECT	HOURS	PREREQUISITES
The Human Computer			
BIT1110	What is a computer?	4	
BIT1120	Different Computer Types	4	BIT1110
BIT1130	Computer "Body" Parts	4	BIT1120
BIT1140	Computer Safety & Assembly Lab	4	BIT1130
BIT1150	Troubleshooting: What's wrong with my PC?	4	BIT1140
Soft Skills: Listening			
The "Thinking" Computer			1100 Series
BIT1210	Computer Operating Systems	4	
BIT1220	Installing Operating Systems	4	BIT1210
BIT1230	Computer File Systems	4	BIT1220
BIT1240	Computer Rights & Permissions	4	BIT1230
BIT1250	Computer Networks & Safety	4	BIT1240
Soft Skills: Communicating			
Working with Computers			1200 Series
BIT1310	Computer Applications	4	
BIT1320	Installing Applications	4	BIT1310
BIT1330	Graphic Design: Working with Applications	8	BIT1320
BIT1340	Computer & Internet Safety	4	BIT1330
Soft Skills: Responsibility			
Electronics			1300 Series
BIT1410	Electricity vs Electronics	4	
BIT1420	Welcome to Bit Town	4	BIT1410
BIT1430	Electronic Components	4	BIT1420
BIT1440	Building Electronic Circuits	8	BIT1430
Soft Skills: Logical Thinking			



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Object, Properties, & Methods			
NIB1110	What is programming?	4	
NIB1120	Programming Languages & Platforms	4	NIB1110
NIB1130	Programming Syntax and Components	8	NIB1120
NIB1140	Programming Environments & Tools	4	NIB1130
Soft Skills: Observation			
Web Applications			1100 Series
NIB1210	How do web sites work?	4	
NIB1220	Rules of Communication: Protocols	4	NIB1210
NIB1230	Hypertext Markup Language (HTML)	6	NIB1220
NIB1240	JavaScript: Making Web Pages Interactive	6	NIB1230
Soft Skills: Following Rules			
Mobile Applications			1200 Series
NIB1310	Popular Platforms	4	
NIB1320	Program Design	4	NIB1310
NIB1330	User Interface & Programming Logic	8	NIB1320
NIB1330	Packaging Applications	4	NIB1330
Soft Skills: Procedural Thinking			
Server-Side Applications			1300 Series
NIB1410	What is "The Cloud"?	4	
NIB1420	Server Operating Systems	4	NIB1410
NIB1430	Server Programming Language	8	NIB1420
NIB1440	Storing Application Information	4	NIB1430
Soft Skills: Team Work			

TECHNOFRO