

Interests include: designing and developing applications through programming languages.



Name:
High School:
Plan of Study: IT - Programmer/Analyst



Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Career and Technical Courses Central to this Pathway	Other Required Courses, Electives	Student Organizations/ Community Service		
Career Interest Inventory Administered and Program of Study Initiate for all Learners									
9						<u>Required:</u> <ul style="list-style-type: none"> ▪ <u>Suggested:</u> <ul style="list-style-type: none"> ▪ Accounting ▪ Bookkeeping ▪ Business Math ▪ Computer & Keyboarding ▪ Economics ▪ Psychology 			
10									
11									
College Placement Assessments- Academic/ Career Advisement Provided (Accuplacer, ACT, SAT, etc.) Did you participate in a Youth Apprenticeship?									
12									
Articulation/ Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							Occupations Relating to this Pathway		
General Education Courses					Program Courses		<u>Associate Degree:</u> Computer Specialists Programmer/Analyst Software Developer Web Developer Database Specialist Technical Support Specialist Software Trainer Systems Analyst		
13/14	Oral/Interpersonal Communication Intro to Psychology	Written Communication Math with Business Applications or Introductory Statistics	Introduction to Sociology	Intro to Ethics Economics	<ul style="list-style-type: none"> ▪ Principals of Information Security ▪ Introduction to Programming Using Game Simulation and Animation ▪ Microsoft Access and Logic ▪ Computer Hardware Fundamentals 1 	<ul style="list-style-type: none"> ▪ Web Site Development ▪ C# Programming 1 ▪ Database Applications 	<ul style="list-style-type: none"> ▪ PHP Web Page Scripting or ▪ Perl CGI Web Page Programming ▪ C# Programming 2 ▪ Web-Based Application ▪ JavaScript, XML & CSS ▪ IT Project Management 	<ul style="list-style-type: none"> ▪ Java Programming ▪ Systems Analysis/Design ▪ Advanced.NET Programming ▪ IT – Internship – Career Analysis 	<u>Bachelor's Degree:</u> Computer Programmer Computer Control Programmer Computer Software Engineer Computer Systems Analyst Computer Systems Designer Computer & Information Systems Manager Computer Scientist Database Administrator Operation Research Analyst Software Publisher
15/16 NTC is currently working on articulation agreements with post-secondary institutions. Check out the transfer guides with Lakeland (Computer Science), (Specialized Administration), Cardinal Stritch (Strategic Management of Information Systems), Upper Iowa (T & I Management), Silver Lake (Management), Stout (Information and Communication Technologies) at: www.ntc.edu/transferinfo/									