INFORMATION TECHNOLOGY (PROGRAMMING AND DEVELOPMENT)

This program is available to be completed 100% online.

| Code | Title | Credit Hours |
|--------------------------------|---|-----------------|
| BADM-1020 | Introduction to Business | 3 |
| IT-1025 | Information Technology Concepts for | 3 |
| | Programmers | |
| IT-1050 | Programming Logic | 3 |
| Select one of the | following: | 3 |
| ENG-1010 | College Composition I | |
| ENG-101H | Honors College Composition I | |
| Select one of the following: | | |
| COMM-1010 | Fundamentals of Speech Communication | |
| COMM-101H | Honors Speech Communication | |
| IT-2310 | Web Programming | 3 |
| IT-2650 | Java Programming | 4 |
| IT-2700 | Systems Analysis and Design | 3 |
| MATH-1190 | Algebraic and Quantitative Reasoning (Or higher Approved Ohio Transfer 36 Mathematics course) 1 | 3 |
| Select one of the following: | | |
| BADM-2010 | Business Communications | |
| BADM-201H | Honors Business Communications | |
| Select one of the following: | | 1-3 |
| IT-2830 | Cooperative Field Experience ² | |
| ITNT-2300 | Networking Fundamentals ² | |
| IT-2320 | Interactive Internet Programming | 4 |
| IT-2351 | Enterprise Database Systems | 4 |
| IT-2660 | Data Structures & Algorithms | 4 |
| Social and Behav requirements) | ioral Science/Natural Science (See | 3 |
| IT-2030 | ASP.NET Web Programming | 4 |
| ITXX-xxxx | Programming Elective | 3-4 |
| Select one of the | following: | 3 |
| PHIL-2020 | Ethics | |
| PHIL-202H | Honors Ethics | |
| Select one of the following: | | |
| BADM-1301 | Small Business Management | |
| ACCT-1311 | Financial Accounting | |

Course cannot be used for both a requirement and an elective. ITNT-2300 can only be used to meet an elective requirement for students who successfully complete IT-2830.

Programming Electives

Select from the following courses to fulfill the programming elective requirement. Courses cannot be used for both a requirement and elective (in the case of an "or" selection above):

| Code | Title | Credit Hours |
|-----------|---|-----------------|
| IT-2070 | Introduction to Data Science and Analytics | 3 |
| IT-2080 | Data Visualization | 4 |
| IT-2090 | Data Analytics Programming | 4 |
| IT-2100 | iOS Application Programming | 4 |
| IT-2110 | Android Mobile Application Development | 3 |
| ITNT-2300 | Networking Fundamentals | 3 |
| IT-2600 | E-Business Programming Technologies | 3 |
| IT-2670 | C/C++ Programming Language | 4 |
| IT-2680 | Visual C# .NET | 4 |
| IT-2720 | Ethical Hacking and Systems Defense | 3 |
| IT-2730 | Intrusion Detection/Prevention Systems Fundamentals | 3 |
| IT-2740 | Fundamentals of Client Operating Systems and Hardware for Cybersecurity | 4 |
| IT-2750 | Scripting Fundamentals for Cybersecurity | 3 |

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a counselor to determine the appropriate math required for your current major.

Related Degrees and Certificates

- · Mobile Application Development, Short-Term Certificate
- · Web Application Development, Short-Term Certificate
- Information Technology Programming and Development, Associate of Applied Business
- · .Net Programming, Post-Degree Professional Certificate
- Data Analytics, Post-Degree Professional Certificate
- Information Technology-Programming and Development, Post-Degree Professional Certificate

Training and Credentials

· Cleveland Codes Tri-C Software Developers Academy

MATH-1100 Mathematical Explorations or MATH-1240 Contemporary Mathematics taken prior to Fall 2024 will be accepted to meet Mathematics requirement for this program.