

| SUFFOLK COUNTY COMMUNITY COLLEGE | | NEW YORK INSTITUTE OF TECHNOLOGY | |
|---|--------------|---|--------------|
| <i>Associate in Applied Science Information Technology Computer Information Systems Option</i> | | <i>Bachelor of Science Information Technology</i> | |
| Course | Credit | Course | Credit |
| First Semester: 17 credits | | | |
| COL 101: College Seminar | 1 | Elective | 1 |
| CST 111: Intro to Computer Science and Info Tech | 4 | ETCS 108 Computer, Internet and Society + 1 Elective credit | 4 |
| CST 112: Introduction to Programming | 4 | Technology Elective (3) + 1 Elective credit | 4 |
| ENG 101: Standard Freshman Composition | 3 | FCWR 101 Writing I | 3 |
| MAT 107: Computer Mathematics Concepts | 4 | Mathematics Elective | 4 |
| Physical Education | 1 | Elective | 1 |
| Second Semester: 16-18 credits | | | |
| CST 141: Principles of Computing with Java | 4 | CSCI 125 Computer Program I + 1 Elective credit | 4 |
| CSE or CST Elective (excluding CST 101) | 3-4 | ITEC Information Technology Elective | 3-4 |
| ENG 121: Technical Writing | 3 | FCWR 151 Writing II | 3 |
| MAT 103: Statistics I, <i>or</i> MAT 121: Finite Mathematics or higher | 3-4 | Mathematics Elective | 3-4 |
| Social Sciences Elective <i>Recommended: HIS History</i> | 3 | FCIQ 101 Foundations of Inquiry [^] | 3 |
| Third Semester: 15-16 credits | | | |
| CST 171: Relational Database Applications and Concepts | 4 | ITEC 290 Database Systems + 1 Elective credit | 4 |
| CST 242: Advanced Programming Problem Solving w Java | 4 | CSCI 185 Computer Program II + 1 Elective credit | 4 |
| CSE or CST Elective (excluding CST 101) | 3-4 | ITEC Information Technology Elective | 3-4 |
| Humanities Elective <i>Recommended: ENG Literature* or PHL Philosophy</i> | 3 | Equivalent ICLT Literature <i>or</i> ICPH Philosophy Seminar | 3 |
| Physical Education | 1 | Elective | 1 |
| Fourth Semester: 13-15 credits | | | |
| CST 288: Cooperative Education/Internships for Computing Technology <i>or</i> BUS 150: Cooperative Education in Business | 3-4 | ITEC 450 Seminar Project | 3 |
| Business or Accounting Elective (ACC 101, BUS 101 or BUS 127) | 3-4 | Elective | 3-4 |
| CST 272: Programming for Relational Database Management Systems | 4 | CSCI 401 Database Interfaces and Programming + 1 Technical Elective credit | 4 |
| Social Sciences Elective <i>Recommended: ANT, PSY, SOC</i> | 3 | ICBS Behavioral Science Seminar | 3 |
| TOTAL | 61-66 | TOTAL | 61-65 |

[^]Transfer substitution awarded on the basis of this agreement
Note – Recommended courses are identified to maximize transfer credit award to NYIT.
Fewer credits may transfer if “Recommended” courses are not completed.

*Literature: ENG 202, ENG 205, ENG 206, ENG 209, ENG 210, ENG 211, ENG 212, ENG 213, ENG 214,
ENG 215, ENG 216, ENG 217, ENG 218, ENG 219, ENG 220, ENG 221, ENG 223, ENG 226

Program of Study at New York Institute of Technology
Bachelor of Science in Information Technology

Courses to be completed at NYIT:

| <u>Major Courses</u> | | <u>Credits</u> |
|--|---|----------------|
| CSCI 155 | Computer Organization and Architecture | 3 |
| CSCI 235 | Elements of Discrete Structures | 3 |
| CSCI 260 | Data Structures | 3 |
| CSCI 330 | Operating Systems | 3 |
| CSCI 345 | Computer Networks | 3 |
| ITEC 251 | Applied Discrete Structures I | 3 |
| ITEC 305 | Internet Programming I | 3 |
| ITEC 320 | Web-based Multimedia Development I | 3 |
| ITEC 357 | Cisco Academy Level I | 3 |
| IENG 251 | Project Engineering | 3 |
| MGMT 421 | Cyber Law, Policy and Ethics | 3 |
| <u>Mathematics and Science</u> | | |
| MATH 161 | Basic Applied Calculus | 3 |
| Physics Elective | | 3 |
| Science Elective | | 3 |
| Science/Technology Elective | | 0-2 |
| <u>Core and additional requirements:</u> | | |
| FCSP 105 | Foundations of Speech Communication | 3 |
| FCWR 304 | Communication for Technical Professions | 3 |
| ICLT or ICPH** | Literature or Philosophy Seminar | 3 |
| ICSS 309 | Technology and Global Issues | 3 |
| Liberal Arts Electives | | 1-2 |
| Open Electives | | <u>0-1</u> |
| Total credits at New York Institute of Technology: | | <u>55-59</u> |



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▪ *Effective as of 2020-21*

***Seminar required depends on "Humanities" course completed at Suffolk CCC*