DUTCHESS COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY 2019	
Associate in Applied Science Computer Information Systems (CIS)		**Bachelor of Science Information Technology**	
Course	**Credit**	**Course**	**Credit**
First Semester: 16-17 credits			
ENG 101 Composition	3	FCWR 101 Writing I	3
BHS 103 Social Problems in Today's World	3	ICBS Behavioral Science Seminar^	3
CIS 111 Computer Systems and Applications	3	ETCS 108 Computer, Internet and Society	3
CIS 112 Computer Programming I	4	CSCI 125 Computer Programming I	3
Math *Recommended*: MAT 125 Calculus with Business Applications (4) *or* MAT 221 Calculus (4)	3-4	MATH 161 Basic Applied Calculus^ + 1 Math Elective credit	4
Second Semester: 15 credits			
ENG 102 Composition II	3	FCWR 151 Writing II	3
CIS 114 Computer Programming in C *or* CIS 117 Data Communication Concepts	3	CSCI Computer Science Elective *or* CSCI 345 Computer Networks	3
CIS 123 Computer Programming II	3	CSCI 185 Computer Programming II	3
CIS 124 Computer Operating Systems	3	CSCI 330 Operating Systems	3
CIS Elective	3	Technology Elective	3
Third Semester: 18-19 credits			
CIS 214 C++ Object Oriented Programming *or* CIS 216 Windows Server	3	CSCI Computer Science Elective	3
CIS 213 Advanced Software Applications for Business	3	CSCI 300 Database Management	3
CIS 212 Systems Analysis and Design	3	CSCI 350 Systems Analysis	3
CIS Elective	3	Technology Elective	3
CIS 200 Level Elective *Recommended*: CIS 227 Computer Arch and Organization	3	CSCI 135 Digital Logic (in lieu of ITEC 251)	3
Math/Science *Recommended:* Natural Sciences Physics PHY 121, PHY 122, PHY 151, PHY 152, or PHY 251 (4)	3-4	Physics Equivalent	4
Fourth Semester: 15-16 credits			
ECO 105, GOV 121, HIS 104, HIS 108	3	Liberal Arts Equivalent	3
CIS 223 Computer Projects and Applications	3	CSCI 460 Special Topics I	3
CIS 200 Level Elective	3	CSCI Computer Science Elective	3
WFE 101 Lifetime Wellness and Fitness	3	Elective	3
Free Elective *Recommended*: ENG 2XX Literature (3)	3-4	ICLT Literature Elective	3
TOTAL	**64-67**	**TOTAL**	**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.

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

Courses to be completed at NYIT:

Major Courses:		Credits
CSCI 155	Computer Organization and Architecture	3
CSCI 235	Elements of Discrete Structures	3
CSCI 260	Data Structures	3
CSCI 345	Computer Network *or* CSCI/ITEC Elective^	3
ITEC 290	Database Systems	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

Mathematics and Science:

Mathematics Elective		2
Science Elective		2

Core and additional requirements:

FCSP 105	Foundations of Speech Communication	3
FCIQ 101	Foundations of Inquiry	3
FCSC 101	Foundations of Scientific Process	3
FCWR 304	Communication for Technical Professions	3
ICPH 3XX	ICPH Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3
Liberal Arts Elective		3

Total credits at New York Institute of Technology: 55

^*Requirement determined by courses completed at Dutchess CC*

Babak G. Beheshti   11/6/19

Dr. Babak Dastgheib-Beheshti, Dean
College of Engineering and Computing Sciences, NYIT

- *Effective Fall 2019*