DUTCHESS COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY 2019	
Associate in Science Computer Science (CPS)		**Bachelor of Science Information Technology**	
Course	**Credit**	**Course**	**Credit**
First Semester: 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
Math – MAT 185 Precalculus*	4	MATH 141 Precalculus	4
CPS 141 Computer Science I	4	CSCI 125 Computer Program I + 1 Tech Elec credit	4
SPE 101 Public Speaking	3	FCSP 105 Foundations of Speech Communication	3
Second Semester: 16-17 credits			
ENG 102 Composition II	3	FCWR 151 Writing II	3
American History (Appendix D)	3	FCIQ 101 Foundations of Inquiry^	3
Math – MAT 221 Calculus I*	4	MATH 161 Basic Applied Calculus^ + 1 Math Elective credit	4
CPS 142 Computer Science II	3	CSCI 185 Computer Programming II	3
Elective (b) *Recommended:* MAT 186 Intro Data Science	3-4	Computer Science Elective (3) + 1 Elective credit	4
Third Semester: 14-15 credits			
Science (c) *Recommended:* PHY Physics	4	Physics Equivalent	4
Math – MAT 222 Calculus II* *or* Elective	4	MATH 180 Calculus II or Equivalent Elective	4
CPS 231 Computer Science III/Data Structures	3	CSCI 260 Data Structures	3
Elective (b) *Recommended:* MAT 230 Prob and Statistics	3-4	CSCI 270 Probability and Statistics for Computer	3
Fourth Semester: 15-16 credits			
Recommended: MAT 214 Discrete Math	3	CSCI 235 Elements of Discrete Structures	3
CIS 227 Computer Architecture and Organization	3	CSCI 135 Digital Logic (in lieu of ITEC 251)	3
Elective (b) *Recommended:* Natural Sciences (4)	3-4	Science Equivalent	4
Free Elective	3	Elective	3
General Education Elective	3	Elective	3
TOTAL	**62-65**	**TOTAL**	**64**

^Transfer substitution awarded on the basis of this agreement.
*Note – Math transfer credit is based on course series of MAT 185, MAT 221, and MAT 222.
Different math or elective classes will be evaluated accordingly.
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
ETCS 108	Computer, Internet and Society	3
CSCI 155	Computer Organization and Architecture	3
CSCI 330	Operating Systems	3
CSCI 345	Computer Networks	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
Professional Concentration		3

Core and additional requirements:		
FCSC 101	Foundations of Scientific Process	3
FCWR 304	Communication for Technical Professions	3
ICLT 3XX	ICLT Literature Seminar	3
ICPH 3XX	ICPH Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3
Science and Technology Electives		3
Liberal Arts or General Electives^		5

Total credits at New York Institute of Technology: 56

^*Requirement determined by courses completed at Dutchess CC*

Babak O. Beheshti   11/6/19
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Dr. Babak Dastgheib-Beheshti, Dean
College of Engineering and Computing Sciences, NYIT

▪ *Effective Fall 2019*