DUTCHESS COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY <mark>2019</mark>	
Associate in Science Information Management (INM)		**Bachelor of Science Information Technology**	
Course	**Credit**	**Course**	**Credit**
First Semester: 15-17 credits			
ENG 101 Composition	3	FCWR 101 Writing I	3
CIS 111 Computer Systems and Applications	3	ETCS 108 Computer, Internet and Society	3
Math *Recommended:* MAT 125 Calculus with Business Applications *or* MAT 221 Calculus I (4)	3-4	MATH 161 Basic Applied Calculus^ +1 Math Elective credit	4
Recommended: CIS 112 Computer Programming I, *or* CPS 141 Computer Science I	3-4	CSCI 125 Computer Programming I	3
BHS 103 Social Problems in Today's World	3	ICBS Behavioral Science Seminar^	3
Second Semester: 15-16 credits			
ENG 102 Composition II	3	FCWR 151 Writing II	3
MAT (a) Mathematics Course, *or* MAT 214 Intro to Discrete Mathematics Using Proofs	3-4	Mathematics Elective *or* CSCI 235 Elements of Discrete Structures	3-4
Interest Area: *Recommended:* CIS 123 Computer Program II	3	CSCI 185 Computer Programming II	3
Interest Area: *Recommended:* CIS 227 Computer Arch Org	3	CSCI 135 Digital Logic (in lieu of ITEC 251)	3
General Education Course *Recommended:* ENG 2XX Literature *or* PHI Philosophy	3	ICLT Literature *or* ICPH Philosophy Equivalent	3
Third Semester: 16 credits			
CIS 212 Systems Analysis and Design	3	CSCI 350 Systems Analysis	3
American History (Appendix D)	3	FCIQ 101 Foundations of Inquiry^	3
Interest Area: *Recommended:* CIS 117 Data Comm Concept	3	CSCI 345 Computer Networks	3
ACC/BUS/CIS/ECO Course	3	Elective	3
Natural Science Course *Recommended:* PHY Physics	4	Physics Equivalent	4
Fourth Semester: 18-20 credits			
CIS 213 Advanced Software Applications for Business	3	CSCI 300 Database Management	3
WFE 101 Lifetime Wellness and Fitness	3	Elective	3
Interest Area: *Recommended:* Listed CIS course	3	Technology Elective	3
Interest Area: *Recommended:* Listed CIS course	3	Technology Elective	3
Transfer Course *Recommended:* MAT or ECO	3-4	Liberal Arts Equivalent	3-4
Free Elective	3-4	Elective	3
TOTAL	**64-69**	**TOTAL**	**65-67**

^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 *or* Math Elective^	3
CSCI 260	Data Structures	3
CSCI 330	Operating Systems	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 – General option		3

Core and additional requirements:		
FCSP 105	Foundations of Speech Communication	3
FCSC 101	Foundations of Scientific Process	3
FCWR 304	Communication for Technical Professions	3
ICLT 3XX	ICLT Literature Seminar^ *or*	
ICPH 3XX	ICPH Philosophy Seminar^	3
ICSS 309	Technology and Global Issues	3
Science Elective		2
Liberal Arts Elective		0-2
General Elective		3

Total credits at New York Institute of Technology: 53-55

^*Requirement determined by courses completed at Dutchess CC*

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

- *Effective Fall 2019*