PACE UNIVERSITY
Seidenberg School of Computer Science and Information Systems

BACHELOR OF ARTS: COMPUTER SCIENCE

UNIVERSITY CORE (44 CREDITS)

Foundation Requirements (21 – 31 Credits)

		Credits	
ENG 110	(Can test out)	0 – 3	
ENG 120	Critical Writing	4	
ENG 201	Writing in the Disciplines	3	
COM 200	Public Speaking	3	
MAT 131	Calculus I	4	
Lab Science		3 – 4	
CS 121	Computer Programming I	4	

Two language courses selected from:
ARA/CHI/FRE/JPN/GRK/ITA/LAT/RUS/SPA/SPE

		0 – 3	
		0 – 3	

Areas of Knowledge (AOK) (24 Credits)

Western Heritage (AOK 2) (2 Courses)

	3	
	3	

World Traditions & Cultures (AOK 3) (2 Courses)

	3	
	3	

Humanistic & Creative Expressions (AOK 4) (2 Courses)

	3	
	3	

Analysis of Human, Social & Natural Phenomena (AOK 5) (2 Courses)

MAT 234 Introduction to Probability & Statistics

	4	
	3	

REQUIRED LEARNING EXPERIENCES

Civic Engagement and Public Values
One Civic Engagement (CE) course

Learning Community Requirement
One Learning Community (LC) course

Writing Enhanced Course Requirement
Two Writing Enhanced (W) courses
1.
2.

COMPUTING CORE (18 CREDITS)**

		Credits	
CS 113	Math Structures for Computer Science	4	
CS 121	Computer Programming I	0	>><<
CS 122	Computer Programming II	4	
CS 232	Computer Organization	4	
CS 241	Data Structures & Algorithms	4	
CS 271	Foundations of Unix Operating Systems	2	

ADVANCED REQUIRED COURSES (8 CREDITS)

CS 242	Algorithms & Computing Theory	4	
CS 488	Computer Networks & the Internet	4	

ADVANCED ELECTIVES IN COMPUTER SCIENCE (8 CREDITS)

CS		4	
CS		4	

MATHEMATICS COURSES (8 CREDITS)

MAT 131	Calculus I	0	>><<
MAT 132	Calculus II	4	
MAT 234	Introduction to Probability & Statistical Analysis	0	>><<

MINOR/CONCENTRATION COURSES (15 – 18 CREDITS)

	3	
	3	
	3	
	3	
	3	
	3	

OPEN ELECTIVES (11 – 14 CREDITS)*

UNV 101 First-Year Seminar	1	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	

Total Credits = 120

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*NOTE: ENG 105 C & D, MAT 100 and MAT 103 cannot be used toward the 120 credits for graduation.

UNV 101 Freshman Seminar is REQUIRED for all new Freshman.

Entering freshman are required to take one Civic Engagement course, one Learning Community and two Writing Enhanced Courses.

**Students must earn a grade of C or better in each prerequisite core course in order to take subsequent CS courses.

>><< Course is taken as part of the University Core Requirements.

ID Number	
Name	
Advisor	

BACHELOR OF ARTS COMPUTER SCIENCE
NYC COURSE SEQUENCE

FIRST YEAR

FALL SEMESTER		SPRING SEMESTER	
UNV 101	1	Civic Engagement	3
Learning Community	6	CS 113	4
CS 121	4	CS 122	4 credits
MAT 130*	4	ENG 110	3 credits
	15 credits		**14 credits**

SECOND YEAR

FALL SEMESTER		SPRING SEMESTER	
ENG 120	4 credits	ENG 201	3 credits
CS 241	4 credits	CS 242	4 credits
CS 271	2 credits	MAT 132	4 credits
MAT 131	4 credits	Language 2	3 credits
Language 1	3 credits	CS 232**	4 credits
	17 credits		**18 credits**

THIRD YEAR

FALL SEMESTER		SPRING SEMESTER	
AOK 2, AOK 3, AOK 4 or AOK 5	3 credits	CS 488*	4 credits
Lab Science	4 credits	CS Elective	4 credits
COM 200	3 credits	Minor Course	3 credits
AOK 2, AOK 3, AOK 4 or AOK 5	3 credits	AOK 2, AOK 3, AOK 4 or AOK 5	3 credits
Minor Course	3 credits		
	16 credits		**14 credits**

FOURTH YEAR

FALL SEMESTER		SPRING SEMESTER	
CS Elective	4 credits	MAT 234**	4 credits
Minor Course	3 credits	Minor Course	3 credits
Minor Course	3 credits	Minor Course	3 credits
AOK 2, AOK 3, AOK 4 or AOK 5	3 credits	AOK 2, AOK 3, AOK 4 or AOK 5	3 credits
AOK 2, AOK 3, AOK 4 or AOK 5	3 credits		
	16 credits		**13 credits**

*Course level is based on the results of the placement exam
**Course is offered on a rotating schedule

BACHELOR OF ARTS COMPUTER SCIENCE
PLV COURSE SEQUENCE

FIRST YEAR

FALL SEMESTER		SPRING SEMESTER	
UNV 101	1	CS 122 Computer Programming II	4
CS 121 Computer Programming I	4	MAT 130 Precalculus or MAT 131 Calculus I*	4
CS 113 Math Structures for Computer Science	4	ENG 120 Critical Writing	4
ENG 110 Composition or ENG 120 Critical Writing*	3 – 4	Learning Community or AOK	3 – 6
Learning Community, AOK or Civic Engagement	3 – 6	AOK or Civic Engagement	3
	15 – 18 credits		**18 credits**

SECOND YEAR

FALL SEMESTER		SPRING SEMESTER	
CS 241 Data Structures & Algorithms I	4	CS 242 Algorithms and Computing Theory	4
CS 271 Fundamentals of the Unix Operating System	2	CS 232 Computer Organization	4
MAT 131 Calculus I or MAT 132 Calculus II	4	MAT 132 Calculus II or MAT 234 Probability & Statistics	4
Learning Community, AOK or Civic Engagement	3 – 6	ENG 201 Writing in the Disciplines	3
Second Language*	3	Second Language	3
	16 credits		**18 credits**

THIRD YEAR

FALL SEMESTER		SPRING SEMESTER	
Minor/Concentration Course	3 – 4	CS Advanced Elective	4
CS Advanced Elective	4	MAT 234 Probability & Statistics	4
Lab Science I (CHE 111/PHY 111/BIO 101)	3 – 4	Minor/Concentration Course	3 – 4
COM 200 Public Speaking	3	CS 488 Computer Networks or CS 312 Research Methods	3 – 4
AOK 2, AOK 3, AOK 4 or AOK 5	3	AOK 2, AOK 3, AOK 4 or AOK 5	3
	16 – 18 credits		**16 – 17 credits**

FOURTH YEAR

FALL SEMESTER		SPRING SEMESTER	
Minor/Concentration Course	3 – 4	CS 488 Computer Networks or CS 312 Research Methods	4
AOK 2, AOK 3, AOK 4 or AOK 5	3	AOK 2, AOK 3, AOK 4 or AOK 5	3
AOK 2, AOK 3, AOK 4 or AOK 5	3	Minor/Concentration Course	3 – 4
COM 200 Public Speaking	3	Minor/Concentration Course	3 – 4
	16 – 17 credits		**14 – 15 credits**

*Course level is based on the results of the placement exam

PACE UNIVERSITY

Seidenberg School of Computer Science and Information Systems

BACHELOR OF ARTS: COMPUTER SCIENCE
Transfer Student

UNIVERSITY CORE (44 CREDITS)

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ENG 110	(Can test out)	0 – 3	
ENG 120	Critical Writing	4	
ENG 201	Writing in the Disciplines	3	
COM 200	Public Speaking	3	
MAT 131	Calculus I	4	
Lab Science		4	
CS 121	Computer Programming I	4	

One language or culture course selected from:
ARA/CHI/FRE/JPN/GRK/ITA/LAT/RUS/SPA/SPE

		0 – 3	

Liberal Arts Electives (24 Credits minimum)

MAT 234 Introduction to Probability & Statistics	4	
	4	
	4	
	3	
	3	
	3	
	3	

REQUIRED LEARNING EXPERIENCES
Civic Engagement and Public Values
One Civic Engagement (CE) course

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COMPUTING CORE (18 CREDITS)** Credits**

CS 113	Math Structures for Computer Science	4	
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CS 122	Computer Programming II	4	
CS 232	Computer Organization	4	
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ADVANCED REQUIRED COURSES (8 CREDITS)

CS 242	Algorithms & Computing Theory	4	
CS 488	Computer Networks & the Internet	4	

ADVANCED ELECTIVES IN COMPUTER SCIENCE (8 CREDITS)

CS		4	
CS		4	

MATHEMATICS COURSES (8 CREDITS)

MAT 131	Calculus I	0	>><<
MAT 132	Calculus II	4	
MAT 234	Introduction to Probability & Statistical Analysis	0	>><<

MINOR/CONCENTRATION COURSES (15 – 18 CREDITS)

	3	
	3	
	3	
	3	
	3	
	3	

OPEN ELECTIVES (11 – 14 CREDITS)*

	1	
	3	
	3	
	3	
	3	
	3	
	3	
	3	
	3	

Total Credits   =120

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ID Number	_____
Name	_____
Advisor	_____