

## NC A&T Computer Science

(Unofficial Community Colleges to NC A&T Curriculum)

Degree Earned: NC A&T Bachelor of Science in Computer Science

Transfer GPA=2.5

Effective: 2016

Grey Highlighted Courses – Take at NC A&T

FRESHMAN YEAR					
	<u>Fall Semester</u>	<u>Credit</u>		<u>Spring Semester</u>	<u>Credit</u>
ENG 111	ENGL 100 Ideas & Their Expressions I	3	ENG 112	ENGL 101 Ideas & Their Expressions II	3
CHM 151	Approved Science Elective	4	NC A&T	COMP 180 Discrete Structures	3
NC A&T	GEEN 163 Intro. to Computer Programming	3	NC A&T	GEEN 165 Computer Programming Design	4
ACA 122	GEEN 111 College of Engineering Colloquium	1	NC A&T	COMP 121 Comp Sci Freshman Colloquium	1
MAT 271	MATH 131 Calculus I	4	MAT 272	MATH 132 Calculus II	4
<b>15</b>					<b>15</b>
SOPHOMORE YEAR					
	<u>Fall Semester</u>	<u>Credit</u>		<u>Spring Semester</u>	<u>Credit</u>
	Social /Behavioral Sciences Electives	3		Humanities /Fine Arts Elective	3
PHY 251	Approved Science Elective	4	PHY 252	Approved Science Elective	4
COM 231	SPCH 250 Speech Fundamentals	3	NC A&T	COMP 285 Analysis of Algorithms	3
MAT 285	MATH 431 Differential Equations	3	MAT 280	Approved MATH Elective [2]	3
NC A&T	COMP 280 Data Structures	3	NC A&T	COMP 467 Data Base Design	3
			NC A&T	COMP 200 Sophomore Colloquium	1
<b>16</b>					<b>17</b>
JUNIOR YEAR					
	<u>Fall Semester</u>	<u>Credit</u>		<u>Spring Semester</u>	<u>Credit</u>
	Social /Behavioral Sciences Electives	3	NC A&T	Approved Statistics Elective [1]	3
NC A&T	ENGL 331 Writing Science & Technology (Writing in the Major)	3	NC A&T	COMP 322 Internet Systems	3
NC A&T	COMP 360 Programming Languages	3	NC A&T	COMP 365 Programming Meth. & Conc.	3
NC A&T	COMP 375 Computer Arch & Org	3	NC A&T	COMP 450 Operating Systems	3
NC A&T	Approved COMP Elective	3		Humanities /Fine Arts Elective	3
			NC A&T	COMP 300 Junior Colloquium	1
<b>15</b>					<b>16</b>
SENIOR YEAR					
	<u>Fall Semester</u>	<u>Credit</u>		<u>Spring Semester</u>	<u>Credit</u>
NC A&T	COMP 385 Theory of Computing	3	NC A&T	COMP 496 Senior Project II (Capstone)	3
NC A&T	COMP 410 Software Engineering	3	NC A&T	Approved COMP Elective)	3
NC A&T	COMP 476 Networked Comp. Sys.	3	NC A&T	Approved COMP Elective)	3
NC A&T	Free Elective	3	ECO 251	Business Elective	3
NC A&T	COMP 390 Soc. Implications of Computing (Ethics)	3	NC A&T	Free Elective	3
<b>15</b>					<b>15</b>

**NC A&T - Minimum Credit Hours Required for Graduation in Computer Science**

**124**

[1] MATH 224 Probability & Statistics or INEN 370 Engineering Statistics or ECEN 356 Stochastic Processes and Random Variables

[2] MATH 440 Numerical Methods or MATH 450 Linear Algebra