

NC A&T Computer Engineering

(Unofficial Community Colleges to NC A&T Curriculum)

Degree Earned: NC A&T Bachelor of Science in Computer Engineering Transfer GPA = 2.5
 Effective: 2017-2018 ■ Grey Highlighted Courses – Take at NC A&T

FRESHMAN YEAR					
Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NC A&T	ECEN 101 Intro. to Problem Solving	3	EGR 150	GEEN 100 Engineering Design and Ethics	2
MAT 271	MATH 131 Calculus I	4	ENG 112	ENGL 101 Ideas and their Expressions II	3
CHM 151	CHEM 106 General Chemistry VI	3	MAT 272	MATH 132 Calculus II	4
CHM 151	CHEM 116 General Chemistry VI Lab	1	PHY 251	PHYS 241 General Physics I	3
ACA 122	GEEN 111 Colloquium I - Student Success	1	PHY 251	PHYS 251 General Physics I Lab	1
ENG 111	ENGL 100 Ideas and their Expression I	3	NC A&T	COMP 163 Computer Program Design	3
15			16		
SOPHOMORE YEAR					
Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NC A&T	ECEN 206 Instrument and Networks Lab	1	MAT 273	MATH 231 Calculus III	4
NC A&T	COMP 167 Computer Programming Design	3	NC A&T	COMP 280 Data Structures	3
PHY 252	PHYS 242 General Physics II & Lab	4	NC A&T	ECEN 300 Electrical Circuit Analysis II	3
MAT 285	MATH 431 Intro to Differential Equations	3	NC A&T	ECEN 306 Networks & Systems Lab	1
NC A&T	ECEN 227 Intro to Finite Automat & Disc Math	3	NC A&T	ECEN 327 Digital Logic	3
NC A&T	ECEN 200 Electrical Circuit Analysis	3	NC A&T	ECEN 328 Digital Logic Lab	1
NC A&T	ECEN 218 Logic Design Lab	1			
17			15		
JUNIOR YEAR					
Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
	Social Science	3	ECO 251	Social /Behavioral Science [c]	3
NC A&T	ECEN 423 Digital Systems Design 1	3	NC A&T	ECEN 320 Electronics I	3
NC A&T	ECEN 419 Digital Systems Design 1 Lab	1	NC A&T	ECEN 326 Electronics I Lab	1
NC A&T	ECEN 427 Intro to Microprocessors	3	NC A&T	ECEN 356 Stochastic Proc. & Random Var	1
NC A&T	ECEN 433 Microprocessors Lab	1	NC A&T	ECEN 375 Computer Arch. & Org.	3
NC A&T	COMP 285 Design and Analysis of Algorithms	3	NC A&T	ECEN 400 Linear Sys. And Signals	3
14			16		
SENIOR YEAR					
Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NC A&T	ECEN 478 Senior Design Proj I	3	NC A&T	ECEN 479 Senior Design Proj II	3
NC A&T	ECEN 4XX Technical Elective	3	NC A&T	ECEN 4XX Technical Elective	3
NC A&T	ECEN 4XX Technical Elective	3	NC A&T	ECEN 4XX Technical Elective	3
NC A&T	ECEN 421 Embedded Systems Design	3	NC A&T	COMP 350 Operating Systems	3
COM 231	SPCH 250 Fundamentals of Speech	3		Gen Ed	3
15			15		
NC A&T - Minimum Credit Hours Required for Graduation in Computer Engineering					123