

B.S. in Applied Engineering Technology (AET), Effective AY 2019-2020
(N.C. A&T Major Code: 0388; CIP Code: 15.0613)

Freshman

Fall		Credits	Spring		Credits
FRST 101	College Success (SS)	1	AET 121	Computing Technology	3
ENGL 100	Ideas and Their Expressions I (WC)	3	ENGL 101	Ideas and Their Expression II (WC)	3
MATH 131	Calculus I (MLAR)	4	MATH 132	Calculus II (MLAR)	4
AET 110	Blueprint Reading and Interp.	3	EHS 101	Intro. to Occu. Safety & Health	3
AET 191	Intro to MFG Processes	3	HIST 106	African American History (AA)	3
		14			16

Sophomore

Fall		Credits	Spring		Credits
PHYS 225	College Physics I (SR)	3	PHYS 226	College Physics II (SR)	3
PHYS 235	College Physics I Lab (SR)	1	PHYS 236	College Physics II Lab (SR)	1
CHEM 106	General Chemistry VI (SR)	3	SPCH 250	Speech Fundamentals (HFA)	3
CHEM 116	General Chemistry VI Lab (SR)	1	CST 112	Electric Circuit I	3
AET 202	Parametric Modeling	3	AET 270	Ind. Materials & Processes	3
AET 211	Laboratory Equipment I	1	AET 293	Power Technology	3
PSYC 101	General Psychology (SBS)	3			
		15			16

Junior

Fall		Credits	Spring		Credits
ACCT 210	Funda Account for Deci Making	3	MGMT 110	Business Environment	3
PHIL 201	Business Ethics (GL)	3	AET 273	Numerically Controlled Machine Tech	3
AET 232	MFG Planning & Management	3	AET 276	Intro to PLCs	3
AET 281	Industrial Statistics and Probability	3	AET Spec	Technical Elective	3
AET 312	Laboratory Equipment II	2	Open Elective	Open Elective	3
		14			15

Senior

Fall		Credits	Spring		Credits
AET 395	Stat. Process & Quality Control	3	AET 445	Industrial Project Management	3
AET 482	Six Sigma Applied to MFG	3	AET 483	Enterprise Res. Planning Sys	3
AET 484	MFG Execution Systems	3	AET Spec	Technical Elective	3
AET Spec	Technical Elective	3	AET Spec	Technical Elective	3
AET Spec	Technical Elective	3	AET 500	Capstone Class	3
		15			15