

B.S. in Automotive Engineering Technology (AMET), Effective AY 2019-2020
(N.C. A& T Major Code: 0288; CIP Code: 15.0803)

Freshman

Fall		Credits	Spring		Credits
FRST 101	College Success	1	AET 121	Computing Technology	3
ENGL 100	Ideas & Their Expressions I (WC)	3	ENGL 101	Ideas & Their Expression II (WC)	3
MATH 110	Pre-Cal for Eng and Sci (MLAR)	4	MATH 131	Calculus I (MLAR)	4
AET 110	Blueprint Reading and Interp.	3	AMET 251	Intro to Automotive Tech	3
AET 191	Introduction to MFG Processes	3	HIST 106	African American Hist (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	CST 112	Circuit I	3
CHEM 116	General Chemistry VI Lab (SR)	1	AET 205	Mech Design & MFG Problems	3
AET232	MFG Planning & Management	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	SPCH 250	Speech Fundamentals (HFA)	3
PHIL 201	Business Ethics (GL)	3	MGMT 110	Business Environment	3
AMET 252	Engine Systems	3	AMET 255	Automotive Powertrain	3
AET 281	Statistics and Probability	3	AMET 275	Adv. Vehicle Technologies	3
AET392	Statics for Technology Major	3	AET 492	Mech of Materials for Tech	3
		15			15

Senior

Fall		Credits	Spring		Credits
AET 395	Stat. Process & Quality Control	3	AET 445	Industrial Project Management	3
AET 312	Laboratory Equipment II	2	AMET 456	Vehicle Dynamics	3
AMET 452	Automotive Management	3	AET 500	Capstone Class	3

AET 493	Funda of Dy Kin for Tech Major	3	Open Elective	Open Elective	3
AMET 455	<i>Automotive Electrical Systems</i>	3	Open Elective	Open Elective	3
		14			15

Note: Technical Electives in the senior year must be 300 or 400 level courses. Must earn a C or better for all AET/AMET courses.

Total Hours: 120