

Alamance Community College

2021 Calendar Year

Automotive Systems Technology • Semester by Semester

First Year

Fall 1st Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
AUT-141	Suspension & Steering Systems	5	3
AUT-141A	Suspension & Steering Lab	3	1
AUT-212	Auto Shop Management	3	3
TRN-110	Introduction to Transport Technology	3	2
TRN-120	Basic Transportation Electricity	7	5
	Semester Total	21	14

First Year

Spring 2nd Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
AUT-151	Brake Systems	5	3
AUT-151A	Brakes Systems Lab	3	1
AUT-163	Advanced Automotive Electricity	5	3
AUT-181	Engine Performance 1	5	3
AUT-181A	Engine Performance 1 Lab	3	1
	Semester Total	21	11

First Year

Summer 3rd Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
AUT-116	Engine Repair	5	3

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
AUT-116A	Engine Repair Lab	3	1
CIS-111	Basic PC Literacy	3	2
ENG-115	Oral Communication	3	3
	Semester Total	14	9

Second Year

Fall 4th Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
AUT-183	Engine Performance 2	8	4
AUT-231	Manual Transmissions/Transaxles/Drive Trains	5	3
AUT-231A	Manual Transmissions/Transaxles/Drive Trains Lab	3	1
	Social/Behavioral Science Elective	3	3
	Semester Total	19	11

Second Year

Spring 5th Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
AUT-221	Automatic Transmissions/Transaxles	5	3
AUT-221A	Automatic Transmissions/Transaxles Lab	3	1
TRN-145	Advanced Transportation Electronics	5	3
	Humanities/Fine Arts Elective	3	3
	Semester Total	16	10

Second Year

Summer 6th Semester

COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
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COURSE NUMBER	COURSE TITLE	CONTACT HOURS	CREDIT HOURS
TRN-130	Intro to Sustainable Transportation	4	3
TRN-140	Transportation Climate Control	3	2
TRN-140A	Transportation Climate Control Lab	3	2
	Semester Total	10	7
	TOTAL CREDITS		62