

CERTIFICATES AND DEGREES

Technical Certificate A		
Freshman: First Semester		
Course #	Course Name	Credits
AUTO 100	Shop Safety	1
AUTO 110	Steering & Suspension I	3
AUTO 120	Wheel Alignment Diagnosis & Repair	4
AUTO 130	Brakes I	3
AUTO 150	Automotive Electronics	2
AUTO 155	Batteries Starting/Charging Systems	3
AUTO 160	Engine Performance I	3
AUTO 170	Electrical I	3
Total Certificate Credits		22

Credentials (ASE Entry-Level Certifications)	
NATEF 2013 Standards: ASE Student Certification: • Maintenance & Light Repair	NATEF 2008 Standards: ASE Student Certifications (2 of the following): • Suspension and Steering • Brakes • Electrical/Electronic Systems • Engine Performance

Technical Certificate B		
Freshman: First Semester		
Course #	Course Name	Credits
AUTO 100	Shop Safety	1
AUTO 110	Steering & Suspension I	3
AUTO 120	Wheel Alignment Diagnosis & Repair	4
AUTO 130	Brakes I	3
AUTO 140	Tire Maintenance	2
ENGL 105	Technical Writing (or approved English or Communication) ⁰¹⁰	3
Freshman: Second Semester		
Course #	Course Name	Credits
AUTO 150	Automotive Electronics	2
AUTO 155	Batteries Starting/Charging Systems	3
AUTO 160	Engine Performance I	3
AUTO 165	Engine Performance II	3
AUTO 170	Electrical I	3
INF 101	Introduction to Computer Information Systems (or approved Science) ⁰⁷⁰	3

Credentials (ASE Entry-Level Certifications)

Including Certificate A requirements

NATEF 2013 Standards:
ASE Student Certification:

- Automobile Service Technician (AST)

NATEF 2008 Standards:

ASE Student Certifications (all 4):

- Suspension and Steering
- Brakes
- Electrical/Electronic Systems
- Engine Performance

Technical Certificate C

Freshman: First Semester

Course #	Course Name	Credits
AUTO 100	Shop Safety	1
AUTO 110	Steering & Suspension I	3
AUTO 120	Wheel Alignment Diagnosis & Repair	4
AUTO 130	Brakes I	3
AUTO 140	Tire Maintenance	2
ENGL 105	Technical Writing (or approved English or Communication) ⁰¹⁰	3

Freshman: Second Semester

Course #	Course Name	Credits
AUTO 150	Automotive Electronics	2
AUTO 155	Batteries Starting/Charging Systems	3
AUTO 160	Engine Performance I	3
AUTO 165	Engine Performance II	3
AUTO 170	Electrical I	3
INF 101	Introduction to Computer Information Systems (or approved Science) ⁰⁷⁰	3

Sophomore: First Semester

Course #	Course Name	Credits
AUTO 200	Manual Transmission, Clutches, & Transaxle Transfer Case Service I	3
AUTO 205	Automatic Transmissions & Transaxle Service I	3
AUTO 210	Automatic Transmission Service II	4

Sophomore: Second Semester

Course #	Course Name	Credits
AUTO 250	AC & Heating Ventilation Systems	3
AUTO 255	Engine Diagnosis Skills & Replacement	3
AUTO 260	Cylinder Head & Valve Train Diagnosis & Repair	2
AUTO 270	Engine Block Assembly Diagnosis & Repair	3
AUTO 275	Driveline Service & Rear Axle Diagnosis & Repair	3
AUTO 280	Lube/Cooling System Diagnosis & Repair	2

Credentials (ASE Entry-Level Certifications)

Including Certificate B requirements

NATEF 2013 Standards:
ASE Student Certification:
Master Automobile Service Technician
(MAST)

NATEF 2008 Standards:
ASE Student Certifications:
• All 4 listed in Cert A and B
• Plus 2 additional NATEF categories

Associate of Applied Science**Freshman: First Semester**

Course #	Course Name	Credits
AUTO 100	Shop Safety	1
AUTO 110	Steering & Suspension I	3
AUTO 120	Wheel Alignment Diagnosis & Repair	4
AUTO 130	Brakes I	3
AUTO 140	Tire Maintenance	2
ENGL 105	Technical Writing (or approved English or Communication) ⁰¹⁰	3

Freshman: Second Semester

Course #	Course Name	Credits
AUTO 150	Automotive Electronics	2
AUTO 155	Batteries Starting/Charging Systems	3
AUTO 160	Engine Performance I	3
AUTO 165	Engine Performance II	3
AUTO 170	Electrical I	3
INF 101	Introduction to Computer Information Systems (or approved Science) ⁰⁷⁰	3

Sophomore: First Semester

Course #	Course Name	Credits
AUTO 200	Manual Transmission, Clutches, & Transaxle Transfer Case Service I	3
AUTO 205	Automatic Transmissions & Transaxle Service I	3
AUTO 210	Automatic Transmission Service II	4
FIN 205	Principles of Personal Finance ⁰⁷⁰	3
MATH 102	Technical Math (or approved Math) ⁰³⁰	3

Sophomore: Second Semester

Course #	Course Name	Credits
AUTO 250	AC & Heating Ventilation Systems	3
AUTO 255	Engine Diagnosis Skills & Replacement	3
AUTO 260	Cylinder Head & Valve Train Diagnosis & Repair	2
AUTO 270	Engine Block Assembly Diagnosis & Repair	3
AUTO 275	Driveline Service & Rear Axle Diagnosis & Repair	3
AUTO 280	Lube/Cooling System Diagnosis & Repair	2

TEC 200	Workplace Ethics (or approved General Education elective) ⁰⁶⁰	3
Total Degree Credits		68

Credentials (ASE Entry-Level Certifications)

NATEF 2013 Standards:

ASE Student Certifications:

- Master Automobile Service Technician (MAST)
- ASE G1 Professional Level Maintenance & Light Repair (optional)

NATEF 2008 Standards:

ASE Student Certifications:

- All 8 NATEF categories
- ASE G1 Professional Level Maintenance & Light Repair (optional)

Systemwide General Education (SGE) Key

010 English

020 Communications

030 Math & Statistics

040 Natural & Physical Sciences

050 Social & Behavioral Science

060 Arts & Humanities

070 Institutionally Designated

* Course descriptions for General Education courses can be found in the General Education section of the College Catalog.