

I. Years of Study

Three-Year

II. Medium of Instruction

Chinese

III. Cultivation Goals

Oriented towards career competence and demand for jobs, the college is aimed at cultivating students' Chinese language skills, job skills and professional competence, nurturing unique characteristics such as internationalization, skill upgrading and professionalism in a science-based approach. It works to cultivate high-quality technical and skilled personnel who have following qualifications, including mastering a certain theoretical foundation of automobile inspection and maintenance, and being able to engage in work such as automobile inspection, repair, maintenance, debugging, automobile appraisal and evaluation, and on-site management in industries such as automobile manufacturing, automobile comprehensive fault diagnosis, automobile technical service and marketing. At the same time, students shall have a certain understanding about Chinese traditional culture and history of humanity.

IV. Major Courses

No	Title of the Course	Main Content of the Course	Credit Hours and Credits	Semester
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1	Understanding and Maintenance of Mechanical System of Automotive Engine	The course teaches students socialist values, the spirit of craftsmanship and occupational competence, as well as mechanical connections, engine structure and basic working principles. It enables students to master the working principles, characteristics, standards and applications of general mechanical parts, know the basic structure, function and working principle of automobiles and auto assembly, learn about the principles of structure and adjustment of main parts, disassemble and assemble auto engine proficiently.	48 credit hours 3 credits	3
2	Understanding and Maintenance of Mechanical System of Automotive Chassis A	The course teaches students socialist values, the spirit of craftsmanship and occupational competence, as well as chassis structure and basic working principles. It enables students to master the working principles, characteristics, standards and applications of general mechanical parts, know the basic structure, function and working principle of automobiles and auto assembly, learn about the principles of structure and adjustment of main parts, disassemble and assemble automotive chassis and its parts proficiently.	64 credit hours 4 credits	3
3	Understanding and Maintenance of Automotive Electrical System	The course teaches students socialist values, the spirit of craftsmanship and occupational competence. It enables students to have the basic knowledge of automotive electrical appliances and basic skills in the application of automotive electrical control technology at a preliminary level, cultivates students' ability to use modern automotive electrical appliances, and improves students' professional competence.	48 credit hours 3 credits	3

4	Understanding and Maintenance of Electronic Control System of Automotive Engine	<p>The course enables students to have the basic knowledge of automotive engine electronic control technology and the basic skills about application of automotive electronic control technology necessary for technical personnel engaging in automotive maintenance and marketing services at a preliminary level, cultivates students' ability to master modern automotive electronic control technology, and improves students' professional competence with the aim of laying a certain foundation for students in their further study and application of new automotive technologies in the future. It also teaches students core socialist values and the spirit of craftsmanship through group cooperation, independent completion of assignment and practical operations.</p>	48 credit hours 3 credits	4
5	Understanding and Maintenance of Electronic Control System of Automotive Chassis	<p>The course enables students to have the basic knowledge of automotive chassis electronic control technology and the basic skills about application of electronic control technology of automotive chassis necessary for technical personnel engaging in automotive maintenance and marketing services at a preliminary level, cultivates students' ability to master modern automotive electronic control technology, and improves students' professional competence with the aim of laying a certain foundation for students in their further study and application of new automotive technologies in the future. It also teaches students core socialist values and the spirit of craftsmanship through group cooperation, independent completion of assignment and practical operations.</p>	48 credit hours 3 credits	4

6	Automobile Performance and Testing	<p>The course mainly teaches the basic theory of engine and automobile operation, the basic laws of thermodynamics and the Carnot cycle, the basic concepts and influencing factors of engine's speed characteristics, load characteristics and analysis of characteristics, torque reserve coefficient and mechanical efficiency. It enables students to master the analysis methods and tests of automobile dynamics and automobile braking performance, understand automobile comfort and trafficability and their influencing factors, and get familiar with the composition of the automobile inspection station and the main content of the GB/T7258-2005 standard.</p>	<p>48 credit hours 3 credits</p>	4
7	Understanding and Maintenance of Automobile Safety and Comfort System	<p>Highlighting the practicability, the course enables students to master the detection of automobile bus technology, the detection and maintenance of automobile comfort systems (air conditioning, power windows, central door locks, anti-theft, cruise), the detection and maintenance of automobile safety systems (airbag), and the detection and setting of information systems (navigation, entertainment).</p>	<p>48 credit hours 3 credits</p>	5
8	Automobile Use and Maintenance	<p>The course teaches students socialist values, the spirit of craftsmanship and occupational competence. It enables students to have the basic theory of automobile use, automotive fault diagnosis and adjustment, and automobile repair, and the basic methods of the rational use of automobiles, automotive fault diagnosis and automobile repair.</p>	<p>48 credit hours 3 credits</p>	5