1.Years of Study

Three years

2.Language of Instruction

English (IELTS 5.5 and above, TOEFL 46 and above, Duolingo 90 and above)

3.Cultivation Objectives

This major is guided by professional abilities and job requirements, with the goal of cultivating students' "Chinese proficiency + job skills + professional qualities". It is scientifically positioned to create a professional characteristic of "internationalization, skill oriented, and professionalization", and to cultivate and master the theoretical foundation of automotive manufacturing and testing technology. It aims to cultivate high-quality skilled talents in automotive technology service marketing, energy conservation, and automotive maintenance in the automotive manufacturing industry, engaged in automotive design, testing, debugging, maintenance, and parts assembly, while also understanding traditional Chinese culture and cultural history.

4. Employment Positions

Main Positions:

- (1) Automotive Vehicle and Key Component Research and Development Assistant Engineer
- (2) Automotive Assembly Engineer
- (3) Automotive Test Engineer

Secondary Positions:

- (1) Automotive Sales Consultant
- (2) Automotive Application Engineer

5. Co-operative enterprises

BYD Auto Co., Ltd SAIC Maxus Automotive Co., Ltd Longsheng Technology Co., Ltd. Jiangsu Weibo Power Technology Co., Ltd Jiangsu Jinrun Automotive Transmission Technology Co., Ltd

6. Main courses

| No. | Course name and module code | The main content of the course (Limit to 80 characters) | Hours and hours Credits | Nature of the course | Term |
|-----|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------|------|
| 1 | Automotive Assembly and Debugging Technology | This course mainly teaches the overall understanding of automobile assembly and debugging, door assembly, instrument assembly, automobile interior assembly, powertrain and chassis assembly, automobile tail line assembly, automobile inspection and debugging, etc., so that students can master the | 64 class hours 4 credits | Compu lsory | 4 |

| | | abilities of automobile assembly technology, fault diagnosis and debugging, quality inspection, etc., and provide high-quality skilled talents for the automobile manufacturing and assembly job group. This course aims to cultivate students' | | | |
|---|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------|---|
| 2 | New Energy Vehicle Technology | understanding of the structure of new energy vehicles based on assembly, debugging, and testing process documents and safety operation standards, using equipment and tools to complete performance testing and troubleshooting of new energy vehicle batteries, motors, electronic control, and charging systems. | 48 class hours 3credits | Compu lsory | 4 |
| 3 | Automotive Testing Technology | This course mainly cultivates students' craftsmanship spirit and professional ethics. Through the study of this course, students will have a basic knowledge of automotive testing and basic skills related to automotive assembly and component testing application technology, and improve their professional quality. | 48 class hours 3credits | Compu lsory | 5 |
| 4 | Automotive Quality Inspection Technology | This course mainly cultivates students to use testing equipment tools and quality management tools to complete the quality inspection, defect and fault level classification of the entire vehicle and its components based on the quality inspection standards and evaluation standards of automotive products. | 48 class hours 3credits | Compu lsory | 4 |
| 5 | Automotive Fault Diagnosis Technology | This course mainly cultivates students to use related tools and equipment such as multimeters and automotive fault diagnosis instruments to complete the repair of vehicles with faults on the automotive assembly production line according to the automotive repair process. | 64 class hours 4credits | Compu lsory | 5 |
| 6 | Production Site Management of Automobiles | This course mainly cultivates students to use production management tools and intelligent information management systems based on the production site management methods of automobile enterprises, to complete the organizational management of automobile production site teams, equipment, quality, safety production, etc. | 32 class hours 2credits | Compu lsory | 4 |