

# Automotive Engineering

## I Objectives

The modern automobile design and manufacture  
 Vehicle Dynamics and Control Technology  
 New energy vehicles and power systems  
 Automobile industry engineering

## II Disciplinary Research Areas

Course Category	Course No.	Course Name	Hour	Credit	Semester	School	Remark
Public Degree Courses	003281001	First Foreign Language(Chinese)	108	6	12	School of International Education	Starting from Undergraduate
	003281002	Introduction to China	54	3	1	School of International Education	Compulsory
	-	Mathematics	-	-	-	-	-
DegreeCourse	00712115	Automotive Technological Innovation and Economic Development	36	4	1	School of Automotive Engineering	
	00712113	Modern body structure forming technology	36	2	2	School of Automotive Engineering	
	00712114	Modern automotive technology in the Manufacturing Science	32	2	1	School of Automotive Engineering	
	00712108	Advances in new energy car	36	2	2	School of Automotive Engineering	

Course Category	Course No.	Course Name	Hour	Credit	Semester	School	Remark
	00711101	Vehicle Engineering frontier	36	2	1	School of Automotive Engineering	
	00711102	Advanced Vehicle Dynamics	36	2	1	School of Automotive Engineering	
	00711110	Automobile Industry			2	School of Automotive Engineering	
	00711104	Automobile Virtual Test Technology	36	2	2	School of Automotive Engineering	
	00711108	Automotive Intelligent Manufacturing Technology	32	2	1	School of Automotive Engineering	
	00711103	Study on key technologies of new energy vehicles	36	2	3	School of Automotive Engineering	
	00712111	Automotive lightweight materials and advanced manufacturing technologies	36	2	3	School of Automotive Engineering	
	00712106	Vehicle chassis control technology	36	2	2	School of Automotive Engineering	
Professional Elective	00712112	Metal materials research front	36	2	1	School of Automotive Engineering	

Course Category	Course No.	Course Name	Hour	Credit	Semester	School	Remark
	00712109	NVH Automotive NVH control technology	36	2	2	School of Automotive Engineering	
	00711110	Nonlinear Analysis of Vehicle Body Structure	36	2	2	School of Automotive Engineering	
	00712111	Progress in automotive lightweight	18	1	2-3	School of Automotive Engineering	
	00712116	Automobile Production Operations Management Theory and Methods	36	2	1	School of Automotive Engineering	
	00712110	Modern control theory and its progress	18	1	1	School of Automotive Engineering	
	00711106	Vehicles and their safety assessment system	36	2	2	School of Automotive Engineering	
	00711205	Vehicle Dynamic Control and Simulation System	36	2	2	School of Automotive Engineering	
	00711105	Vehicle body manufacturing Digital Principles and Methods	36	2	2	School of Automotive Engineering	

Course Category	Course No.	Course Name	Hour	Credit	Semester	School	Remark
	00711107	Automotive Life Cycle Theory and Technology	32	2	1	School of Automotive Engineering	
	00711109	Modern vehicle design theory and method	36	2	1	School of Automotive Engineering	
Elective	01813001-004	Second foreign language (French, Japanese, German, Russian)	72	4	2	School of Foreign Languages	
	02112101	Marxist Classics Readings	18	1	3	School of Marxism	
Compulsory	00714003	Academic Activity		1	4	Presentation 5 times Seminar Attending 10 times	
	00714001	Practice		2	3		
	00714002	Topics Report		1	3		