
Agricultural Mechanization and its Automation

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(一) 通识课程学分

1. 公共必修课

(1) 思想政治理论类 14+ (2) 学分

MARX1022	Ideological morality and Rule of law	3	1
MARX1010	Summary of Modern and Contemporary Chinese	3	2
MARX1011	Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristics	5	4
MARX1021	Principles of Marxism	3	3
MARX1012	Current State Affairs and Policies	2	1~8

(2) 英语类 8 学分

	College English		
	I Advanced Reading & Writing I		
	I Advanced Listening & Speaking I		
	II Advanced Reading & Writing II		

	II Advanced Listening & Speaking II		
	Engineering English		
	Business English		
	Integrated Academic English		
	Advanced Integrated English		

(3) 计算机类 3 学分

	C C Language Programming		
	C Experiments for C Language Programming		

PE1006	Military Skills Training	2	1
PE1018	Military Theory	2	1
PE1001	I Physical Education I	1	1
PE1002	II Physical Education II	1	2
PE1003	III Physical Education III	1	3
PE1004	IV Physical Education IV	1	4

GC1648	* Innovation and Entrepreneurship Basics for College students	1	2

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(二) 专业课程

MEEN3601	* Discipline Introduction	1	1
MEEN4165	* Creative Thinking and Innovative Method*	1	3
AGEN3208	A Electrotechnics and Electronics A	3	3
MEEN3110	Theoretical Mechanics	3	3
MEEN4158	B Material Mechanics B	2	4

MEEN2203	I Graphing of EngineeringI	3	1
MEEN2204	II Graphing of EngineeringII	2	2
MEEN3104	Theory of Machines and Mechanisms	3	4
MEEN4175	Fundamentals of Control Engineering	2	5
MEEN4104	A Mechanical Design	3	5

AGEN4187	Fundamentals of Agriculture Science	2	4
AGEN4153	* Agricultural Mechanics	3	5
AGEN4176	Experiments forAgricultural Mechanics	1	5
AGEN4184	A Structure and Theory of Automobile and Tractor A	3	6
AGEN4177	Experiments for Structure and Theory of Automobile and Tractor	1	6
AGEN4188	Application and Management for Agricultural Mechanization	3	6

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AGEN4133

AGEN4152	Academic Foreland	1	6
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MEEN4247	Basic Sketching	2	2
MEEN3111	B Mechanical Manufacture Processes B	2	7
AGEN4156	Mechatronics	1.5	4
MEEN4159	B Fluid Mechanics B	1.5	5
MEEN4160	B Engineering Thermodynamics B	1.5	5
ELIN4124	Computer Networks	2	5
AGEN4160	Automatic Measurement and Control Technology of Agricultural Machinery	1.5	7
AGEN4161	Mechanical Soil Dynamics	1	7
AGEN4162	Agricultural Robots	1.5	7
AGEN4163	Agricultural Machine Vision Technology	1.5	7
AGEN4164	Processing Machinery of Agricultural Products	1	7
AUTO4144	Introduction to Artificial Intelligence	1	7
AGEN4227	Circuit Theory	3	3
MEEN4111	Modern Mechanical Design Methods	2	6

AGEN4157	Experiment Design and Data Processing	1.5	5
AGEN4167	Fundamentals of Precision Agriculture	1.5	6
AGEN4168	Physical Properties of Agricultural Material	1	6
MEEN4348	B Heat Transfer B	1.5	6
AGEN4170	Principles of Food Engineering	1.5	6
AGEN4172	ff ff ff ff	1.5	5
AGEN4171	Safety and Inspection of Agricultural Products	1.5	7
AGEN4173	Agricultural Biological Environmental Engineering B	1	6
AGEN4174	New Energy Technology and Application	1	7

MASE7109	Numerical Analysis and Mathematical Modeling	2	7
AGEN6101	Advanced Agricultural Mechanics	2	7
MEEN6101	Advanced Engineering Mechanics (Mechanical Vibration)	2	7
AGEN7302	Digital Image Processing	2	6
AGEN7303	Embedded System	2	7

GPA≥3.0

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MEEN4138	AI# Metalworking Practice AI	2	3
MEEN4139	AII#	2	4

	Metalworking Practice AII		
AGEN4132	Basic Scientific Research Training	1	3
AGEN4175	Practicefor Mechatronics	1	4
MEEN4106	A Course Design in Mechanical Design A	2	5
AGEN4185	# Production Practice on the Farm	1	5
AGEN4186	Production Practice in Agricultural Machinery Enterprises	1	6
MEEN4107	Practice in Mechanical Manufacture Processes	2	7
AGEN4180	Practices for Comprehensive Design of Agricultural Machinery	2	7
AGEN4131	Comprehensive Specialized Skills Training	1	7
AGEN4130	Graduation Field work and Graduation Project	10	7-8

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GC1105	Psychological Health Education	2	1
GC1101	I* Life Planning and Career Development I*	0.5	2
GC1102	II* Life Planning and Career Development II*	0.5	5
GC1104	Safety Education for University Students	1	1
GC1201	Social Practice for Undergraduates	1	
	艺术实践 ff ff ff	1	1-8

AGEN4182	* Open Course of Experts from Agricultural Machinery Industry and Enterprise	1	7

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MEEN4141	Tolerance and Measuring Technology	2	4	
MASE4132	Project Management	2	6	
AUTO4135	Principles and Application of MCU	2	6	
MEEN3112	Basics of Mechanical Manufacturing	2	3	

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MARX1021	Principles of Marxism		3	36		1
	II Advanced Reading & Writing II		2	36		
	II Advanced Listening & Speaking II					
MARX1012	Current State Affairs and Policies		(0.5)	8		
PE1003	III Physical Education III		1	2	34	
MATH2604	A Linear Algebra A		3	48		
MATH2609	C Complex Function and Integral Transformation C		1.5	24		
MEEN3110	Theoretical Mechanics		3	48		
AGEN3208	A Electrotechnics and Electronics A		3	38	10	
MEEN4138	AI# Metalworking Practice AI#		2			2
MEEN3112	Basics of Mechanical Manufacturing		2	32		
AGEN4132	Basic Scientific Research Training		1			1
MEEN4165	* Creative Thinking and Innovative Method*		1	16		
AGEN4227	Circuit Theory		3	48		
AGEN4133	SRT Program for Student Innovation through Research and Training		1			
			26.5 (0.5)	336	44	4

MARX1012	Current State Affairs and Policies	(0.5)	8		
MEEN4104	A Mechanical Design A	3	42	6	
MEEN4106	A Course Design in Mechanical Design A	2			2
AGEN4153	* Agricultural Mechanics	3	48		
AGEN4176	Experiments for Agricultural Mechanics	1		16	
AGEN4185	# Production Practice on the Farm	1			1
MEEN4159	B Fluid Mechanics B	1.5	16	8	
MEEN4160	B Engineering Thermodynamics B	1.5	24		
AGEN4159	Mechanical Engineering Measurement Technology	1.5	18	6	
MEEN4175	Fundamentals of Control Engineering	2	26	6	
AGEN4157	Experiment Design and Data Processing	1.5	24		
AGEN4172	Treatment and Disposal of Agriculture Solid Waste	1.5	18	6	
ELIN4124	Computer Networks	2	20	12	
GC1102	II* Life Planning and Career Development II	0.5	8		
		21.5 (1)	252	60	3

MARX1012	Current State Affairs and Policies		(0.5)	8		
AGEN4184	A Structure and Theory of Tractor and Automobile A		3	48		
AGEN4177	Experimentsfor Structure and Theory of Automobile and Tractor		1		16	
AGEN4186	# Production Practicein Agricultural Machinery Enterprises		1			1
AGEN4188	Application and Management for Agricultural Mechanization		3	48		
AGEN4158	Design and Computation of Agricultural Machinery		1.5	24		
MEEN4335	B Hydraulic and Pneumatic Technology B		1.5	14	10	
AGEN4152	Academic Foreland		1	16		
AGEN4167	Fundamentals of Precision Agriculture		1.5	20	4	
AUTO4135	Principlesand Application of MCU		2	24	8	
MASE4132	Project Management		2	32		
AGEN4170	Principles of Food Engineering					

MARX1012	Current State Affairs and Policies		(0.5)	8		
AGEN4131	Comprehensive Specialized Skills Training		1			1
AGEN4180	Practice for Design of Agricultural Machinery		2			2
AGEN4160	Automatic Measurement and Control Technology of Agricultural Machinery		1.5	10	14	
MEEN3111	B Mechanical Manufacture Processes B		2	32		
MEEN4107	Practice in Mechanical Manufacture Processes		2			2
AGEN4171	Safety and Inspection of Agricultural Products		1.5	21	3	
AGEN4174	New Energy Technology and Application		1	16		
AGEN4161	Mechanical Soil Dynamics		1	16		
AGEN4162	Agricultural Robots		1.5	24		
AGEN4163	Agricultural Machine Vision Technology		1.5	20	4	
AGEN4164	Processing Machinery of Agricultural Products		1	16		
AUTO4144	Introduction to Artificial Intelligence		1	16		
MASE7109	Numerical Analysis and Mathematical Modeling		2	32		
AGEN6101	Advanced Agricultural Mechanics		2	32		
MEEN6101	Advanced Engineering Mechanics (Mechanical Vibration)		2	32		
AGEN7303	Embedded System		2	32		
AGEN4182	* Open Course of Experts from Agricultural Machinery Industry and Enterprise		1	16		
			26 (0.5)	323	21	5

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MARX1012	Current State Affairs and Policies		(0.5)	8		
AGEN4130	Graduation Practice & Graduation Thesis		10			10
			10 (0.5)	8		10