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36	B311001		Ideological and Moral Cultivation & Legal Basis	3	48	42	6	1	
	B311053		Outline of Modern Chinese History	3	48	42	6	2	
	B311002		Basic Principle of Marxism	3	48	42	6	3	
	B311054		Outline of Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics	5	80	70	10	4	
	B311005		Situation and Policy	2	64	48	16	1-8	
	B111001		College English 1	3	48	42	6	1	
	B111002		College English 2	3	48	42	6	2	
	B111003		College English 3	2	32	30	2	3	
	B111004		College English 4	2	32	30	2	4	
	B161001		Physical Education 1	1	36	36	0	1	
	B161002	(	Physical Education 2	1	36	36	0	2	
	B161003		Physical Education 3	1	36	36	0	3	
	B161004		Physical Education 4	1	36	36	0	4	
	B991001		Military Theory	2	36	32	4	1	
	B991002		The Employment Guidance for College Students	2	38	38	0	3	
	B991006		Innovation and Entrepreneurship Education	2	32	32	0	4	

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40.5		B051001	A( )	Advanced Mathematics A 1	5	80	80	0	1	
		B051002	A( )	Advanced Mathematics A 2	5	80	80	0	2	
		B051008		Linear Algebra	2	32	32	0	2	
		B051009		Probability and Statistics	2	32	32	0	3	
		B021101	C	C Language Programming	4	64	38	26	1	
		B021102		Data Structure	4.5	72	48	24	2	
		B021103		Computer Networks	4	64	54	10	3	
		B021104		Operating Systems	3.5	56	40	16	4	
		B021105		Principles of Computer Composition	4	64	54	10	4	
		B021106		Introduction to Computational Science	2	32	32	0	1	
		B061003	B	College Physics B	3.5	56	56	0	2	
		B061006	B	College Physics Experiment B	1	18	0	18	2	
23.5		B021109		Discrete Mathematics	3	48	48	0	3	
		B021108	Java	Java Language Programming	4	64	48	16	3	
		B021210	Linux	Linux System Technology and Maintenance	3	48	24	24	4	
		B021208		Software Engineering	2.5	40	40	0	4	
		B021209		Principles and Applications of Big Data Technology	3	48	32	16	5	
		B021114		Database Principles	3	48	32	16	5	
		B021204		Software Project Management	2	32	32	0	6	

		B021211		Large Data Storage and Processing Technology	3	48	32	16	6	
	26	B991004		Military Training	2	2	0	2	1	
		B021601		Professional Introduction	1	1	0	1	1	
		B021602	C	Practical Development of C Language Programming	2	2	0	2	2	
		B991005		Labor Course	1	1	0	1	3	
		B021603		Practical Development of Data Structure	2	2	0	2	3	
		B021604	Java	Practical Development of Java Language Programming	2	2	0	2	4	
		B021606		Practical Development of Operating Systems	1	1	0	1	5	
		B021631		Practical Development of Big Data Technology	1	1	0	1	5	
		B021609		Graduation Practice	2	2	0	2	8	
		B021610		Graduation Design	12	12	0	12	8	
	32	B022122	Java	Senior Programming with Java	3.5	56	40	16	3	
		B022211	Python	Python Programming	3	48	24	24	4	
	3	B022123	Java Web	Web Development with Java	5	80	40	40	4	
		B022212	python	Python data analysis and Application	3	48	24	24	5	

		B022223		Design and Analysis of Data Mining Algorithms	3	48	24	24	5	✓
		B022128		Computer English	2	32	32	0	5	✓
		B022222		Software Requirement Analysis	2	32	32	0	6	✓
		B022203		Artificial Intelligence	2.5	40	24	16	6	✓
		B022216	Spark	Spark Big Data Programming	3	48	24	24	7	✓
		B022224		Data Warehouse Technology	2	32	32	0	7	✓
32		B022218	python	Practical Development of Python data analysis and Application	1	1	0	1	6	✓
3		B022202	JAVA	Patterns of Java Programming	2	32	24	8	6	
		B022213		Large Data Visualization Technology	2.5	40	24	16	6	
		B022108	J2EE	J2EE Programming	3.5	56	28	28	7	
		B022205		Mobile Application Development Technology	3.5	56	28	28	7	
		B022207		Network security and Encryption Technology	2.5	40	24	16	7	

	32	B022220		Comprehensive Training for Big Data Development Projects	2	2	0	2	8	
	3	B022221		Comprehensive Training for Big Data Analysis Projects	2	2	0	2	8	✓
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		python	H	H	M	M	M	M	L	H	L	H	H	M
		JAVA	H	H	H	M	H	M	L	L	M	M	H	H
		J2EE	H	H	H	M	H	M	L	L	M	M	H	H
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