



北京理工大学

BEIJING INSTITUTE OF TECHNOLOGY

(Updated on 2019.10.12)

English Taught Programs for Undergraduates

- ★ **Mechanical Engineering**
- ★ **Electrical Engineering**
- ★ **Electronic Engineering**
- ★ **Computer Science and Technology**
- ★ **International Economics and Trade**

English-taught Program in Mechanical Engineering

No.	Course Code	Course Title	Course Title	Credits	Semester	SemesterTime	备注
1	101037302	工程制图 (全英文)	Engineering Graphics	4	2	March	
2	101037326	工程概论 (全英文)	Introduction to Engineering	1	2	March	
3	101013001	理论力学 (全英文)	Theoretical Mechanics	4	3	September	
4	101051238	电工与电子技术 I (全英文)	Electrical & Electronics(I)	2.5	3	September	
5	101051295	电工和电子技术实验 (I) (全英文)	Experiment for Electrical & Electronics(I)	0.5	3	September	
6	101037304	机械原理 (全英文)	Theory of Machines and Mechanisms	3	4	March	双语 (实验双语) Bilingualism (Experimental Bilingualism)
7	101051239	电工和电子技术II (全英文)	Electrical & Electronics(II)	2.5	4	March	
8	101051296	电工与电子技术实验 II (全英文)	Experiment for Electrical & Electronics(II)	0.5	4	March	
9	101037305	工程材料与应用 (全英文)	Principle and Application of Engineering material	3	4	March	双语 (实验中文) Bilingualism (Experimental in Chinese)
10	101014001	材料力学 (全英文)	Mechanics of Materials	3.5	4	March	
11	101037306	热力学 (全英文)	Thermodynamics	3	4	March	
12	101037307	机械设计 (全英文)	Machine Design	3	5	September	
13	101037308	机械设计综合课程设计 (全英文)	Mechanical Design Project	2	5	September	

14	101037309	传热学（全英文）	Heat Transfer	2	5	September	
15	101037310	机械振动（全英文）	Mechanical Vibrations	3	5	September	
16	101037311	系统建模与仿真（全英文）	Modelling and Simulation of Systems	3	5	September	
17	101037325	计算机辅助设计与工程（全英文）	Computer -Aided Design and Engineering	3	5	September	
18	101037314	嵌入式系统开发（全英文）	Design of Embedded Control System	2	5	September	
19	101037312	中国文化与跨文化交流（全英文）	Chinese Culture & Cross-Cultural Communications	1	5	September	
20	101037303	科学研究与写作（全英文）	Research Methods and Academic Writing	1	5	September	
21	101037315	控制原理与测试（全英文）	Principle of Control and Instrumentation	3	6	March	双语（实验双语） Bilingualism (Experimental Bilingualism)
22	101037316	流体力学（全英文）	Fluid Mechanics	3	6	March	
23	101037317	机械制造与装备（全英文）	Manufacturing and Machine Tools	4	6	March	
24	101037318	内燃机构造与原理（全英文）	Internal Combustion Engine Fundamentals	4	6	March	
25	101037319	汽车结构与设计（全英文）	Automotive Structure and Design	4	6	March	双语（实验双语） Bilingualism (Experimental Bilingualism)
26	101037322	能源系统及设计（全英文）	Energy System and Design	3	7	September	
27	101037320	工程管理（全英文）	Engineering Management	3	7	September	
28	101037321	专业课程设计（全英文）	Engineering Design Project	3	7	September	

English-taught Program in Electrical Engineering

No.	Course Code	Course Title	Course Title	Credits	Semester	SemesterTime	备注
1	101062102	电路分析基础A	Fundamentals of Electric Circuit Analysis	3.5	2	March	
2	101062219	电路分析基础实验A	Electric Circuit Lab	1	2	March	
3	101062101	工程概论	Introduction to Engineering	1	3	September	
4	101062103	数据结构与算法设计	Data Structures and Algorithm Design	2	3	September	
5	101062104	模拟电子技术基础A	Analog Electronics A	3.5	3	September	
6	101062103	模拟电子技术实验A	Analog Electronic Experiment A	0.75	3	September	实验 Experiment
7	101062106	信号分析与处理	Signals Analysis and Processing	3	4	March	
8	101062120	工程电磁场	Engineering Electromagnetic Field	3	4	March	
9	101063107	数字逻辑与CPU	Digital Logic Circuit and CPU	4	5	September	
10	101063108	自动控制理论 I	Control Theory I	4	5	September	
11	100063211	自动控制理论综合实验	Control Theory Experiment	2	5	September	实验 Experiment
12	101063109	电力电子技术	Power Electronics	3	5	September	
13	101063110	电力系统分析	Power Systems Analysis	3	5	September	
14	101063111	自动控制理论 II	Control Theory II	3	6	March	
15	101063112	电机及控制	Electrical Machine and Drive	5	6	March	
16	101063113	传感器与检测技术	Sensor and Measurement Technology	2.5	6	March	
17	101063114	计算机控制系统	Computer Controlled System	2.5	6	March	

English-taught Program in Electronic Engineering

No.	Course Code	Course Title	Course Title	Credits	Semester	SemesterTime
1	101051206	模拟电路基础（全英文）	Fundamentals of Analog Circuits(English)	3	3	September
2	101052203	信号与系统（全英文）	Signal and Systems(English)	3	3	September
3	101057303	数字通信原理（全英文）	Digital Communication Principles(English)	3	5	September
4	107050411	工程创新设计V	Engineering Innovation Design V	1	5	September
5	101055303	控制理论基础（全英文）	Fundamentals of Control Theory(English)	2	5	September
6	101053308	计算机原理与应用（全英文）	Computer Principle and Application(English)	4	5	September
7	101058406	数据通信与网络（全英文）	Data Communication and Network(English)	2	5	September
8	101051203	电路分析基础（全英文）	Fundamentals of Circuits Analysis(English)	3	2	March
9	101053205	算法与数据结构（全英文）	Algorithm and Data Structure(English)	1.5	2	March
10	101052206	数字信号处理（全英文）	Digital Signal Processing(English)	2.5	4	March
11	101054203	电磁场理论与微波工程（全英文）	Electromagnetic Fields Theory and Microwave Engineering(English)	4	4	March
12	101056303	半导体物理与器件建模（全英文）	Semiconductor Physics and Device Modeling	3	4	March
13	101051209	数字电路（全英文）	Digital Circuits(English)	3	4	March
14	101051312	通信电路（全英文）	Communication Circuits(English)	3	4	March

English-taught Program in Computer Science and Technology

No.	Course Code	Course Title	Course Title	Credits	Semester	SemesterTime
1		组合数学	Combinatorics	3	5	September
2		软件工程基础	Software Engineering Fundamentals	3	5	September
3		数字图像处理技术	Digital Image Processing	3	5	September
4		人工智能基础	Introduction to Artificial Intelligence	3	5	September
5		操作系统	Principles of Operating System	3	5	September
6		计算机组成原理与体系结构	Computer Organization and Architecture	3	5	September
7		企业信息管理	Enterprise Information Management	3	5	September
8		大数据基础	Big Data Fundamental	3	5	September
9		无线网络技术及应用	Wireless Networks and Applications	2	6	March
10		编译原理与设计	Compiler Principles and Design	4	6	March
11		多媒体技术	Multimedia Technology	3	6	March
12		模式识别与计算机视觉	Pattern Recognition & Computer Vision	3	6	March
13		操作系统实践	Practice of Operating System	2	7	September
14		计算机网络课程设计	Experiment of Computer Networks	2	7	September
15		软件工程设计	Software Engineering Experiment	2	7	September

English-taught Program in International Economics and Trade

No.	Course Code	Course Name	Course Name	Credits	Semester	Semester Time
1	101210006	微观经济学(全英文)	Microeconomics	3	2	March
2	101210026	会计学基础(全英文)	Fundamentals of Accounting	2	2	March
3	100210040	商业伦理与企业社会责任	Business Ethics and Social Responsibility	2	2	March
4	101210005	管理学原理(全英文)	Principles of Management	2	3	March
5	101210025	宏观经济学(全英文)	Macroeconomics	2	3	September
6	101210027	财务管理概论(全英文)	Financial Management	2	3	September
7	101210260	国际经济学(I)	International Economics	2	3	September
8	101210038	经济法(全英文)	Law for Economics	2	3	September
9	100210264	中级微观经济学	Intermediate Microeconomics	2	3	September
10	101210097	国际市场营销(全英文)	International Marketing	3	4	March
11	101210028	应用统计学(全英文)	Applied Statistics	2	4	March
12	101210035	货币银行学(全英文)	Monetary and Banking	2	4	March
13	101210262	商务统计软件应用(全英文)	Application of Business Statistics Software	2	4	March
14	101210263	国际商务沟通(全英文)	International business communication	3	4	March
15	100210265	中级宏观经济学(全英文)	Intermediate Macroeconomics	2	4	March
16	101210036	国际金融(全英文)	International Finance	2	6	March

17	101210037	国际商法（全英文）	International Business Law	2	6	March
18	101210039	国际贸易实务（全英文）	Practice of International Trade	2	6	March
19	101210040	计量经济学（全英文）	Econometrics	2	6	March
20	101210056	管理信息系统（全英文）	Management Information System	2	6	March
21	101210073	跨文化管理（全英文）	Intercultural Management	2	6	March
22	101210082	国际商务环境（全英文）	International Business Environment	2	6	March
23	101210083	世界经济（全英文）	World Economy	2	6	March