



北京理工大学

BEIJING INSTITUTE OF TECHNOLOGY

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
1	101037302	工程制图	Engineering Graphics	4	2	March
2	101037326	工程概论	Introduction to Engineering	1	3	September
3	101037304	机械原理	Theory of Machines and Mechanisms	3	4	March
4	101037305	工程材料与应用	Principle and Application of Engineering materials	3	4	March
5	101037306	热力学	Thermodynamics	3	4	March
6	101037309	传热学	Heat Transfer	2	5	September
7	101037308	机械设计综合课程设计	Mechanical Design Project	2	5	September
8	101037307	机械设计	Machine Design	3	5	September
9	101037310	机械振动	Mechanical Vibrations	3	5	September
10	101037311	系统建模与仿真	Modeling and Simulation of Systems	3	5	September
11	101037325	计算机辅助设计与工程	Computer-Aided Design and Engineering	3	5	September
12	101037315	控制原理与测试	Principle of Control and Instrumentation	3	6	March
13	101037316	流体力学	Fluid Mechanics	3	6	March
14	101037317	机械制造与装备	Manufacturing and Machine Tools	4	6	March
15	101037318	内燃机构造与原理	Internal Combustion Engine Fundamentals	4	6	March

16	101037319	汽车结构与设计	Automotive Structure and Design	4	6	March
17	101037322	能源系统及设计	Energy System and Design	3	7	September
18	101037320	工程管理	Engineering Management	3	7	September

English-taught Program in Electrical Engineering

No.	Course Code	Course Title	Course Title	Credits	Semester	SemesterTime
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	101062106	信号分析与处理	Signals and Systems	3	4	March
7	101062120	电磁场	Electromagnetic Field	3	4	March
8	101063107	数字逻辑与CPU	Digital Logic Circuit and CPU	4	5	September
9	101063108	自动控制理论 I	Control Theory I	4	5	September
10	101063109	电力电子技术	Power Electronics	3	5	September
11	101063110	电力系统分析	Power Systems Analysis	3	5	September
12	101063111	自动控制理论 II	Control Theory II	3	6	March
13	101063112	电机及控制	Electrical Machine and Drive	5	6	March
14	101063113	传感器与检测技术	Sensor and Measurement Technology	2.5	6	March
15	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	Semester Time
1	101051203	电路分析基础（全英文）	Fundamentals of Circuits Analysis	3	2	March
2	101053205	算法与数据结构（全英文）	Algorithm and Data Structure	1.5	2	March
3	101052203	信号与系统	Signals and Systems	3	3	September
4	101051206	模拟电路基础	Fundamentals of Analog Circuits	3	3	September
5	101052206	数字信号处理（全英文）	Digital Signal Processing	2.5	4	March
6	101054203	电磁场理论与微波工程（全英文）	Electromagnetic Fields Theory and Microwave Engineering	4	4	March
7	101056303	半导体物理与器件建模（全英文）	Semiconductor Physics and Device Modeling	3	4	March
8	101051209	数字电路（全英文）	Digital Circuits	3	4	March
9	101051312	通信电路（全英文）	Communication Circuits	3	4	March
10	101057303	数字通信原理	Principles of Digital Communication	3	5	September
11	101053308	计算机原理与应用	Computer Principle and Application	4	5	September
12	101055303	控制理论基础	Fundamentals of Control Theory	2	5	September
13	101058406	数据通信与网络	Data Communication and Networking	2	5	September
14	107050411	工程创新设计 V	Engineering Innovation Design V	1	5	September
15	101056408	集成电路工程（全英文）	Integrated Circuits Engineering	4.25	6	March
16	101057410	电子通信系统（全英文）	Electronic Communication Systems	4	6	March
17	101056474	嵌入式系统设计与验证（全英文）	Embedded System Design and Verification	2	6	March

English-taught Program in Computer Science and Technology

No.	Course Code	Course Title	Course Title	Credits	Semester	SemesterTime
1	MTH07065	组合数学	Combinatorics	3	5	September
2	COM07019	操作系统课程设计	Experiment of Operating Systems	3	5	September
3	COM07062	无线网络技术及应用	Wireless Networks and Applications	3	5	September
4	COM07047	软件工程基础	Fundamentals of Software Engineering	4	5	September
5	COM07058	计算机网络课程设计	Experiment of Computer Networks	2	6	March
6	COM07017	编译原理与设计	Compiler Principles and Design	4	6	March
7	COM07043	人工智能基础	Introduction to Artificial Intelligence	3	6	March
8	COM07057	图像处理技术	Digital Image Processing	3	6	March
9	COM07020	多媒体技术	Multimedia Technology	3	7	September
10	COM07027	计算机图形学	Computer Graphics	3	7	September
11	COM07041	模式识别与计算机视觉	Pattern Recognition & Computer Vision	3	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	101210075	国际经济学(全英文)	International Economics	2	3	September
5	101210005	管理学原理(全英文)	Principles of Management	2	3	March
6	101210056	管理信息系统(全英文)	Management Information System	2	3	March
7	101210025	宏观经济学(全英文)	Macroeconomics	2	3	September
8	101210073	跨文化管理(全英文)	Intercultural Management	2	3	September
9	101210027	财务管理概论(全英文)	Financial Management	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	101210038	经济法(全英文)	Law for Economics	2	4	March
13	101210035	货币银行学(全英文)	Monetary and Banking	2	4	March
14	101210039	国际贸易实务(全英文)	Practice of International Trade	2	6	March
15	101210082	国际商务环境(全英文)	International Business Environment	2	6	March
16	101210083	世界经济(全英文)	World Economy	2	6	March

17	101210078	世界贸易组织（全英文）	World Trade Organization	2	6	March
18	101210037	国际商法（全英文）	International Business Law	2	6	March
19	101210036	国际金融（全英文）	International Finance	2	6	March
20	101210040	计量经济学（全英文）	Econometrics	2	6	March