



**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	Semester Time
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	MEC03249	机械设计	Machine Design	3	5	September
8	MEC03251	系统建模与仿真	Modeling and Simulation of Systems	2.5	5	September
9	MEC03233	流体力学	Fluid Mechanics	3	6	March
10	MEC03332	控制原理与测试	Principle of Control and Instrumentation	3	6	March
11	MEC03333	机械工程中的计算机技术	Computer Technology in Mechanical Engineering	2.5	6	March
12	MEC03335	汽车结构与设计	Automotive Structure and Design	4	6	March
13	MEC03336	机械制造与装备	Manufacturing and Machine Tools	4	6	March
14	MEC03289	内燃机结构与设计	Fundamentals of Internal Combustion Engine	4	6	March
15	MEC03256	能源系统及设计	Introduction Energy System	3	7	September
16	MEC03339	工程管理	Engineering Management	2.5	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	101063107	数字逻辑与CPU	Digital Logic Circuit and CPU	4	5	September
8	101063108	自动控制理论 I	Control Theory I	4	5	September
9	101063109	电力电子技术	Power Electronics	3	5	September
10	101063110	电力系统分析	Power Systems Analysis	3	5	September
11	101063111	自动控制理论 II	Control Theory II	3	6	March
12	101063112	电机及控制	Electrical Machine and Drive	5	6	March
13	101063113	传感器与检测技术	Sensor and Measurement Technology	2.5	6	March

## English-taught Program in Electronic Engineering

No.	Course Code	Course Title	Course Title	Credits	Semester	SemesterTime
1	101051203	电路分析基础	Fundamentals of Electric Circuit Analysis	3	2	March
2	101053205	算法与数据结构	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	Digital Signal Processing	2.5	4	March
6	101054203	电磁场理论与微波工程	Electromagnetic Fields Theory and Microwave Engineering	4	4	March
7	101056303	半导体物理与器件建模	Semiconductor Physics and Device Modeling	3	4	March
8	101051209	数字电路	Digital Circuits	3	4	March
9	101051312	通信电路	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	INF05192	数字通信原理	Principles of Digital Communication	4	6	March
16	COM05115	计算机原理与应用	Computer Principle and Application	3.5	6	March
17	ELC05178	控制理论基础	Fundamentals of Control Theory	3	6	March

18	INF05193	数据通信与网络	Data Communication and Networking	2	6	March
19	INF05168	工程创新设计 V	Engineering Innovation Design V	2	6	March
20	INF05191	随机信号分析	Random Signal Analysis	3	6	March
21	INF05194	半导体物理与器件建模	Semiconductor Physics and Device Modeling	3	6	March
22	INF05196	超大规模集成电路设计	VLSI Design	4	7	September
23	INF05195	模拟集成电路分析与设计基础	Analysis and Design Basics of Analog Integrated Circuit	4	7	September

## 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	操作系统实践	Practice of Operating System Principles	3	5	September
3	COM07062	无线网络技术及应用	Wireless Networks and Applications	3	5	September
4	COM07058	网络技术实践	Experiment of Networking Technology	2	6	March
5	COM07017	编译原理	Compiler Principles and Design	5	6	March
6	COM07043	人工智能基础	Introduction to Artificial Intelligence	3	6	March
7	COM07057	图像处理技术	Digital Image Processing	3	6	March
8	COM07047	软件工程基础	Fundamentals of Software Engineering	4	7	September
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	100210006	微观经济学	Microeconomics	3	2	March
2	100210026	会计学基础	Fundamentals of Accounting	2	2	March
3	100210005	管理学原理	Principles of Management	2	3	September
4	100210056	管理信息系统	Management Information System	2	3	September
5	100210025	宏观经济学	Macroeconomics	2	3	September
6	100210007	市场营销学	Marketing	2	3	September
7	100210042	人力资源管理	Human Resources Management	2	3	September
8	100210026	会计学基础	Fundamentals of Accounting	2	3	September
9	100210073	跨文化管理	Intercultural Management	2	3	September
10	101210097	国际市场营销	International Marketing	2	4	March
11	100210079	经贸文章阅读	Business Readings	2	4	March
12	100210028	应用统计学	Applied Statistics	2	4	March
13	100210038	经济法	Law for Economics	2	4	March
14	100210035	货币银行学	Monetary and Banking	2	4	March
15	100210027	中级财务管理	Intermediate Financial Management	2	5	September
16	100210039	国际贸易实务	Practice of International Trade	2	6	March

17	100210082	国际商务环境	International Business Environment	2	6	March
18	100210083	世界经济	World Economy	2	6	March
19	100210078	世界贸易组织	World Trade Organization	2	6	March
20	100210037	国际商法	International Business Law	2	6	March
21	100210036	国际金融	International Finance	2	6	March
22	100210040	计量经济学	Econometrics	2	6	March
23	100210007	市场营销学	Marketing	2	6	March