表1 电子信息工程专业课程设置一览表

| 课程类型 | 课程编号 | 课程名称 | 学分 | 总学时 | 学时分配 | 必修/选修 | 开设学院 | 开设学期 | 知识贡献 | 能力贡献 | 素质贡献 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 讲课 | 实验 |
| 通识类（40.9%）65.5学分 | 思想政治理论课 | 1181001 | 中国近现代史纲要 Essentials of Modern & Contemporary History of China | 1.5 | 24 | 24 |  | 必修12学分 | 思政部 | 1 | A1 | B2 | C1C3 |
| 1181002 | 思想道德修养与法律基础Ideological and Moral Cultivation and Legal Foundation | 2.5 | 40 | 40 |  | 思政部 | 1 | A1A2 | B2B4 | C1C2C3C4 |
| 2181003 | 马克思主义基本原理The Fundermental Principles of Marxism | 2.5 | 40 | 40 |  | 思政部 | 3 | A1 | B3 | C1C4 |
| 3181004 | 毛泽东思想和中国特色社会主义理论体系概论Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristics | 3.5 | 56 | 56 |  | 思政部 | 6 | A1 | B1B2B3 | C1C2C3C4 |
| 2181005 | 形势与政策Current Affairs and Policy | 2.0 | 四年累计参加8次 | 思政部 | 4 | A1A2 | B2 | C1C2C3C4 |
| 英语 | 1191001 | 大学英语ⅠCollege English Ⅰ | 3 | 64 | 32 | 32 | 必修12学分 | 外语系 | 1 | A1 A4A5 | B1B3B4 | C1C2C3 |
| 1191002 | 大学英语ⅡCollege EnglishⅡ | 3 | 64 | 32 | 32 | 外语系 | 2 | A1 A4A5 | B1B3B4 | C1C2C3 |
| 2191001 | 大学英语ⅢCollege EnglishⅢ | 3 | 64 | 32 | 32 | 外语系 | 3 | A1A2A5 | B1B3B5 | C1C3C4 |
| 2191002 | 大学英语ⅣCollege EnglishⅣ | 3 | 64 | 32 | 32 | 外语系 | 4 | A1A2A5 | B1B3B5 | C1C3C4 |
| 体育 | 1241001 | 体育ⅠPhysical Education Ⅰ | 1.0 | 30 | 30 |  | 必修4学分 | 体育部 | 1 | A1A2 | B2B3B4 | C1C2C3C4 |
| 1241002 | 体育ⅡPhysical Education Ⅱ | 1.0 | 30 | 30 |  | 体育部 | 2 | A1 | B4 | C1C2C3C4 |
| 2241001 | 体育ⅢPhysical Education Ⅲ | 1.0 | 30 | 30 |  | 体育部 | 3 | A1A2 | B2B4 | C1C2C3C4 |
| 2241002 | 体育IVPhysical Education IV | 1.0 | 30 | 30 |  | 体育部 | 4 | A1 | B4 | C2C3 |
| 自然科学 | 1151001 | 高等数学（甲）IAdvanced Mathematics（A）I | 5.5 | 88 | 88 | 0 | 必修26学分 | 理学院 | 1 | A3 | B2 | C2C4 |
| 1151002 | 高等数学（甲）II Advanced Mathematics（A）II | 5.5 | 88 | 88 | 0 | 理学院 | 2 | A3 | B2 | C2C4 |
| 1151006 | 线性代数Ⅱ Linear Algebra Ⅱ | 2.5 | 40 | 40 | 0 | 理学院 | 3 | A3 | B2 | C2C4 |
| 1151008 | 概率论与数理统计ⅠProbability and StatisticsⅠ | 4.0 | 64 | 64 | 0 | 理学院 | 3 | A3 | B2 | C2C4 |
| 2153008 | 复变函数Complex Function  | 2.0 | 32 | 32 |  | 理学院 | 3 | A3 | B2 | C2C4 |
| 1151101 | 大学物理（甲）College Physics（A） | 5 | 80 | 80 |  | 理学院 | 2 | A3 | B2B3 | C3C4 |
| 2151102 | 大学物理实验（甲）College Physics Experiments (A) | 1.5 | 48 |  | 48 | 理学院 | 3 | A3 | B2B3 | C3C4 |
| 通识类（40.9%）65.5学分 | 计算机 | 1091002 | 大学计算机基础（乙）Fundamentals of Computer Sciences（B） | 2.5 | 48 | 32 | 16 | 必修5.5学分 | 信息学院 | 1 | A4 | B1B2B3 | C2C4 |
| 1091004 | 程序设计基础（C） Fundamentals of Programming (C) | 3.0 | 56 | 36 | 20 | 信息学院 | 2 | A4 | B1B2B3 | C2C4 |
| 通识类选修课 |  | 新生研讨课Freshman Seminar | 1.0 | 20 | 专题讲座 |  | 选修1学分 | 机电学院 | 1 | A9A10 | B3 | C4 |
| 科技发展与文明传承Scientific and technological development and civilization inheritance | 选修5学分(含公共艺术类课程1学分) |  |  |  |  |  |
| 文明对话与国际视野Dialogue among civilizations and international vision |  |  |  |  |  |
| 人文素养与人生价值Humanities quality and life value |  |  |  |  |  |
| 自然环境与社会发展Natural environment and social development |  |  |  |  |  |
| 经济管理与社会科学Economic management and social sciences |  |  |  |  |  |
| 学科类（37.8%）60.5学分 | 学科大类基础课 | 1082304 | 电路Electric Circuits | 4.5  | 72 | 62 | 10 | 必修23.5 | 机电学院 | 2 | A6 | B6 | C7 |
| 2082305 | 模拟电子技术Analog Electronics | 4.0  | 72 | 56 | 16 | 机电学院 | 3 | A6 | B6 | C7 |
| 2082314 | 数字电子技术Digital Electronics | 4.0  | 72 | 56 | 16 | 机电学院 | 4 | A6 | B6 | C7 |
| 2082315 | 信号与系统Signals and Systems | 4.0  | 64 | 58 | 6 | 机电学院 | 4 | A7 | B7 | C4C9 |
| 2082316 | 电磁场与电磁波Electromagnetic Field and Waves | 3.0  | 48 | 48 |  | 机电学院 | 4 | A6 | B6 | C9 |
| 3082337 | 通信原理Principles of Communication | 4.0  | 64 | 54 | 10 | 机电学院 | 6 | A7A8 | B7 | C9 |
| 学科基础课 | 1083204 | 工程制图（丙）Engineering Graphics (C) | 2.0 | 32 | 32 |  | 必修17学分 | 机电学院 | 1 |  | B6 |  |
| 2093114 | 数据结构（乙）Data Structure（B） | 2.5 | 40 | 32 | 8 | 机电学院 | 3 | A8 | B8 | C9 |
| 2083317 | 自动控制原理Automatic Control Theory | 3.0 | 48 | 40 | 8 | 机电学院 | 4 | A7 | B6B8 | C9 |
| 2083318 | 高频电子线路High Frequency Electronic Circuits | 3.5 | 56 | 48 | 8 | 机电学院 | 4 | A6 | B6B8 | C9 |
| 3083323 | 数字信号处理Digital Signal Processing | 3.0 | 48 | 40 | 8 | 机电学院 | 5 | A7A8 | B7B8 | C4C9 |
| 2083342 | 单片机原理与接口技术（甲）Principle and Interface Technology of Single-Chip Microcomputer（A） | 3.0 | 56 | 40 | 16 | 机电学院 | 5 | A6A8 | B6B7B8 | C7C9 |
| 2083365 | 科研基本方法Basic Methods on Scientific Research | 1.0 | 16 | 16 |  | 选修10学分（29.5） | 机电学院 | 3 |  |  |  |
| 2083307 | MATLAB程序设计MATLAB Programming | 2.0 | 40 | 24 | 16 | 机电学院 | 3 | A7A8 | B8 | C4C9 |
| 2083319 | C++程序设计C++ Programming | 2.0 | 40 | 24 | 16 | 机电学院 | 4 | A4A8 | B8 | C4C9 |
| 2083368 | 计算机网络技术Computer Network Technology | 2.0 | 40 | 32 | 8 | 机电学院 | 3 | A4A8 | B8 | C4C9 |
| 学科类（37.8%）60.5学分 | 学科基础课 | 2083314 | 数据库原理Database System | 1.5 | 32 | 32 |  | 选修10学分（29.5） | 机电学院 | 4 | A4A8 | B8 | C4C9 |
| 2083320 | 电子测量技术Electronic Measurement Technique | 1.5 | 24 | 24 |  | 机电学院 | 4 | A6 | B6 | C4C9 |
| 3083324 | 信息与编码Coding and Information Theory | 2.0 | 32 | 32 |  | 机电学院 | 5 | A7A8 | B7 | C4C9 |
| 3083325 | 传感器原理及应用Principles and Application of Sensors | 2.0 | 32 | 24 | 8 | 机电学院 | 5 | A6A7A8 | B6B8 | C4C9 |
| 3083326 | 微波技术与天线Microwave Technology and Antennas | 2.5 | 40 | 40 |  | 机电学院 | 5 | A7A8 | B6B7 | C4C9 |
| 3083327 | EDA技术（甲）EDA Technology | 2.0 | 32 | 20 | 12 | 机电学院 | 5 | A7 | B7B8 | C4C9 |
| 3083328 | 随机信号分析Random Signal Analysis | 2.0 | 32 | 32 |  | 机电学院 | 5 | A7 | B7 | C4C9 |
| 3083338 | DSP原理及应用Principles and Implement of DSP | 2.5 | 40 | 32 | 8 | 机电学院 | 6 | A7A8 | B4B8 | C4C9 |
| 3083339 | 电视原理Principle os Television | 2.5 | 40 | 32 | 8 | 机电学院 | 6 | A6A8 | B7 | C4C9 |
| 3083329 | Linux操作系统Linux Operating System | 2.0 | 32 | 24 | 8 | 机电学院 | 5 | A8 | B7B8 | C9 |
| 4083353 | 人工智能引论Introduction to Artificial Intelligence | 2.0 | 32 | 32 |  | 机电学院 | 7 | A10 | B6 | C9 |
| 专业课 | 3084334 | 数字图像处理Digital Image Processing | 2.5 | 40 | 30 | 10 | 选修10学分（18.0） | 机电学院 | 5 | A8 | B8 | C9 |
| 3083352 | 嵌入式系统设计Embedded System Design | 2.5 | 40 | 30 | 10 | 机电学院 | 6 | A7A10 | B6B8 | C9 |
| 3084345 | 虚拟仪器技术Virtual Instrument | 2.0 | 32 | 24 | 8 | 机电学院 | 6 | A7 | B8 | C9 |
| 3084346 | 计算机控制技术Computer Control Technology | 2.5 | 40 | 32 | 8 | 机电学院 | 6 | A7A8 | B6B8 | C4C9 |
| 4084356 | 移动通信Mobile Communication | 2.0 | 32 | 24 | 8 | 机电学院 | 7 | A6A10 | B7B8 | C9 |
| 4084357 | 光纤通信Optic Fiber Communications | 2.0 | 32 | 24 | 8 | 机电学院 | 7 | A6A10 | B7B8 | C9 |
| 4084358 | 现代交换技术Modern Switching and Technology | 2.0 | 32 | 24 | 8 | 机电学院 | 7 | A4A10 | B8 | C9 |
| 4084359 | 3S技术及应用Technology and Implement of 3S | 1.5 | 24 | 24 |  | 机电学院 | 7 | A8A10 | B8 | C3 |
| 4084360 | 农业信息技术专题Seminar on Agricultural Information Technology | 1.5 | 24 | 24 |  | 机电学院 | 7 | A8A10 | B8 | C3 |
| 综合实践（21.3%）34学分 | 综合实践 | 1305101 | 军训（含国防教育）Military training (including national defense education) | 2.0 | 3周 |  |  | 必修 | 人武部 | 1 | A1 | B3 | C1C3 |
| 1305201 | 劳动Physical Work |  | 4周 |  |  | 必修 |  |  | A1 | B3 | C1C3 |
| 1305301 | 社会实践Social practice |  |  |  |  | 必修 |  |  |  |  |  |
| 1185007 | 思想政治理论课实践Practice of Ideological and Political Theory | 4.0 |  |  |  | 必修 | 思政部 | 2 | A1A2A5 | B1B2B3B4 | C1C2C3C4 |
| 1085002 | 工程训练（乙）Engineering Training(B) | 2.0 | 2周 |  |  | 必修 | 机电学院 | 2 | A1A4A5 | B1B2B3B4 | C1C2C3C4 |
| 综合实践（21.3%）34学分 | 综合实践 | 2085311 | 电子工艺实习（甲）Electronic Technical Practice（A） | 2.0 | 2周 |  |  | 必修 | 机电学院 | 4 | A7 | B6B8 | C7 |
| 3085335 | 电子技术综合设计Comprehensive Design of Electronics | 3.0 | 3周 |  |  | 必修 | 机电学院 | 5 | A7 | B6B7B8 | C8 |
| 4085362 | 信号与信息处理实训Practice of Information Processing | 3.0 | 3周 |  |  | 必修 | 机电学院 | 7 | A7 | B7B8 | C8C9 |
| 3085348 | 接口技术课程设计Course Design of the Interface Technology | 2.0 | 2周 |  |  | 必修 | 机电学院 | 6 | A7 | B6B8 | C7C9 |
| 3085349 | 生产实习Engineering Internship | 3.0 | 3周 |  |  | 必修 | 机电学院 | 6 | A9A10 | B6B7B8 | C5C6C7C8 |
| 4085363 | 嵌入式系统综合设计Embedded System Design Internship | 3.0 | 3周 |  |  | 必修 | 机电学院 | 7 | A7A10 | B6B7B8 | C7C9 |
| 4305001 | 毕业论文（设计）Graduate Thesis (Design) | 10.0 | 14周 |  |  | 必修 | 机电学院 | 8 | A10 | B6B7B8 | C5C6C7C8C9 |
| 素质与能力拓展学分 |  |  | 8.0 |  |  |  |  |  |  |  |  |  |
| 备注:标●号为全英文课程；标※号为双语课程。 |