计算机科学与技术专业必修课教学进程

Table of Teaching Schedule for Required Course

| **类 别** | **课程编号** | **课 程 名 称** | **学**  **分** | **总**  **学**  **时** | **课**  **内**  **学**  **时** | **实**  **验**  **学**  **时** | **上**  **机**  **学**  **时** | **课**  **外**  **学**  **时** | **开**  **课**  **学**  **期** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|
| 公 共 基 础 教 育 | ~~00701650~~ | ~~形势与政策 Current Events and Policy~~ | 2 | 32 |  |  |  | 32 |  |
| ~~00700972~~ | ~~中国近代史纲要 Compendium Chines Modern History~~ | 2 | 32 | 24 |  |  | 8 | 2 |
| ~~00701351~~ | ~~思想道德修养与法律基础~~  ~~Ldeological and Moral Cultivation and Legal basis~~ | 3 | 48 | 32 |  |  | 16 | 1 |
| ~~00700971~~ | ~~马克思主义基本原理 Basic Principles of Maxism~~ | 3 | 48 | 32 |  |  | 16 | 1 |
| ~~00700981~~ | ~~毛泽东思想和中国特色社会主义理论体系概论 Mao Zedong Thought and the theory of building socialism with Chinese characteris~~ | 6 | 96 | 64 |  |  | 32 | 3 |
| ~~00900130~~ | ~~高等数学B(1) Advanced Mathematics B(1)~~ | 5.5 | 90 | 90 |  |  |  | 1 |
| 00900140 | 高等数学B(2) Advanced Mathematics B(2) | 6 | 96 | 96 |  |  |  | 2 |
| ~~00900462~~ | ~~线性代数 Linear Algebra~~ | 3 | 48 | 48 |  |  |  | 3 |
| 00900111 | 概率论与数理统计B  Probability and Mathematical Statistics B | 3.5 | 56 | 56 |  |  |  | 4 |
| ~~00900050~~ | ~~大学物理(1) College Physics (1)~~ | 4 | 64 | 64 |  |  |  | 2 |
| ~~00900060~~ | ~~大学物理(2) College Physics (2)~~ | 2.5 | 40 | 40 |  |  |  | 3 |
| ~~00800050~~ | ~~大学英语1级 College English Band 1~~ | 4 | 60 | 60 |  |  |  | 1 |
| ~~00800070~~ | ~~大学英语2级 College English Band 2~~ | 4 | 64 | 64 |  |  |  | 2 |
| ~~00800080~~ | ~~大学英语3级 College English Band 3~~ | 4 | 64 | 64 |  |  |  | 3 |
| ~~00800090~~ | ~~大学英语4级 College English Band 4~~ | 4 | 64 | 64 |  |  |  | 4 |
| 01000010 | 体育(1) Physical Culture (1) | 2 | 30 | 30 |  |  |  | 1 |
| ~~01000020~~ | ~~体育(2) Physical Culture (2)~~ | 2 | 30 | 30 |  |  |  | 2 |
| ~~01000030~~ | ~~体育(3) Physical Culture (3)~~ | 2 | 30 | 30 |  |  |  | 3 |
| 01000040 | 体育(4) Physical Culture (4) | 2 | 30 | 30 |  |  |  | 4 |
| 00600750 | 信息技术基础 Fundamentals of Information Technology | 2.5 | 40 | 40 |  | 20 |  | 1 |
| 专业  基础教育 | ~~00200500~~ | ~~电路理论B（1） Circuit Theory B (1)~~ | 3 | 48 | 48 |  |  |  | 3 |
| 00200510 | 电路理论B（2） Circuit Theory B (2) | 2 | 32 | 32 |  |  |  | 4 |
| 00500350 | 模拟电子技术基础 Fundamentals of Analogue Electronics | 3.5 | 56 | 56 |  |  |  | 4 |
| 00600651 | 数字逻辑与数字系统设计  Digital Logic and Digital System Design | 3 | 48 | 48 |  |  |  | 5 |
| ~~00600260~~ | ~~计算机导论 Introduction to Computer Science~~ | 0.5 | 8 | 8 |  |  |  | 1 |
| ~~00600200~~ | ~~高级语言程序设计（C）~~  ~~Advanced Language Programming(C)~~ | 3.5 | 56 | 30 |  | 26 |  | 1 |
| 00600063 | VC++程序设计 Programming in VC++ | 3.5 | 56 | 48 |  | 8 |  | 3 |
| 00600542 | 软件工程 Software Engineering | 3 | 48 |  |  |  |  | 6 |
| 00600251 | 汇编语言程序设计 Assembly Language Programming | 3 | 48 | 40 |  | 8 |  | 4 |
| ~~00600461~~ | ~~离散数学A(1) Discrete Mathematics A(1)~~ | 2.5 | 40 | 40 |  |  |  | 1 |
| ~~00600471~~ | ~~离散数学A(2) Discrete Mathematics A(2)~~ | 2.5 | 40 | 40 |  |  |  | 2 |
| 00600603 | 数据结构与算法 Algorithm and Data Structure | 4 | 64 | 54 |  | 10 |  | 2 |
| 00600421 | 计算机组成原理 Principle of Computer Organization | 4 | 64 | 48 | 16 |  |  | 5 |
| 00600101 | 操作系统 A Operating Systems A | 4 | 64 | 56 |  | 8 |  | 4、6 |
| 00600091 | 编译技术 Compiling Techniques | 2.5 | 40 | 40 |  |  |  | 5 |
| 00600621 | 数据库原理 Principles of Database | 2.5 | 40 | 40 |  |  |  | 5 |
| 专 业 教 育 | 00600960 | 计算机网络 Computer Network and Security | 3 | 48 | 48 |  |  |  | 6 |
| 00600512 | 嵌入式系统A Embedded System A | 3 | 48 | 40 | 8 |  |  | 7 |
| 00600350 | 计算机体系结构 Computer Architecture | 3 | 48 | 40 | 8 |  |  | 6 |
| 00600051 | UNIX/LINUX体系及编程  UNIX/LINUX Architecture and Programming | 2 | 32 | 32 |  |  |  | 7 |
| 00600291 | 接口与通信技术 Interface and Communicational Techniques | 3 | 48 | 48 |  |  |  | 5 |
| 00600940 | 电力信息化 Electric Power Informationization | 2 | 32 | 32 |  |  |  | 6 |
| 必修课小计  Subtotal of required courses | | | 130 | 2070 | 1826 | 32 | 88 | 104 |  |

计算机科学与技术专业选修课教学进程

Table of Teaching Schedule for Specialty Elective Course

1．专业选修（至少13学分） Electives in Specialty (at least 13 credits)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 组别 | 课程编号 | 课 程 名 称 | 学 分 | 总 学 时 | 课内学时 | 实验学时 | 上机学时 | 课外学时 | 开课  学期 | 课程  模块 | 选课  要求 |
| 1 | 00600071 | Web技术及应用 Web Technology and Analysis | 2 | 32 | 32 |  | 12 |  | 2 | 专  业  选  修  课 | 至少  选修  13  学分 |
| 00600950 | 软件人机界面设计 Human Computer Interaction | 2 | 32 | 32 |  |  |  | 4 |
| 00600361 | 计算机图形学 Computer Graphics | 2 | 32 | 32 |  | 6 |  | 5 |
| 00600521 | 人工智能及应用 Artificial Intelligence and Application | 2 | 32 | 32 |  |  |  | 5 |
| 00600770 | 虚拟现实 Virtual Reality | 2 | 32 | 32 |  | 6 |  | 5 |
| 00600761 | 信息系统分析与设计 Information System Analysis and Design | 2 | 32 | 32 |  | 8 |  | 5 |
| 00600141 | Oracle数据库系统应用  Oracle Database System Application | 2 | 32 | 32 |  | 8 |  | 6 |
| 00600890 | 多媒体技术及应用 Multi-media Technique and Application | 2 | 32 | 32 |  | 10 |  | 6 |
| 00600980 | J2EE开发平台及程序设计  J2EE Development Platform and Programming | 2 | 32 | 32 |  | 10 |  | 6 |
| 00600490 | 面向对象程序设计（JAVA）  Object-Oriented Programming (Java) | 3.5 | 56 | 36 |  | 20 |  | 4 |
| 00500110 | 单片机原理及应用 Principles and Application of Single-chip Microcomputer | 2.5 | 40 | 40 | 16 |  |  | 7 |
| 00600311 | 计算机控制 Computer Control | 2 | 32 | 32 | 8 |  |  | 7 |
| 00600990 | 物联网技术 Technology of Internet of Things | 2 | 32 | 32 |  |  |  | 7 |
| 00601000 | 云计算技术 Technology of cloud computing | 2 | 32 | 32 |  |  |  | 7 |
| 00600661 | 算法设计与分析 Algorithm Design and Analysis | 2 | 32 | 32 |  |  |  | 7 |
| 00600801 | 专业英语阅读(计算机) Computer Specialty English | 2 | 32 | 32 |  |  |  | 6 |
| 2 | 01100010 | 科技文献检索基础  Fundamentals of Scientific document retrieval | 1.5 | 24 | 24 |  | 8 |  | 7 | 公  共  选  修  课 | 至少  选修  10  学分 |
| 00200260 | 电力生产技术概论 Introduction to Power Generation Techonology | 2 | 32 | 32 |  |  |  | 5 |
| 00300310 | 动力工程B Thermal Power Engineering B | 2 | 32 | 32 |  |  |  | 6 |
| 00201220 | 电力系统基础 Fundamentals of Electric Power System | 3 | 48 | 48 |  |  |  | 6 |
|  | 公共选修课（其中就业与创业类课程至少1学分）Common Optional Courses |  |  |  |  |  |  |  |
| 专业选修课小计  Subtotal of specialty elective course | | | 42.5 | 696 | 612 | 24 | 88 |  |  |  |  |

2．校定公共选修（至少10学分） Public Electives (at least 10 credits)

学生应从校定公共选修课程中至少选修10个学分。学生可根据课程开设的学期自行选择，每学期选修不宜超过2门，四年内修满10学分即可。

独立开设的实践教学环节进程

Table of Teaching Schedule for Major Practical Training

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **类**  **别** | **课程编号** | **教 学 环 节 名 称** | **学分** | **周数** | **学时** | **开课学期** |
|
| 必 修 | 01390010 | 入学教育及军训 Enrollment Education and Military Training | 3 | 3 |  | 1 |
| 00690130 | 计算机认识实习 Acquaintanceship Practice of Computer | 1 | 1 |  | 2 |
| 00690100 | 公益劳动 Public Labouring | 1 | 1 |  | 3 |
| 00900440 | 物理实验（1） Experiments of Physics（1） | 2 | 30 |  | 2 |
| 00900450 | 物理实验（2） Experiments of Physics（2） | 2 | 30 |  | 3 |
| 00200950 | 电路实验（1） Circuit Experiment（1） | 0.5 | 10 |  | 3 |
| 00200960 | 电路实验（2） Circuit Experiment（2） | 0.5 | 10 |  | 4 |
| 00500170 | 模拟电子技术基础实验 Experiment for Analogous Electriconic Technique Basic | 2 | 30 |  | 4 |
| 00500180 | 数字电子技术基础实验 Experiments of Digital Logic and Digital System Design | 1 | 20 |  | 5 |
| 00690270 | C语言课程设计 Corurse Project of Advanced Language Programming(C) | 2 | 32 |  | 1 |
| 00690230 | VisualC++课程设计 Corurse Project of Programming in VC++ | 2 | 32 |  | 3 |
| 00690211 | 算法与数据结构课程设计 Corurse Project of Algorithm and Data Structure | 1 | 1 |  | 2 |
| 00690060 | 操作系统课程设计 Corurse Project of Operating Systems | 1 | 1 |  | 6 |
| 00690040 | 编译技术课程设计 Corurse Project of Compiling Techniques | 1 | 1 |  | 5 |
| 00690290 | 计算机网络实验 Experiments of Computer Networks | 1 | 1 |  | 6 |
| 00690190 | 数据库应用课程设计 Corurse Project of Database Principle | 1 | 1 |  | 5 |
| 00690300 | 汇编语言课程设计 Corurse Project of Assemble Language Programming | 1 | 1 |  | 4 |
| 00690201 | 硬件综合实验 Experiments of Hardware | 1 | 1 |  | 5 |
| 00690121 | 接口与通信技术综合实验 Experiments of Interface and Communicational Technique | 1 | 1 |  | 5 |
| 00690220 | UNIX/LINUX编程课程设计 Corurse Project of UNIX/LINUX Programming | 1 | 1 |  | 7 |
| 00690180 | 生产实习 Production Practice | 2 | 2 |  | 8 |
| 00490042 | 毕业实习 Graduation Practice | 2 | 2 |  | 8 |
| 00490020 | 毕业设计 Graduation Thesis | 14 | 14 |  | 8 |
|  | 00690310 | 毕业教育 Graduation Education |  | 1 |  |  |
| 各类实践环节小计  Subtotal of major practical training | | | 44 | 33/194 | 194 |  |