**附表：Attachment**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 类别  Type | 开课单位  School | 课程编码  Code | 课程名称  Name of the course | 学分  Credit | 学时  Hour | 学期  Term | | | |
| 1 | 2 | 3 | 4 |
| 核心（学位）课  Degree subject | 计科CS | S008120001 | 高级软件系统分析与设计  Advanced software systems analysis and design | 2 | 36 | √ |  |  |  |
| 计科CS | S008120002 | 云计算与计算机系统结构  Cloud computing and computer architecture | 2 | 36 | √ |  |  |  |
| 理学 SMP | S008120003 | 计算机科学数学基础  Computer mathematics foundation | 3 | 54 |  | √ |  |  |
| 计科CS | S008120052 | 文献综述与开题报告  Literature review and Research Proposal | 1 | 18 |  |  | √ |  |
| 导师  Supervisor | S008120050 | 计算机技术前沿技术讲座  Lectures of computer frontier technology | 2 | 36 | √ |  |  |  |
| 选修课  Selective subject | 计科CS | S008120022 | 图像分析与理解  Image analysis and understanding | 2 | 36 | √ |  |  |  |
| 计科CS | S008120023 | 人工智能与知识工程  AI and KE | 2 | 36 | √ |  |  |  |
| 计科CS | S008120025 | 最优化理论与算法  Optimization theory and algorithm | 2 | 36 | √ |  |  |  |
| 计科CS | S008120026 | 物联网技术  Technology of internet of things | 2 | 36 | √ |  |  |  |
| 计科CS | S008120027 | 信息安全理论与实践  Information security theory and practice | 2 | 36 | √ |  |  |  |
| 计科CS | S008120028 | 网络安全与防御  Network security and defense | 2 | 36 |  | √ |  |  |
| 计科CS | S008120029 | 网络空间安全技术  Cyberspace security technology | 2 | 36 |  | √ |  |  |
| 计科CS | S008120030 | 嵌入式系统设计与实践  Embedded system design and practice | 2 | 36 |  | √ |  |  |
| 计科CS | S008120031 | 数据可视化  Data visualization | 2 | 36 |  | √ |  |  |
| 计科CS | S008120032 | 大数据技术  Big data technology | 2 | 36 |  | √ |  |  |
| 计科CS | S008120033 | 视觉测量技术与实践  Visual measurement technology and practice | 2 | 36 |  | √ |  |  |
| 计科CS | S008120034 | 移动计算  Mobile computing | 2 | 36 |  | √ |  |  |
| 必修环节  Compulsories | 计科CS | S008120051 | 入学教育  Admission education | 0.5 | 9 | √ |  |  |  |
| 计科CS | S008120053 | 服务实践  Service practice | 0.5 | 9 |  |  |  | √ |
| 计科CS | S008120054 | 学术活动  Academic activity | 1 | 18 |  |  |  |  |