|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 课程设置及指导性教学计划进程安排 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | **1．通识教育必修课** | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 必修42.5学分 | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
| **修课 要求** | | **课程名称 （英文名称）** | | | | **学分** | **课时** | | | | | | | | | | | **学年、学期、学分** | | | | | | | | | | | | | | | | | | | | | | | **考核**  **方式** | | **课程编码** | | | **备注** | |
| **讲课** | | **实验** | | | | **上机** | | | **实践** | | **一** | | | | | **二** | | | | | | **三** | | | | | | **四** | | | | | |
| **秋** | | | **春** | | **秋** | | **春** | | | | **秋** | | **春** | | | | **秋** | | | **春** | | |
| **必修** | | 思想道德修养与法律基础 （Ideological and Moral Cultivate & Fundamentals of Law） | | | | 3 | 32 | |  | | | |  | | | 32 | |  | | | 3 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B121601 | | |  | |
| 中国近现代史纲要 （The Outline of Modern History of China） | | | | 2 | 16 | |  | | | |  | | | 32 | | 2 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B121602 | | |  | |
| 马克思主义基本原理概论 （The Introduction to the basic Theory of Marxism） | | | | 3 | 32 | |  | | | |  | | | 32 | |  | | |  | | 3 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B121603 | | |  | |
| 毛泽东思想和中国特色社会主义理论体系概论 （Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristics） | | | | 6 | 64 | |  | | | |  | | | 64 | |  | | |  | |  | | 6 | | | |  | |  | | | |  | | |  | | | 考试 | | B121604 | | |  | |
| 形势与政策1 （Situation and policy 1） | | | | 0.5 | 8 | |  | | | |  | | |  | |  | | | 0.5 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B121605 | | |  | |
| 形势与政策2 （Situation and policy 2） | | | | 0.5 | 8 | |  | | | |  | | |  | |  | | |  | |  | | 0.5 | | | |  | |  | | | |  | | |  | | | 考试 | | B121606 | | |  | |
| 形势与政策3 （Situation and policy 3） | | | | 0.5 | 8 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | | 0.5 | | | |  | | |  | | | 考试 | | B121607 | | |  | |
| 形势与政策4 （Situation and policy 4） | | | | 0.5 | 8 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | |  | | | | 0.5 | | |  | | | 考试 | | B121608 | | |  | |
| 大学英语 I （College English I） | | | | 4 | 64 | |  | | | |  | | |  | | 4 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B101401 | | |  | |
| 大学英语 Ⅱ （College English II） | | | | 4 | 64 | |  | | | |  | | |  | |  | | | 4 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B101402 | | |  | |
| 大学英语 Ⅲ （College English III） | | | | 4 | 64 | |  | | | |  | | |  | |  | | |  | | 4 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B101403 | | |  | |
| 体育Ⅰ （Physical education I） | | | | 1 | 32 | |  | | | |  | | |  | | 1 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B151001 | | |  | |
| 体育Ⅱ （Physical education Ⅱ） | | | | 1 | 32 | |  | | | |  | | |  | |  | | | 1 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B151002 | | |  | |
| 体育Ⅲ （Physical education Ⅲ） | | | | 1 | 32 | |  | | | |  | | |  | |  | | |  | | 1 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B151003 | | |  | |
| 体育Ⅳ （Physical education Ⅳ） | | | | 1 | 32 | |  | | | |  | | |  | |  | | |  | |  | | 1 | | | |  | |  | | | |  | | |  | | | 考试 | | B151004 | | |  | |
| 信息检索 （Information Retrieval） | | | | 1 | 8 | |  | | | | 16 | | |  | |  | | | 1 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B031003 | | |  | |
| 程序设计基础 （Program Design Foundation） | | | | 3.5 | 32 | |  | | | | 48 | | |  | | 3.5 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B031902 | | |  | |
| 大学生职业生涯规划 （Career Planning for College Students） | | | | 1 | 16 | |  | | | |  | | |  | | 1 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考查 | | B191001 | | |  | |
| 创业教育与就业指导上 （Entrepreneurship education and careers guidance） | | | | 1.5 | 24 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 1.5 | |  | | | |  | | |  | | | 考查 | | B081004 | | |  | |
| 创业教育与就业指导下 （Entrepreneurship education and careers guidance） | | | | 0.5 | 8 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | | 0.5 | | | |  | | |  | | | 考查 | | B191002 | | |  | |
| 科技发展与网络空间安全导论 （Technology Development and introduction to Cyberspace Security） | | | | 2 | 32 | |  | | | |  | | |  | | 2 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B031401 | | |  | |
| 中国传统文化概论 （Outline of Chinese Traditional Culture） | | | | 1 | 16 | |  | | | |  | | |  | |  | | | 1 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B121610 | | |  | |
| **小计** | | | | **42.5** | **632** | | **0** | | | | **64** | | | **160** | | **13.5** | | | **10.5** | | **8** | | **7.5** | | | | **1.5** | | **1** | | | | **0.5** | | | **0** | | |  | |  | | |  | |
|  |  | **2．通识教育选修课** | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 最低要求学分：8 | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 注：应按要求修读通识教育课程中不同知识领域共计不少于8学分的课程,但与本专业相关的课程除外。通识教育选修课程从一年级开始选修。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  |  | **3.学科（专业）基础必修课** | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 最低要求学分：33 | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
| **修课 要求** | | **课程名称** | | | **学分** | | **课时** | | | | | | | | | | | **学年、学期、学分** | | | | | | | | | | | | | | | | | | | | | | | **考核**  **方式** | | **课程编码** | | | **备注** | |
| **讲课** | | **实验** | | | | **上机** | | | **实践** | | **一** | | | | | **二** | | | | | | **三** | | | | | | **四** | | | | | |
| **秋** | | | **春** | | **秋** | | **春** | | | | **秋** | | **春** | | | | **秋** | | | **春** | | |
| **必修** | | 高等数学Ⅰ（上）  （Advanced Mathematics I （part Ⅰ）） | | | 5 | | 80 | |  | | | |  | | |  | | 5 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B033439 | | |  | |
| 高等数学Ⅰ（下）  （Advanced Mathematics I （part Ⅱ）） | | | 5 | | 80 | |  | | | |  | | |  | |  | | | 5 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B033440 | | |  | |
| 线性代数Ⅰ  （Linear AlgebraⅠ） | | | 3 | | 48 | |  | | | |  | | |  | |  | | | 3 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B033441 | | |  | |
| 面向对象程序设计  （Object Oriented Programming） | | | 2.5 | | 32 | |  | | | | 16 | | |  | |  | | | 2.5 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B033904 | | |  | |
| 数据结构与算法分析  （Data Structures and Algorithm Analysis） | | | 4 | | 56 | |  | | | | 16 | | |  | |  | | |  | | 4 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B033456 | | |  | |
| 数据库原理  （Database Concepts） | | | 3 | | 40 | |  | | | | 16 | | |  | |  | | |  | |  | | 3 | | | |  | |  | | | |  | | |  | | | 考试 | | B033442 | | |  | |
| 计算机网络  （Computer Networks） | | | 3.5 | | 48 | |  | | | | 16 | | |  | |  | | |  | |  | | 3.5 | | | |  | |  | | | |  | | |  | | | 考试 | | B033443 | | |  | |
| 计算机组成原理  （Computer Organization and Architecture） | | | 3.5 | | 48 | | 16 | | | |  | | |  | |  | | |  | |  | |  | | | | 3.5 | |  | | | |  | | |  | | | 考试 | | B033444 | | |  | |
| 操作系统  （Operating Systems） | | | 3.5 | | 48 | |  | | | | 16 | | |  | |  | | |  | |  | |  | | | | 3.5 | |  | | | |  | | |  | | | 考试 | | B033445 | | |  | |
| **小计** | | | **33** | | **480** | | **16** | | | | **80** | | | **0** | | **5** | | | **10.5** | | **4** | | **6.5** | | | | **7** | | **0** | | | | **0** | | | **0** | | |  | |  | | |  | |
|  |  | **4.学科（专业）基础选修课** | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 最低要求学分：16.5 | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
| **修课 要求** | | **课程名称** | | | **学分** | | **课时** | | | | | | | | | | | **学年、学期、学分** | | | | | | | | | | | | | | | | | | | | | | | **考核**  **方式** | | **课程编码** | | | **备注** | |
| **讲课** | | | | **实验** | | | **上机** | | **实践** | | **一** | | | | | **二** | | | | | | **三** | | | | | | **四** | | | | | |
| **秋** | | | **春** | | **秋** | | **春** | | | | **秋** | | **春** | | | | **秋** | | | **春** | | |
| **选修** | | 大学物理Ⅲ(电磁学)  （College Physics Ⅲ（Electricity and Magnetism）） | | | 3.5 | | 48 | | | | 16 | | |  | |  | |  | | | 3.5 | |  | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B038446 | | |  | |
| 概率论与数理统计Ⅰ  （Probability and StatisticsⅠ） | | | 3 | | 48 | | | |  | | |  | |  | |  | | |  | | 3 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B038447 | | |  | |
| 电路与模拟电子技术  （Circuit and Analog Electronic Technology） | | | 2.5 | | 32 | | | | 16 | | |  | |  | |  | | |  | | 2.5 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B038448 | | |  | |
| 数字逻辑  （Digital Logic） | | | 2.5 | | 32 | | | | 16 | | |  | |  | |  | | |  | |  | | 2.5 | | | |  | |  | | | |  | | |  | | | 考试 | | B038449 | | |  | |
| 数字信号处理  （Digital Signal Processing） | | | 2.5 | | 32 | | | | 16 | | |  | |  | |  | | |  | |  | |  | | | | 2.5 | |  | | | |  | | |  | | | 考试 | | B038450 | | |  | |
| 编译原理  （Principles for Compiler Construction） | | | 2.5 | | 32 | | | |  | | | 16 | |  | |  | | |  | |  | |  | | | | 2.5 | |  | | | |  | | |  | | | 考试 | | B038451 | | |  | |
| 汇编语言  （Assembly Language） | | | 2.5 | | 32 | | | |  | | | 16 | |  | |  | | |  | |  | | 2.5 | | | |  | |  | | | |  | | |  | | | 考试 | | B038452 | | |  | |
| Java程序设计II  （Jave Programming II） | | | 2.5 | | 32 | | | |  | | | 16 | |  | |  | | |  | | 2.5 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B038453 | | |  | |
| Linux编程基础  （Linux Fundamentals） | | | 2.5 | | 32 | | | |  | | | 16 | |  | |  | | |  | | 2.5 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B038454 | | |  | |
| Python编程  （Python Programming） | | | 2.5 | | 32 | | | |  | | | 16 | |  | |  | | |  | | 2.5 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B038455 | | |  | |
| **小计** | | | **26.5** | | **352** | | | | **64** | | | **80** | | **0** | | **0** | | | **3.5** | | **13** | | **5** | | | | **5** | | **0** | | | | **0** | | | **0** | | |  | |  | | |  | |
|  |  | **5.专业核心课** | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 最低要求学分：9.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| **修课 要求** | | **课程名称** | | | **学分** | | **课时** | | | | | | | | | | | **学年、学期、学分** | | | | | | | | | | | | | | | | | | | | | | | **考核**  **方式** | | **课程编码** | | | **备注** | |
| **讲课** | | | | **实验** | | | **上机** | | **实践** | | **一** | | | | | **二** | | | | | | **三** | | | | | | **四** | | | | | |
| **秋** | | | **春** | | **秋** | | **春** | | | | **秋** | | **春** | | | | **秋** | | | **春** | | |
| **必修** | | 密码学  （Cryptography） | | | 2.5 | | 40 | | | |  | | |  | |  | |  | | |  | |  | | 2.5 | | | |  | |  | | | |  | | |  | | | 考试 | | B034403 | | |  | |
| 网络安全  （Network Security） | | | 2.5 | | 40 | | | |  | | |  | |  | |  | | |  | |  | |  | | | | 2.5 | |  | | | |  | | |  | | | 考试 | | B034404 | | |  | |
| 信息系统安全  （Information System Security） | | | 2.5 | | 40 | | | |  | | |  | |  | |  | | |  | |  | |  | | | |  | | 2.5 | | | |  | | |  | | | 考试 | | B034405 | | |  | |
| 信息内容安全  （Information Content Security） | | | 2 | | 32 | | | |  | | |  | |  | |  | | |  | |  | |  | | | | 2 | |  | | | |  | | |  | | | 考试 | | B034406 | | |  | |
| **小计** | | | **9.5** | | **152** | | | | **0** | | | **0** | | **0** | | **0** | | | **0** | | **0** | | **2.5** | | | | **4.5** | | **2.5** | | | | **0** | | | **0** | | |  | |  | | |  | |
|  |  | **6.专业方向课**  最低要求学分：12 | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
| **修课 要求** | | | **课程名称** | **学分** | | | | **课时** | | | | | | | | | **学年、学期、学分** | | | | | | | | | | | | | | | | | | | | | | | **考核方式** | | | | **课程编码** | | | **备注** |
| **讲课** | | **实验** | | **上机** | | | **实践** | | **一** | | | | | **二** | | | | | | | | **三** | | | | | | **四** | | | |
| **秋** | | **春** | | | **秋** | | | | **春** | | | | **秋** | | | **春** | | | **秋** | | | **春** |
| **方向一（密码技术）** | | | 密码分析  （Cryptanalysis） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | | 2 | | |  | | |  | | |  | 考试 | | | | B035407 | | |  |
| 安全协议分析  （Secure Protocol Analysis） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | | 2 | | |  | | |  | | |  | 考试 | | | | B035408 | | |  |
| 可证明安全  （Provable security） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | |  | | | 2 | | |  | | |  | 考试 | | | | B035409 | | |  |
| 云计算和大数据安全  （The Security of Cloud Computing and Big Data） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | |  | | | 2 | | |  | | |  | 考试 | | | | B035410 | | |  |
| 密码技术方向实践 | 4 | | | |  | |  | |  | | | 128 | |  | |  | | |  | | | |  | | | |  | | | 4 | | |  | | |  | 考查 | | | | B035411 | | |  |
| **小计** | **12** | | | | **128** | | **0** | | **0** | | | **128** | | **0** | | **0** | | | **0** | | | | **0** | | | | **4** | | | **8** | | | **0** | | | **0** |  | | | |  | | |  |
| **方向二（网络安全与数字取证）** | | | 数字取证技术  （Digital Forensics Technology） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | |  | | | 2 | | |  | | |  | 考试 | | | | B035412 | | |  |
| 内存取证原理与实践  （Memory Forensics Principles and Practice） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | |  | | | 2 | | |  | | |  | 考试 | | | | B035413 | | |  |
| 网络对抗原理  （Principles of Network Countermeasure） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | | 2 | | |  | | |  | | |  | 考试 | | | | B035414 | | |  |
| Web安全  （Web Security） | 2 | | | | 32 | |  | |  | | |  | |  | |  | | |  | | | |  | | | | 2 | | |  | | |  | | |  | 考试 | | | | B035415 | | |  |
| 网络安全与数字取证方向实践 | 4 | | | |  | |  | |  | | | 128 | |  | |  | | |  | | | |  | | | |  | | | 4 | | |  | | |  | 考查 | | | | B035416 | | |  |
| **小计** | **12** | | | | **128** | | **0** | | **0** | | | **128** | | **0** | | **0** | | | **0** | | | | **0** | | | | **4** | | | **8** | | | **0** | | | **0** |  | | | |  | | |  |
|  |  | **7.专业任选课** | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 最低要求学分：7.5 | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
| **修课 要求** | | **课程名称** | | | **学分** | | **课时** | | | | | | | | | | | **学年、学期、学分** | | | | | | | | | | | | | | | | | | | | | | | **考核**  **方式** | | **课程编码** | | | **备注** | |
| **讲课** | | **实验** | | | | **上机** | | | **实践** | | **一** | | | | | **二** | | | | | | **三** | | | | | | **四** | | | | | |
| **秋** | | | **春** | | **秋** | | **春** | | | | **秋** | | **春** | | | | **秋** | | | **春** | | |
| **选修** | | 网络空间安全数学基础  （Essential Mathematics for Cyberspace Security） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | | 2 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B036402 | | |  | |
| 离散数学  （Discrete Mathematics） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | | 2 | |  | | | |  | |  | | | |  | | |  | | | 考试 | | B036417 | | |  | |
| 保密技术与管理  （Secrecy Technology and Management） | | | 2.5 | | 32 | |  | | | | 16 | | |  | |  | | |  | |  | |  | | | | 2.5 | |  | | | |  | | |  | | |  | | B036418 | | |  | |
| 恶意代码检测  （Malware Analysis） | | | 2.5 | | 32 | |  | | | | 16 | | |  | |  | | |  | |  | |  | | | | 2.5 | |  | | | |  | | |  | | | 考试 | | B036419 | | |  | |
| 区块链技术  （Blockchain Technology） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | | 2 | | | |  | | |  | | | 考试 | | B036420 | | |  | |
| 通信原理  （Principles of Communications） | | | 3 | | 48 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 3 | |  | | | |  | | |  | | |  | | B036421 | | |  | |
| 学科前沿技术I | | | 1 | | 16 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | | 1 | | | |  | | |  | | | 考查 | | B036918 | | |  | |
| 学科前沿技术II | | | 1 | | 16 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | |  | | | | 1 | | |  | | | 考查 | | B036961 | | |  | |
| 信息隐藏  （Information Hiding） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 2 | |  | | | |  | | |  | | | 考试 | | B036423 | | |  | |
| 在线社交网络分析（Online Social Network Analysis） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 2 | |  | | | |  | | |  | | | 考试 | | B036424 | | |  | |
| 数字语音编码技术（Digital Speech Coding Technologies） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 2 | |  | | | |  | | |  | | | 考试 | | B036425 | | |  | |
| 多媒体编程技术及应用（Technology and Application of Multimedia Programming） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 2 | |  | | | |  | | |  | | | 考试 | | B036426 | | |  | |
| 多媒体通信技术（Multimedia Communication） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | | 2 | | | |  | | |  | | | 考试 | | B036427 | | |  | |
| 多媒体信息安全（Multimedia Information Security） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | |  | | 2 | | | |  | | |  | | | 考试 | | B036428 | | |  | |
| 人工智能导论（人工智能导论） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 2 | |  | | | |  | | |  | | | 考试 | | B036429 | | |  | |
| 物联网工程（Internet of Things Engineering） | | | 2 | | 32 | |  | | | |  | | |  | |  | | |  | |  | |  | | | | 2 | |  | | | |  | | |  | | | 考试 | | B036430 | | |  | |
| **小计** | | | **34** | | **528** | | **0** | | | | **32** | | | **0** | | **0** | | | **0** | | **4** | | **2** | | | | **20** | | **7** | | | | **1** | | | **0** | | |  | |  | | |  | |
|  |  | **8.集中性实践环节** | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
|  |  | 最低要求学分：31 | | | | | | |  | | | |  | | |  | |  | |  | | | |  | | |  |  | | | |  | |  | | |  | | | |  |  |  | |  |  | |
| **修课 要求** | | **实践环节名称** | | | | | **学分** | | | | | | **周数** | | | | | **学年、学期、学分** | | | | | | | | | | | | | | | | | | | | | | | **考核**  **方式** | | **课程编码** | | | **备注** | |
| **一** | | | | | **二** | | | | | | **三** | | | | | | **四** | | | | | |
| **秋** | | | **春** | | **秋** | | **春** | | | | **秋** | | **春** | | | | **秋** | | | **春** | | |
| **必修** | | 军事理论与技能  （Military Theory and Skills） | | | | | 2 | | | | | | 2 | | | | | 2 | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考查 | | B197001 | | |  | |
| 公益劳动 | | | | |  | | | | | | （1） | | | | |  | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考查 | |  | | |  | |
| 安全教育 | | | | |  | | | | | | （2） | | | | |  | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考查 | |  | | |  | |
| 社会实践 | | | | |  | | | | | | （2） | | | | |  | | |  | |  | |  | | | |  | |  | | | |  | | |  | | | 考查 | |  | | |  | |
| 面向对象程序设计课程设计  （Object oriented programming course design） | | | | | 1 | | | | | | 1 | | | | |  | | | 1 | |  | |  | | | |  | |  | | | |  | | |  | | | 考查 | | B037431 | | |  | |
| 数据结构课程设计  （Data Structures course design） | | | | | 1 | | | | | | 1 | | | | |  | | |  | | 1 | |  | | | |  | |  | | | |  | | |  | | | 考查 | | B037432 | | |  | |
| 数据库原理课程设计  （Database Concepts course design） | | | | | 1 | | | | | | 1 | | | | |  | | |  | |  | | 1 | | | |  | |  | | | |  | | |  | | | 考查 | | B037433 | | |  | |
| 网络安全综合实践  （Network Security） | | | | | 1 | | | | | | 1 | | | | |  | | |  | |  | |  | | | | 1 | |  | | | |  | | |  | | | 考查 | | B037434 | | |  | |
| 信息系统安全综合实践  （Information System Security Comprehensive Practice） | | | | | 2 | | | | | | 2 | | | | |  | | |  | |  | |  | | | |  | | 2 | | | |  | | |  | | | 考查 | | B037435 | | |  | |
| 信息内容安全综合实践  （Information Content Security Comprehensive Practice） | | | | | 1 | | | | | | 1 | | | | |  | | |  | |  | |  | | | | 1 | |  | | | |  | | |  | | | 考查 | | B037436 | | |  | |
| 生产实习（Production Practice） | | | | | 12 | | | | | | 16 | | | | |  | | |  | |  | |  | | | |  | |  | | | | 12 | | |  | | | 考查 | | B037437 | | |  | |
| 毕业设计（论文）（Graduation Design （Thesis）） | | | | | 10 | | | | | | 18 | | | | |  | | |  | |  | |  | | | |  | |  | | | |  | | | 10 | | | 考查 | | B037438 | | |  | |
| **小计** | | | | | **31** | | | | | | **43** | | | | | **2** | | | **1** | | **1** | | **1** | | | | **2** | | **2** | | | | **12** | | | **10** | | |  | |  | | |  | |