**通信工程专业(非师范)本科教学课程计划表**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **课程**  **类别** | | **课程编号** | **课程名称** | **考核方式** | **总学分** | | **总学时** | **理**  **论**  **学**  **分** | **讲**  **课**  **学**  **时** | | **实践学分** | **实践学时** | **各学期周学时分配** | | | | | | | | | **开课单位** | |
| **1** | **2** | | **3** | **4** | **5** | **6** | **7** | **8** |
| 通识类课程 | 必修课 | G01000014 | 思想道德修养与法律基础 | 考试 | | 3 | 48 | 2.5 | | 40 | 0.5 | 8 | 4 | |  |  |  |  |  |  |  | | 马克思院 |
| G01000012 | 中国近现代史纲要 | 考试 | | 3 | 48 | 2.5 | | 40 | 0.5 | 8 |  | | 4 |  |  |  |  |  |  | | 马克思院 |
| G01000013 | 马克思主义基本原理 | 考试 | | 3 | 48 | 2.5 | | 40 | 0.5 | 8 |  | |  | 4 |  |  |  |  |  | | 马克思院 |
| G01000016 | 毛泽东思想和中国特色社会主义理论体系概论 | 考试 | | 5 | 80 | 4.5 | | 68 | 0.5 | 12 |  | |  |  | 4 |  |  |  |  | | 马克思院 |
| G09000001 | 大学体育-1 | 考查 | | 1 | 28 | 1 | | 28 |  |  | 2 | |  |  |  |  |  |  |  | | 体育学院 |
| G09000002 | 大学体育-2 | 考查 | | 1 | 34 | 1 | | 34 |  |  |  | | 2 |  |  |  |  |  |  | | 体育学院 |
| G09000003 | 大学体育-3 | 考查 | | 1 | 34 | 1 | | 34 |  |  |  | |  | 2 |  |  |  |  |  | | 体育学院 |
| G09000004 | 大学体育-4 | 考查 | | 1 | 34 | 1 | | 34 |  |  |  | |  |  | 2 |  |  |  |  | | 体育学院 |
| G30000001 | 军事理论 | 考查 | | 2 | 32 | 1.5 | | 24 | 0.5 | 8 | 2 | |  |  |  |  |  |  |  | | 马克思院 |
| G01000001-8 | 形势与政策（1-8） | 考查 | | 2 | 32 | 2 | | 32 |  |  | √ | | √ | √ | √ | √ | √ | √ | √ | | 马克思院 |
| G25000001 | 大学生职业发展与就业指导-1 | 考查 | | 2 | 32 | 1.5 | | 24 | 0.5 | 8 |  | | 2 |  |  |  |  |  |  | | 马克思院 |
| G25000002 | 大学生职业发展与就业指导-2 |  | |  |  |  |  | 2 |  |  | | 马克思院 |
| G03000009 | 大学英语-1 | 考试 | | 3 | 56 | 3 | | 56 |  |  | 4 | |  |  |  |  |  |  |  | | 外语学院 |
| G03000002 | 大学英语-2 | 考试 | | 4 | 68 | 4 | | 68 |  |  |  | | 4 |  |  |  |  |  |  | | 外语学院 |
| 选修课 | 通识类限选 | 海洋类、职场类及高级类英语 | 考查 | | 2 | 34 | 2 | | 34 |  |  |  | |  | 2 |  |  |  |  |  | | 外语学院 |
| 考查 | | 2 | 34 | 2 | | 34 |  |  |  | |  |  | 2 |  |  |  |  | | 外语学院 |
|  | 通识类选修课程 | 考查 | | 8 | 通识类选修课包括经典传统文化传承、生态文明教育与生态环境保护、美育教育、海洋知识、心理健康等人文社会科学类、自然科学类、艺术类课程，学生至少应修满8学分，其中美育类课程为必选2学分 | | | | | | | | | | | | | | | | 二级学院 |
|  | **小计** |  |  | | **43** | **642** | **32** | | **590** | **3** | **52** | **12** | | **12** | **8** | **8** |  | **2** |  |  | |  |
| 专业类必修 | 学科基础课 | G05000001 | 高等数学A-1 | 考试 | | 4 | 84 | 4 | | 84 |  |  | 6 | |  |  |  |  |  |  |  | | 理学院 |
| G05000002 | 高等数学A-2 | 考试 | | 6 | 102 | 6 | | 102 |  |  |  | | 6 |  |  |  |  |  |  | | 理学院 |
| BK0240003 | 计算机导论 | 考查 | | 3 | 56 | 2 | | 28 | 1 | 28 | 4 | |  |  |  |  |  |  |  | | 海信学院 |
| BK0240004 | C语言程序设计 | 考试 | | 4 | 68 | 2 | | 34 | 2 | 34 |  | | 4 |  |  |  |  |  |  | | 海信学院 |

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| **课程**  **类别** | | **课程编号** | **课程名称** | **考核方式** | **总学分** | | **总学时** | **理**  **论**  **学**  **分** | **讲**  **课**  **学**  **时** | | **实践学分** | **实践学时** | **各学期周学时分配** | | | | | | | | | **开课单位** | |
| **1** | **2** | | **3** | **4** | **5** | **6** | **7** | **8** |
| 专业类必修 | 学科基础课 | G05000006 | 线性代数 | 考试 | | 2 | 34 | 2 | | 34 |  |  |  | |  | 2 |  |  |  |  |  | | 理学院 |
| G05000007 | 概率论与数理统计 | 考查 | | 3 | 51 | 3 | | 51 |  |  |  | |  | 3 |  |  |  |  |  | | 理学院 |
| G06000008 | 大学物理A-1 | 考试 | | 3 | 51 | 3 | | 51 |  |  |  | | 3 |  |  |  |  |  |  | | 理学院 |
| G06000009 | 大学物理A-2 | 考查 | | 3 | 51 | 3 | | 51 |  |  |  | |  | 3 |  |  |  |  |  | | 理学院 |
| G06000017 | 大学物理实验A-1 | 考查 | | 1 | 24 |  | |  | 1 | 24 |  | | 1 |  |  |  |  |  |  | | 理学院 |
| G06000018 | 大学物理实验A-2 | 考查 | | 1 | 24 |  | |  | 1 | 24 |  | |  | 1 |  |  |  |  |  | | 理学院 |
| BK0240012 | 电路原理 | 考试 | | 3 | 56 | 2.5 | | 42 | 0.5 | 14 | 4 | |  |  |  |  |  |  |  | | 海信学院 |
| BK0240013 | 模拟电子技术 | 考试 | | 3 | 51 | 3 | | 51 |  |  |  | | 3 |  |  |  |  |  |  | | 海信学院 |
| BK0240014 | 模拟电子技术实验 | 考查 | | 1 | 18 |  | |  | 1 | 18 |  | | 1 |  |  |  |  |  |  | | 海信学院 |
| BK0240015 | 数字电子技术 | 考试 | | 3 | 51 | 3 | | 51 |  |  |  | |  | 3 |  |  |  |  |  | | 海信学院 |
| BK0240016 | 数字电子技术实验 | 考查 | | 1 | 18 |  | |  | 1 | 18 |  | |  | 1 |  |  |  |  |  | | 海信学院 |
| BK0240017 | 信号与系统 | 考试 | | 4 | 68 | 3 | | 51 | 1 | 17 |  | |  |  | 4 |  |  |  |  | | 海信学院 |
| BK0240018 | 数字信号处理 | 考试 | | 4 | 68 | 3 | | 51 | 1 | 17 |  | |  |  |  | 4 |  |  |  | | 海信学院 |
| 专业类必修 |  | **小计** |  |  | | **49** | **875** | **39.5** | | **678** | **9.5** | **194** | **14** | | **18** | **13** | **4** | **4** | **0** | **0** | **0** | |  |
| 专业核心课程 | BK0240046 | 电磁场与电磁波 | 考查 | | 3 | 52 | 3 | | 52 | 0 | 0 |  | |  |  | 3 |  |  |  |  | |  |
| BK0240020 | 通信电子线路 | 考试 | | 3 | 51 | 2 | | 34 | 1 | 17 |  | |  |  | 3 |  |  |  |  | |  |
| BK0240021 | 通信原理 | 考试 | | 4 | 68 | 3.5 | | 58 | 0.5 | 10 |  | |  |  |  | 4 |  |  |  | |  |
| BK0240022 | 计算机通信网络 | 考试 | | 3 | 52 | 2.5 | | 42 | 0.5 | 10 |  | |  |  |  | 3 |  |  |  | |  |
|  | **小计** |  |  | | **13** | **223** | **11** | | **176** | **2** | **37** | **0** | | **0** | **0** | **6** | **7** | **0** | **0** | **0** | |  |
| 实践类课程 | 集中性实践环节 |  | 入学教育（含国防与安全教育） |  | |  | 0.5周 |  | |  |  |  | √ | |  |  |  |  |  |  |  | | 学工部 |
| G14000001 | 军事训练 |  | | 2 | 2周 |  | |  |  |  | √ | |  |  |  |  |  |  |  | | 武装部 |
| G22000001 | 暑假社会实践-1 |  | | 1 | 1周 |  | |  |  |  |  | | √ |  |  |  |  |  |  | | 海信团委 |
| G22000002 | 暑假社会实践-2 |  | | 1 | 1周 |  | |  |  |  |  | |  |  | √ |  |  |  |  | | 海信团委 |
| G22000003 | 暑假社会实践-3 |  | | 1 | 1周 |  | |  |  |  |  | |  |  |  |  | √ |  |  | | 海信团委 |

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| **课程**  **类别** | | **课程编号** | **课程名称** | **考核方式** | **总学分** | | **总学时** | **理**  **论**  **学**  **分** | **讲**  **课**  **学**  **时** | | **实践学分** | **实践学时** | **各学期周学时分配** | | | | | | | | | **开课单位** | |
| **1** | **2** | | **3** | **4** | **5** | **6** | **7** | **8** |
| 实践类课程 | 集中性实践环节 | G22000004 | 社会调查 |  | | 1 | 1周 |  | |  |  |  |  | |  | √ |  |  |  |  |  | | 海信学院 |
| BSJ024001 | 电子技术工艺实习 | 考查 | | 1 | 1周 |  | |  |  |  |  | |  | √ |  |  |  |  |  | | 海信学院 |
| BSJ024002 | 电子线路课程设计 | 考查 | | 1 | 1周 |  | |  |  |  |  | |  | √ |  |  |  |  |  | | 海信学院 |
| BSJ024003 | 通信系统综合课程设计 | 考查 | | 1 | 1周 |  | |  |  |  |  | |  |  |  | √ |  |  |  | | 海信学院 |
| BSJ024004 | 专业见习与实训 | 考查 | | 2 | 2周 |  | |  |  |  |  | |  |  |  |  |  | √ |  | | 海信学院 |
| BSJ024005 | 毕业实习 | 考查 | | 6 | 12周 |  | |  |  |  |  | |  |  |  |  |  | √ |  | | 海信学院 |
| BSJ024006 | 毕业论文（设计） | 考查 | | 10 | 20周 |  | |  |  |  |  | |  |  |  |  |  | √ | √ | | 海信学院 |
|  | 毕业教育 |  | |  | 1周 |  | |  |  |  |  | |  |  |  |  |  |  | √ | | 学工部 |
| **小计** |  |  | | **27** | **44.5周** |  | |  |  |  |  | |  |  |  |  |  |  |  | |  |
| 专业类选修课 | 专长课 | BK0240023 | 现代交换技术 | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  | 3 |  |  |  | | 海信学院 |
| BK0240024 | 移动通信系统 | 考试 | | 3 | 52 | 2.5 | | 42 | 0.5 | 10 |  | |  |  |  |  | 3 |  |  | | 海信学院 |
| BK0240025 | 卫星通信 | 考试 | | 3 | 51 | 2 | | 34 | 1 | 17 |  | |  |  |  |  | 3 |  |  | | 海信学院 |
| BK0240030 | 光纤通信技术 | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  |  | 3 |  |  | | 海信学院 |
| **小计** |  |  | | **10** | **171** | **7.5** | | **124** | **2.5** | **47** | **0** | | **0** | **0** | **0** | **3** | **9** | **0** | **0** | |  |
| 专业类选修课 | 专业任意选修课程 | BK0240027 | 导航信息处理与GNSS | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  |  |  | 4 |  | | 海信学院 |
| BK0240044 | 微机原理 | 考查 | | 3 | 52 | 2.5 | | 42 | 0.5 | 10 |  | |  |  |  | 4 |  |  |  | | 海信学院 |
| BK0240001 | 电子工艺 | 考查 | | 2 | 42 | 2 | | 28 | 1 | 14 | 3 | |  |  |  |  |  |  |  | | 海信学院 |
| BK0240031 | 信息论与编码 | 考查 | | 2.5 | 44 | 2 | | 34 | 0.5 | 10 |  | |  |  |  | 3 |  |  |  | | 海信学院 |
| BK0240032 | 水声技术概论 | 考查 | | 2 | 34 | 2 | | 34 |  |  |  | |  |  |  | 2 |  |  |  | | 海信学院 |
| BK0240034 | 多媒体通信技术 | 考查 | | 3 | 51 | 2 | | 34 | 1 | 17 |  | |  |  |  |  | 3 |  |  | | 海信学院 |
| BK0240035 | 高级程序设计 | 考查 | | 3 | 51 | 2 | | 34 | 1 | 17 |  | |  |  |  | 3 |  |  |  | | 海信学院 |
| BK0240036 | 遥感基础 | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  |  | 3 |  |  | | 海信学院 |
| BK0240037 | 单片机原理及应用 | 考试 | | 3 | 51 | 2 | | 34 | 1 | 17 |  | |  |  |  |  | 3 |  |  | | 海信学院 |
| BK0240038 | 专业英语 | 考查 | | 2 | 34 | 2 | | 34 | 0 | 0 |  | |  |  |  |  |  | 2 |  | | 海信学院 |

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| **课程**  **类别** | | **课程编号** | **课程名称** | **考核方式** | **总学分** | | **总学时** | **理**  **论**  **学**  **分** | **讲**  **课**  **学**  **时** | | **实践学分** | **实践学时** | **各学期周学时分配** | | | | | | | | | **开课单位** | |
| **1** | **2** | | **3** | **4** | **5** | **6** | **7** | **8** |
| 专业类选修课 | 专业任意选修课程 | BK0240050 | Matlab基础 | 考查 | | 2 | 34 | 1 | | 17 | 1 | 17 |  | |  |  |  |  | 2 |  |  | | 海信学院 |
| BK0240040 | LTE系统技术 | 考查 | | 2 | 34 | 1 | | 17 | 1 | 17 |  | |  |  |  |  | 2 |  |  | | 海信学院 |
| BK0240041 | 通信信息技术前沿讲座 | 考查 | | 2 | 34 | 2 | | 34 |  |  |  | |  |  |  |  |  | 2 |  | | 海信学院 |
| BK0240045 | 数据结构 | 考查 | | 2.5 | 44 | 2 | | 34 | 0.5 | 10 |  | |  |  | 3 |  |  |  |  | | 海信学院 |
| BK0240047 | CPLD/FPGA系统设计 | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  |  | 2 |  |  | | 海信学院 |
| BK0240048 | 工程制图 | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  |  | 2 |  |  | | 海信学院 |
| BK0240049 | 通信网 | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  |  | 2 |  |  | | 海信学院 |
| BK0240026 | 无线传感器网络 | 考查 | | 2 | 34 | 1.5 | | 24 | 0.5 | 10 |  | |  |  |  |  | 2 |  |  | | 海信学院 |
| BK0240042 | TD-LTE路测与优化 | 考查 | | 2 | 34 | 1 | | 17 | 1 | 17 |  | |  |  |  |  | 2 |  |  | | 海信学院 |
| BK0240043 | 文献信息检索 | 考查 | | 0.5 | 8 | 0.5 | | 8 |  |  |  | |  | 1 |  |  |  |  |  | | 海信学院 |
| **小计** |  |  | | 15 | 276 | 10.5 | | 200 | 4.5 | 76 | 2 | | 0 | 1 | 3 | 9 | 9 | 4 | 0 | |  |
|  | **合计** |  |  | | **157** | **2187** | **100.5** | | **1771** | **21.5** | **406** | **28** | | **30** | **22** | **21** | **23** | **20** | **4** | **0** | |  |
| 创新创业素质拓展类课程 | GCX000001 | 创新创业课程-1 | 2 | | | 创新创业课必需６学分，研究方法、学科前沿课程由各专业开设，各2学分，共４学分，创业基础由各学院或学校提供开设２学分。 | | | | | | | | | | | | | | | | |
| GCX000002 | 创新创业课程-2 | 2 | | |
| GCX000003 | 创新创业课程-3 | 2 | | |
| GCX000004 | 各类竞赛与创新创业活动-1 | 2 | | | 竞赛与创新创业类活动必修至少4学分。创新创业课程及活动学分模块中超过4学分以上的，可用于替代通识类选修课程、创新创业课程与学术讲座的学分。学分认定办法依《海南热带海洋学院创新学分管理办法》（试行） | | | | | | | | | | | | | | | | |
| GCX000005 | 各类竞赛与创新创业活动-2 | 2 | | |
| GCX000006 | 各类竞赛与创新创业活动-3 | 2 | | |
| GCX000007 | 各类竞赛与创新创业活动-4 | 2 | | |
| GSZ000003 | 学术报告讲座 | 2 | | | 学生应修满学校或专业的各类学术讲座2学分。 | | | | | | | | | | | | | | | | |
| 备注：1.《形势与政策》按平均每学期16周，每周1学时计算，本科四年期间学习，共计2个学分，折合理论课时36学时；2.专长课，要求修满10 学分；3.专业任意选修课，要求修满15学分。 | | | | | | | | | | | | | | | | | | | | | | | |
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| **课程学分与学时分配表** | | | | | | | | | | | | | | | | | | |
| **课程类别** | | | **总学分比例** | | | **理论教学** | | | | | | **实践教学** | | | | | **总学分** | **课程门数** |
| **学时** | | **学分** | | **比例** | | **学时** | | **学分** | | **比例** |
| 通识类必修课 | | | 20.9% | | | 526 | | 28 | | 16.57% | | 52 | | 3 | | 1.78% | 31 | 12 |
| 学科基础课 | | | 28.4% | | | 677 | | 39.5 | | 23.37% | | 178 | | 9.5 | | 5.62% | 49 | 17 |
| 专业核心课 | | | 7.8% | | | 176 | | 11 | | 6.51% | | 37 | | 2 | | 1.18% | 13 | 4 |
| 实践教学环节 | | | 16.1% | | |  | |  | |  | | 44.5周 | | 27 | | 15.98% | 27 | 13 |
| **小计** | | |  | | | 1379 | | 78.5 | |  | | 267 | | 41.5 | |  | 124 | 48 |
| 通识类选修课 | | | 4.8% | | | 192 | | 12 | | 7.10% | | 0 | | 0 | | 0 | 12 | 6 |
| 专长课 | | | 6.0% | | | 124 | | 7.5 | | 4.44% | | 47 | | 2.5 | | 1.47% | 10 | 4 |
| 专业任选课 | | | 9.0% | | | 200 | | 10.5 | | 6.21% | | 76 | | 4.5 | | 2.66% | 15 | 7 |
| 创新创业素质类课 | | | 7.2% | | | 136 | | 8 | | 4.73% | | 136 | | 4 | | 2.37% | 12 | 8 |
| **合计** | | | 100.0% | | | 2031 | | 116.5 | | 67.54% | | 526 | | 52.5 | | 32.46% | 169 | 71 |
| 学时数(学时) | | | | | | | | 学分数(分) | | | | | | | | | | |
| 总数 |  | | | | | | | 总数 |  | | | | | | | | | |
| 必修课 | 选修课 | | 课内教学 | 实验教学 | | | 必修课 | | 选修课 | | 集中性实践教学环节 | | | 课内教学 | 实验教学 | 创新创业类 |
| 实际学时 | | 折算学时 |
| 2557 | 1646 | 911 | | 2031 | 390 | | 526 | 169 | 124 | | 45 | | 27 | | | 106.5 | 21.5 | 14 |
| 执笔人： 杨许铂 | | | | 校对人：朱剑锋 | | | | | | | | | | | 审订人：康小平 | | | |