(一)电气自动化技术专业

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **表4 电气自动化技术专业教学进程表** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 课程性质 | | | | | | 课程名称 | | | 总学时 | | | 学分 | | 学时分配 | | | | | | 考核方式 | | | 各学期周学时分配 | | | | | | | | | | | | | | | |
| 理论教学 | | | 课内实践 | | | 一 | | | 二 | 三 | | 四 | | 五 | | | 六 | | | | |
| 18周 | | | 18周 | 18周 | | 19周 | | 19周 | | | 19周 | | | | |
| 公共基础课程 | | 必修 | | | | 入学教育 | | | 28 | | | 1 | | 28 | | | 0 | | |  | | | 28\*1（校历第2周） | | |  |  | |  | |  | | |  | | | | |
| 毛泽东思想和中国特色社会主义理论体系概论（上）★ | | | 44 | | | 3 | | 44 | | |  | | | \* | | |  | | | 4\*11 |  | |  | |  | | |  | | | | |
| 毛泽东思想和中国特色社会主义理论体系概论（下）★ | | | 20 | | | 1 | |  | | | 20 | | | \* | | |  | | |  | 0\*2/4\*5 | |  | |  | | |  | | | | |
| 思想道德与法治 | | | 48 | | | 3 | | 32 | | | 16 | | |  | | | 0\*2/4\*12 | | |  |  | |  | |  | | |  | | | | |
| 形势与政策1 | | | 8 | | | 0.5 | | 8 | | |  | | |  | | | 8 | | |  |  | |  | |  | | |  | | | | |
| 形势与政策2 | | | 8 | | | 0.5 | | 8 | | |  | | |  | | |  | | | 8 |  | |  | |  | | |  | | | | |
| 劳动专题教育1 | | | 8 | | | 0.5 | | 4 | | | 4 | | |  | | | 8 | | |  |  | |  | |  | | |  | | | | |
| 劳动专题教育2 | | | 8 | | | 0.5 | | 4 | | | 4 | | |  | | |  | | | 8 |  | |  | |  | | |  | | | | |
| 英语1★ | | | 60 | | | 4 | | 60 | | |  | | | \* | | | 0\*2/4\*15 | | |  |  | |  | |  | | |  | | | | |
| 英语2★ | | | 60 | | | 4 | | 60 | | |  | | | \* | | |  | | | 4\*15 |  | |  | |  | | |  | | | | |
| 英语3★ | | | 60 | | | 4 | | 60 | | |  | | | \* | | |  | | |  | 0\*2/4\*15 | |  | |  | | |  | | | | |
| 高等数学 ★ | | | 80 | | | 5 | | 80 | | |  | | | \* | | | 0\*2/6\*15 | | |  |  | |  | |  | | |  | | | | |
| 体育1 | | | 30 | | | 2 | | 30 | | |  | | |  | | | 0\*2/2\*15 | | |  |  | |  | |  | | |  | | | | |
| 体育2 | | | 30 | | | 2 | | 30 | | |  | | |  | | |  | | | 2\*15 |  | |  | |  | | |  | | | | |
|  |  | | | | 体育3 | | | | | 30 | 2 | | 30 | | |  | |  | | |  | | |  | | | 0\*2/2\*15 | |  | | |  | | |  | | |
| 计算机应用基础 | | | | | 48 | 3 | | 24 | | | 24 | |  | | | 0\*2/4\*12 | | |  | | |  | |  | | |  | | |  | | |
| 军事理论 | | | | | 28 | 1 | | 28 | | | 0 | |  | | |  | | |  | | | 1周（第1周） | |  | | |  | | |  | | |
| 军事技能 | | | | | 28 | 1 | | 0 | | | 28 | |  | | |  | | |  | | | 1周（第2周） | |  | | |  | | |  | | |
| 综合素质拓展（含安全教育） | | | | | 84 | 3 | |  | | | 84 | |  | | |  | | |  | | |  | |  | | |  | | | 3周 | | |
| 小计 | | | | | 710 | 41 | | 530 | | | 180 | |  | | |  | | |  | | |  | |  | | |  | | |  | | |
| 专业基础课程 | 必修 | | | | 机械制图及工艺 | | | | | 40 | 2.5 | | 40 | | |  | |  | | | 0\*2/4\*10 | | |  | | |  | |  | | |  | | |  | | |
| 工程数学 | | | | | 60 | 4 | | 60 | | |  | |  | | |  | | | 4\*15 | | |  | |  | | |  | | |  | | |
| C语言程序设计 | | | | | 56 | 3.5 | | 34 | | | 22 | |  | | |  | | | 4\*14 | | |  | |  | | |  | | |  | | |
| 电路分析1★ | | | | | 48 | 3 | | 42 | | | 6 | | \* | | | 0\*6/4\*12 | | |  | | |  | |  | | |  | | |  | | |
| 电路分析2★ | | | | | 40 | 2.5 | | 34 | | | 6 | | \* | | |  | | | 4\*10 | | |  | |  | | |  | | |  | | |
| 模拟电子技术★ | | | | | 60 | 4 | | 48 | | | 12 | | \* | | |  | | | 0\*1/4\*15 | | |  | |  | | |  | | |  | | |
| 数字电子技术★ | | | | | 60 | 4 | | 48 | | | 12 | | \* | | |  | | |  | | | 0\*2/4\*15 | |  | | |  | | |  | | |
| 小计 | | | | | 364 | 23.5 | | 306 | | | 58 | |  | | |  | | |  | | |  | |  | | |  | | |  | | |
| 专业核心课程 | 必修 | | | | 电机与拖动★ | | | | | 56 | 3.5 | | 50 | | | 6 | | \* | | |  | | | 0\*2/4\*14 | | |  | |  | | |  | | |  | | |
| 自动控制理论★ | | | | | 48 | 3 | | 40 | | | 8 | | \* | | |  | | |  | | | 0\*2/4\*12 | |  | | |  | | |  | | |
| 电力电子技术★ | | | | | 54 | 3.5 | | 42 | | | 12 | | \* | | |  | | |  | | |  | | 3\*18 | | |  | | |  | | |
| 检测技术 | | | | | 40 | 2.5 | | 32 | | | 8 | |  | | |  | | |  | | | 0\*2/4\*10 | |  | | |  | | |  | | |
| 电气控制与PLC应用技术★ | | | | | 60 | 4 | | 40 | | | 20 | | \* | | |  | | |  | | |  | | 4\*15 | | |  | | |  | | |
| 供电技术★ | | | | | 48 | 3 | | 42 | | | 6 | | \* | | |  | | |  | | |  | | 3\*16 | | |  | | |  | | |
| EDA技术与应用 | | | | | 32 | 2 | | 16 | | | 16 | |  | | |  | | |  | | |  | | 4\*8 | | |  | | |  | | |
| 电子CAD | | | | | 32 | 2 | | 16 | | | 16 | |  | | |  | | |  | | |  | | 0\*8/4\*8 | | |  | | |  | | |
| VB程序设计 | | | | | 48 | 3 | | 24 | | | 24 | |  | | |  | | |  | | |  | | 4\*12 | | |  | | |  | | |
|  | | |  | 小计 | | | | 418 | | | | 26.5 | 302 | | 116 | | | |  | | |  | | |  | | |  | |  | | |  | | |  |
| 专业拓展课程 | | | 选修 | 单片微机原理与应用 | | | 10选6 | 60 | | | | 4 | 40 | | 20 | | | | \* | | |  | | |  | | | 0\*3/4\*15 | |  | | |  | | |  |
| 运动控制 | | | 54 | | | | 3.5 | 46 | | 8 | | | |  | | |  | | |  | | |  | |  | | | 6\*9 | | |  |
| 楼宇自动化技术 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 微机控制技术 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 机器人技术 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 过程控制 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 数据库应用技术 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 航空电气系统 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 现场总线及控制系统 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| autoCAD | | | 32 | | | |  | 16 | | 16 | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 计算机通讯与网络 | | | 32 | | | | 2 | 32 | |  | | | |  | | |  | | |  | | |  | |  | | | 4\*8 | | |  |
| 小计 | | | 242 | | | | | 15.5 | 214 | | 28 | | | |  | | |  | | |  | | |  | |  | | |  | | |  |
| 专业技能训练课程 | | | 必修 | 电工电子实训 | | | 28 | | | | | 1 |  | | 28 | | | |  | | |  | | | 1周 | | |  | |  | | |  | | |  |
| 金工实训 | | | 28 | | | | | 1 |  | | 28 | | | |  | | |  | | | 0\*5/4\*7 | | |  | |  | | |  | | |  |
| 模拟电子技术综合实训 | | | 28 | | | | | 1 |  | | 28 | | | |  | | |  | | | 1周 | | |  | |  | | |  | | |  |
| 数字电子技术综合实训 | | | 28 | | | | | 1 |  | | 28 | | | |  | | |  | | |  | | | 1周 | |  | | |  | | |  |
| 电气控制与PLC应用技术综合实训 | | | 28 | | | | | 1 |  | | 28 | | | |  | | |  | | |  | | |  | | 1周 | | |  | | |  |
| “2+1”专业实习 | | | 280 | | | | | 10 |  | | 280 | | | |  | | |  | | |  | | |  | |  | | | 10周 | | |  |
| 毕业环节 | | | 448 | | | | | 16 |  | | 448 | | | |  | | |  | | |  | | |  | |  | | |  | | | 16周 |
| 小计 | | | 868 | | | | | 31 |  | | 868 | | | |  | | |  | | |  | | |  | |  | | |  | | |  |
| 合计 | | | | | | | 2602 | | | | | 137.5 | 1352 | | 1250 | | | |  | | | 4-6/24 7-12/28 13-14/24 15-18/14 | | | 1-3/28 4-7/32 8-11/26 12-15/22 16-17/12 18/28 | | | 3-5/20 6-7/28 8-10/24 11-14/20 15-17/12 18/28 | | 1/28 2-9/23 10/19 11-13/23 14/19 15/15 16/11 17/7 18/4 19/28 | | | 1-8/24 9/6 | | |  |

注：1. ★ 所示为专业核心课程  
 2. \* 为考试课程，其余为考查课程

(二)机电一体化技术专业

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **表4 机电一体化专业教学进程表** | | | | | | | | | | | | | | |
| **课程性质** | | **课程名称** | | **总学时** | **学分** | **学时分配** | | **考核方式** | **各学期周学时分配** | | | | | |
| **理论 教学** | **课内 实践** | **一** | **二** | **三** | **四** | **五** | **六** |
| **18周** | **18周** | **18周** | **19周** | **19周** | **19周** |
| 公 共 基 础 课 程 | 必修 | 入学教育 | | 28 | 1 | 28 | 0 |  | 28\*1（校历第2周） |  |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论（上） | | 44 | 3 | 44 | 0 | \* |  | 4\*11 |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论（下） | | 20 | 1 | 0 | 20 | \* |  |  | 0\*2/4\*5 |  |  |  |
| 形势与政策1 | | 8 | 0.5 | 8 | 0 |  | 8 |  |  |  |  |  |
| 形势与政策2 | | 8 | 0.5 | 8 | 0 |  |  | 8 |  |  |  |  |
| 劳动专题教育1 | | 8 | 0.5 | 4 | 4 |  | 8 |  |  |  |  |  |
| 劳动专题教育2 | | 8 | 0.5 | 4 | 4 |  |  | 8 |  |  |  |  |
| 思想道德与法治 | | 48 | 3 | 32 | 16 |  | 0\*2/4\*12 |  |  |  |  |  |
| 英语(1)★ | | 60 | 4 | 60 | 0 | \* | 0\*2/4\*15 |  |  |  |  |  |
| 英语(2)★ | | 60 | 4 | 60 | 0 | \* |  | 4\*15 |  |  |  |  |
| 英语(3)★ | | 60 | 4 | 60 | 0 | \* |  |  | 0\*2/4\*15 |  |  |  |
| 高等数学 ★ | | 60 | 4 | 60 | 0 | \* | 0\*2/4\*15 |  |  |  |  |  |
| 体育（1） | | 30 | 2 | 30 | 0 |  | 0\*2/2\*15 |  |  |  |  |  |
| 体育（2） | | 30 | 2 | 30 | 0 |  |  | 2\*15 |  |  |  |  |
| 体育（3） | | 30 | 2 | 30 | 0 |  |  |  | 0\*2/2\*15 |  |  |  |
| 计算机应用基础 | | 48 | 3 | 24 | 24 |  | 0\*2/4\*12 |  |  |  |  |  |
| 军事理论 | | 28 | 1 | 28 | 0 |  |  |  | 1周（第1周） |  |  |  |
| 军事技能 | | 28 | 1 | 0 | 28 |  |  |  | 1周（第2周） |  |  |  |
| 综合素质拓展(含安全教育) | | 84 | 3 | 0 | 84 |  |  |  |  |  |  | **3周** |
| 小计 | | 690 | 40 | 510 | 180 |  |  |  |  |  |  |  |
| 专业基础课程 | 必修 | 工程制图及计算机绘图★ | | 72 | 4.5 | 50 | 22 | \* | 0\*2/4\*9/6\*6 |  |  |  |  |  |
| 工程数学 | | 60 | 4 | 60 | 0 |  |  | 4\*15 |  |  |  |  |
| 工程力学★ | | 60 | 4 | 54 | 6 | \* |  | 4\*15 |  |  |  |  |
| 电工技术★ | | 56 | 3.5 | 46 | 10 | \* | 0\*4/4\*14 |  |  |  |  |  |
| 电子技术 | | 48 | 3 | 40 | 8 |  |  | 4\*12 |  |  |  |  |
| 金属材料与制造基础 | | 40 | 2.5 | 36 | 4 |  |  |  | 0\*2/4\*10 |  |  |  |
| 机械设计基础★ | | 64 | 4 | 58 | 6 | \* |  |  | 0\*2/4\*11/5\*4 |  |  |  |
| 互换性与技术测量 | | 32 | 2 | 28 | 4 |  |  |  | 0\*8/4\*8 |  |  |  |
| 小计 | | 432 | 27.5 | 372 | 60 |  |  |  |  |  |  |  |
| 专业核心课程 |  | 机械制造工艺★ | | 48 | 3 | 44 | 4 | \* |  |  | 0\*2/4\*12 |  |  |  |
| 测试技术 | | 32 | 2 | 28 | 4 |  |  |  |  | 4\*8 |  |  |
| 液压与气压传动★ | | 48 | 3 | 42 | 6 | \* |  |  |  | 4\*12 |  |  |
| 电气控制与PLC应用技术★ | | 56 | 3.5 | 36 | 20 | \* |  |  |  | 0\*1/4\*14 |  |  |
| 工业机器人技术 | | 32 | 2 | 28 | 4 |  |  |  |  | 0\*8/4\*8 |  |  |
| 数控技术及应用★ | | 64 | 4 | 54 | 10 | \* |  |  |  | 4\*16 |  |  |
| 小计 | | 280 | 17.5 | 232 | 48 |  |  |  |  |  |  |  |
| 专 业 拓 展 课 程 | 选修 | 特种加工 | 9选6 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 微机原理及应用 | 40 | 2.5 | 32 | 8 |  |  |  | 0\*2/4\*10 |  |  |  |
| 计算机三维造型设计 | 40 | 2.5 | 14 | 26 |  |  | 4\*10 |  |  |  |  |
| 机器人基本编程与操作 | 30 | 2 | 20 | 10 |  |  |  |  |  | 5\*6 |  |
| 机电设备安装与维修 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 工程经济学 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 生产现场管理 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 机电设备故障诊断 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 文献检索及专业英语 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 计算机通讯与网络 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 电力电子技术 | 40 | 2.5 | 34 | 6 |  |  |  |  | 4\*10 |  |  |
| Arduino软件应用 | 30 | 2 | 30 | 0 |  |  |  |  |  | 5\*6 |  |
| 小计 | | 200 | 13 | 156 | 44 |  |  |  |  |  |  |  |
| 专 业 技 能 训 练 课 程 | 必修 | 金工实训 | | 56 | 2 | 0 | 56 |  | 0\*4/4\*14 |  |  |  |  |  |
| 电工电子综合实验 | | 28 | 1 | 0 | 28 |  |  | 1周 |  |  |  |  |
| 制图测绘综合实验 | | 28 | 1 | 0 | 28 |  |  | 1周 |  |  |  |  |
| 电工电子技术课程综合实验 | | 28 | 1 | 0 | 28 |  |  | 1周 |  |  |  |  |
| 微机原理及应用综合实验 | | 28 | 1 | 0 | 28 |  |  |  | 1周 |  |  |  |
| 液压与气压传动综合实验 | | 56 | 2 | 0 | 56 |  |  |  |  | 2周 |  |  |
| 电气控制与PLC应用技术综合实验 | | 28 | 1 | 0 | 28 |  |  |  |  | 1周 |  |  |
| 机电技能综合实验 | | 84 | 3 | 0 | 84 |  |  |  |  |  | 3周 |  |
| “2+1”专业实习 | | 280 | 10 | 0 | 280 |  |  |  |  |  | 10周 |  |
| 毕业环节 | | 448 | 16 | 0 | 448 |  |  |  |  |  |  | 16周 |
| 小计 | | 1064 | 38 | 0 | 1064 |  |  |  |  |  |  |  |
| 合计 | | | | 2666 | 136 | 1270 | 1396 |  | 3-4/26   5-11/30 11-14/32  15-18/26 | 1-10/26 11/22 12/20 13-15/12 | 3-5/28 6-7/24 8-12/28 13/20 14/21 15-17/15 | 1/16 2-8/20 9-10/24 11-16/16 | 1-10/16 |  |
| 注：1. ★ 所示为专业核心课程 | | | | | | | |  |  |  |  |  |  |  |
| 2. \* 为考试课程，其余为考查课程 | | | | | | | |  |  |  |  |  |  |  |

(三)计算机应用技术专业

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **表4 计算机应用技术专业教学进程表** | | | | | | | | | | | | | | |
| **课程性质** | | **课程名称** | | **总学时** | **学分** | **学时分配** | | **考核方式** | **各学期周学时分配** | | | | | |
| 理论 教学 | 课内 实践 |  | **一** | **二** | **三** | **四** | **五** | **六** |
|  |  |  | **18周** | **18周** | **18周** | **19周** | **19周** | **19周** |
| 公共基础课程 | 必修 | 入学教育 | | 28 | 1 | 28 |  |  | 28\*1（校历第2周） |  |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论（上）★ | | 44 | 3 | 44 |  | \* |  | 4\*11/ |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论（下）★ | | 20 | 1 |  | 20 | \* |  |  | 0\*2/4\*5 |  |  |  |
| 形势与政策1 | | 8 | 0.5 | 8 |  |  | 8 |  |  |  |  |  |
| 形势与政策2 | | 8 | 0.5 | 8 |  |  |  | 8 |  |  |  |  |
| 劳动专题教育1 | | 8 | 0.5 | 4 | 4 |  | 8 |  |  |  |  |  |
| 劳动专题教育2 | | 8 | 0.5 | 4 | 4 |  |  | 8 |  |  |  |  |
| 思想道德与法治 | | 48 | 3 | 32 | 16 |  | 0\*2/4\*12 |  |  |  |  |  |
| 英语1★ | | 60 | 4 | 60 |  | \* | 0\*2/4\*15 |  |  |  |  |  |
| 英语2★ | | 60 | 4 | 60 |  | \* |  | 4\*15 |  |  |  |  |
| 英语3★ | | 60 | 4 | 60 |  | \* |  |  | 0\*2/4\*15 |  |  |  |
| 高等数学★ | | 60 | 4 | 60 |  | \* | 0\*2/4\*15 |  |  |  |  |  |
| 体育1 | | 30 | 2 | 30 |  |  | 0\*2/2\*15 |  |  |  |  |  |
| 体育2 | | 30 | 2 | 30 |  |  |  | 2\*15 |  |  |  |  |
| 体育3 | | 30 | 2 | 30 |  |  |  |  | 0\*2/2\*15 |  |  |  |
| 计算机应用基础 | | 48 | 3 | 24 | 24 | \* | 0\*2/4\*12 |  |  |  |  |  |
| 军事理论 | | 28 | 1 | 28 |  |  |  |  | 1周（第1周） |  |  |  |
| 军事技能 | | 28 | 1 | 0 | 28 |  |  |  | 1周（第2周） |  |  |  |
| 综合素质拓展（含安全教育） | | 84 | 3 |  | 84 |  |  |  |  |  |  | 3周 |
| 小计 | | 690 | 40 | 510 | 180 |  |  |  |  |  |  |  |
| 专业基础课程 | 必修 | 三维造型基础★ | | 56 | 3.5 | 40 | 16 |  |  | 8\*7 |  |  |  |  |
|
| 程序设计基础（C#）★ | | 60 | 4 | 44 | 16 | \* | 0\*2/4\*15 |  |  |  |  |  |
| 造型设计基础（构成） | | 56 | 3 | 40 | 16 |  |  | 4\*14 |  |  |  |  |
| 计算机平面设计 | | 48 | 3 | 32 | 16 |  | 0\*5/4\*12 |  |  |  |  |  |
| 数据库原理及应用★ | | 60 | 4 | 44 | 16 |  |  | 4\*15 |  |  |  |  |
| 视觉场景设计与制作（Unity3d）★ | | 56 | 3.5 | 40 | 16 |  |  |  | 0\*10/8\*7 |  |  |  |
| 小计 | | 336 | 21 | 240 | 96 |  |  |  |  |  |  |  |
| 专  业  核  心  课  程 | 必修 | 用户界面设计 | | 48 | 3 | 32 | 16 |  |  |  | 0\*2/4\*14 |  |  |  |
|
| 数码影视技术★ | | 48 | 3 | 32 | 16 |  |  |  | 0\*2/4\*14 |  |  |  |
| HTML5应用与开发 | | 48 | 3 | 32 | 16 |  |  |  |  | 4\*12 |  |  |
| 影视动画制作 | | 56 | 3.5 | 40 | 16 |  |  |  |  | 4\*14 |  |  |
| 虚拟现实交互设计 | | 56 | 3.5 | 40 | 16 |  |  |  |  | 8\*7 |  |  |
| 网站规划与互动广告 | | 48 | 3 | 32 | 16 |  |  |  |  | 0\*6/4\*12 |  |  |
| 小计 | | 304 | 19 | 208 | 96 |  |  |  |  |  |  |  |
| 专业拓展课程 | 选修 | 网页设计 | 8选6 | 48 | 3 | 32 | 16 |  |  |  |  | 0\*5/4\*12 |  |  |
| 多媒体技术与应用 | 48 | 3 | 32 | 16 |  |  |  | 0\*2/4\*12 |  |  |  |
| 视觉传达 | 48 | 3 | 32 | 16 |  |  |  |  |  | 8\*6 |  |
| 48 | 32 | 16 |  |  |  |  |  | 8\*6 |
| Javascript网页开发 | 48 | 32 | 16 |  |  |  |  |  | 8\*6 |  |
| ASP.NET应用与开发 | 48 | 3 | 32 | 16 |  |  |  |  |  | 8\*6 |  |
| 电商平面设计 | 48 | 32 | 16 |  |  |  |  |  | 8\*6 |  |
| 展示设计 | 48 | 3 | 32 | 16 |  |  |  |  |  | 0\*2/8\*6 |  |
| 摄影摄像 | 48 | 32 | 16 |  |  |  |  |  | 0\*2/8\*6 |  |
| 小计 | | 288 | 18 | 192 | 96 |  |  |  |  |  |  |  |
| 专  业  技  能  训  练  课  程 | 必修 | 三维造型基础综合实践 | | 28 | 1 |  | 28 |  |  | 1周 |  |  |  |  |
|
| 数据库原理及应用综合实践 | | 28 | 1 |  | 28 |  |  | 1周 |  |  |  |  |
| 程序设计基础综合实践C# | | 28 | 1 |  | 28 |  | 1周 |  |  |  |  |  |
| 视觉场景设计综合实践 | | 28 | 1 |  | 28 |  |  |  | 1周 |  |  |  |
| 影视动画制作综合实践 | | 28 | 1 |  | 28 |  |  |  |  | 1周 |  |  |
| 认识实习 | | 28 | 1 |  | 28 |  |  | 1周 |  |  |  |  |
| “2+1”专业实习 | | 308 | 11 |  | 308 |  |  |  |  |  | 11周 |  |
| 毕业环节 | | 448 | 16 |  | 448 |  |  |  |  |  |  | 16周 |
| 小计 | | 924 | 33 |  | 924 |  |  |  |  |  |  |  |
| 合计 | | | | 2542 | 131 | 1150 | 1392 |  |  |  |  |  |  |  |
| 注：1. ★ 所示为专业核心课程  2. \* 为考试课程，其余为考查课程。 | | | | | | | | | | | | | | |
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(四)艺术设计专业

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **表4 艺术设计专业教学进程表** | | | | | | | | | | | | | | |
| **课程性质** | | **课程名称** | | **总学时** | **学分** | **学时分配** | | **考核方式** | **各学期周学时分配** | | | | | |
| **理论 教学** | **课内 实践** |  | **一** | **二** | **三** | **四** | **五** | **六** |
|  |  |  | **18周** | **18周** | **18周** | **19周** | **19周** | **19周** |
| 公共基础课程 | 必修 | 入学教育 | | 28 | 1 | 28 |  |  | 28\*1（校历第2周） |  |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论（上）★ | | 44 | 3 | 44 |  | \* |  | 4\*11/ |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论（下）★ | | 20 | 1 |  | 20 | \* |  |  | 0\*2/4\*5 |  |  |  |
| 形势与政策1 | | 8 | 0.5 | 8 |  |  | 8 |  |  |  |  |  |
| 形势与政策2 | | 8 | 0.5 | 8 |  |  |  | 8 |  |  |  |  |
| 劳动专题教育1 | | 8 | 0.5 | 4 | 4 |  | 8 |  |  |  |  |  |
| 劳动专题教育2 | | 8 | 0.5 | 4 | 4 |  |  | 8 |  |  |  |  |
| 思想道德与法治 | | 48 | 3 | 32 | 16 |  | 0\*2/4\*12 |  |  |  |  |  |
| 英语1★ | | 60 | 4 | 60 |  | \* | 0\*2/4\*15 |  |  |  |  |  |
| 英语2★ | | 60 | 4 | 60 |  | \* |  | 4\*15 |  |  |  |  |
| 英语3★ | | 60 | 4 | 60 |  | \* |  |  | 0\*2/4\*15 |  |  |  |
| 体育1 | | 30 | 2 | 30 |  |  | 0\*2/2\*15 |  |  |  |  |  |
| 体育2 | | 30 | 2 | 30 |  |  |  | 2\*15 |  |  |  |  |
| 体育3 | | 30 | 2 | 30 |  |  |  |  | 0\*2/2\*15 |  |  |  |
| 计算机应用基础 | | 48 | 3 | 24 | 24 | \* | 0\*2/4\*12 |  |  |  |  |  |
| 军事理论 | | 28 | 1 | 28 |  |  |  |  | 1周（第1周） |  |  |  |
| 军事技能 | | 28 | 1 | 0 | 28 |  |  |  | 1周（第2周） |  |  |  |
| 综合素质拓展（含安全教育） | | 84 | 3 |  | 84 |  |  |  |  |  |  | 3周 |
| 小计 | | 630 | 36 | 450 | 180 |  |  |  |  |  |  |  |
| 专业基础课程 | 必修 | 设计素描★ | | 48 | 3 | 20 | 28 |  | 0\*2/16\*3 |  |  |  |  |  |
| 速写 | | 32 | 2 | 10 | 22 |  |  | 16\*2 |  |  |  |  |
| 色彩 | | 32 | 2 | 10 | 22 |  | 0\*5/16\*2 |  |  |  |  |  |
| 造型设计基础 | | 64 | 4 | 24 | 40 |  | 0\*10/16\*4 |  |  |  |  |  |
| 计算机辅助设计（Photoshop） | | 32 | 2 | 10 | 22 |  | 0\*14/8\*4 |  |  |  |  |  |
| 装饰图案 | | 48 | 3 | 24 | 24 |  | 0\*7/16\*3 |  |  |  |  |  |
| 计算机辅助设计（Illustrator） | | 32 | 2 | 10 | 22 |  | 0\*14/8\*4 |  |  |  |  |  |
| 文字设计★ | | 48 | 3 | 20 | 28 |  |  | 0\*4/16\*3 |  |  |  |  |
| 编排设计★ | | 48 | 3 | 24 | 24 |  |  |  | 0\*5/16\*3 |  |  |  |
| 计算机辅助设计（Indesign） | | 32 | 2 | 16 | 16 |  |  | 0\*10/4\*8 |  |  |  |  |
| 摄影 | | 32 | 2 | 10 | 22 |  |  | 0\*2/16\*2 |  |  |  |  |
| 小计 | | 448 | 28 | 178 | 270 |  |  |  |  |  |  |  |
| 专业核心课程 |  | 书籍设计 | | 64 | 4 | 32 | 32 |  |  |  | 0\*8/16\*4 |  |  |  |
| 包装设计★ | | 80 | 5 | 56 | 24 |  |  |  |  | 16\*5 |  |  |
| 标志及VI设计★ | | 64 | 4 | 44 | 20 |  |  |  | 0\*12/16\*4 |  |  |  |
| 海报设计 | | 48 | 3 | 20 | 28 |  |  |  |  | 0\*5/16\*3 |  |  |
| 广告设计★ | | 64 | 4 | 32 | 32 |  |  |  |  | 0\*12/16\*4 |  |  |
| 广告策划与创意 | | 32 | 2 | 32 |  |  |  |  |  | 0\*8/16\*2 |  |  |
| UI设计 | | 32 | 2 | 8 | 24 |  |  |  |  | 4\*8 |  |  |
| 视觉传达史论与欣赏 | | 32 | 2 | 32 |  |  |  |  | 0\*7/4\*8 |  |  |  |
| 印刷工艺 | | 32 | 2 | 20 | 12 |  |  |  | 0\*16/16\*2 |  |  |  |
| 文创产品设计 | | 40 | 2.5 | 20 | 20 |  |  |  |  |  | 0\*3/16\*2/8\*1 |  |
| 展示设计 | | 32 | 2 | 16 | 16 |  |  |  |  | 0\*10/16\*2 |  |  |
| 小计 | | 520 | 32.5 | 312 | 208 |  |  |  |  |  |  |  |
| 专业拓展课程 | 选修 | 商业插图 | 2选1 | 48 | 3 | 32 | 16 |  |  |  | 0\*2/16\*3 |  |  |  |
| 插画 |
| 影视广告 | 2选1 | 48 | 3 | 32 | 16 |  |  |  |  | 0\*16/16\*3 |  |  |
| 影视动画 |
| 人物速写 | 2选1 | 48 | 3 | 32 | 16 |  |  |  |  |  | 16\*3 |  |
| 数字绘画 |
| 图形设计 | 2选1 | 64 | 4 | 40 | 24 |  |  | 0\*10/16\*4 |  |  |  |  |
| 图形创意 |
| 影像剪辑与特效 | 2选1 | 48 | 3 | 16 | 32 |  |  | 0\*14/16\*3 |  |  |  |  |
| 网页设计 |
| 小计 | | 256 | 16 | 152 | 104 |  |  |  |  |  |  |  |
| 专业技能训练课程 | 必修 | 文化调研与创作 | | 84 | 3 |  | 84 |  |  | 3周 |  |  |  |  |
| “2+1”专业实习 | | 364 | 13 |  | 364 |  |  |  |  |  | 13周 |  |
| 毕业环节 | | 448 | 16 |  | 448 |  |  |  |  |  |  | 16周 |
| 小计 | | 896 | 32 |  | 896 |  |  |  |  |  |  |  |
| 合计 | | | | 2750 | 144.5 | 1092 | 1658 |  |  |  |  |  |  |  |
| 注：1. ★ 所示为专业核心课程  2. \* 为考试课程，其余为考查课程。 | | | | | | | | | | | | | | |
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（五）中高职贯通应用化工技

术专业人才培养方案

表5 教学进程表

说明：阴影部分为考试课程，其余为考查课程。

| 课程分类 | | 课程名称 | | 学时 | 学分 | 各学期周数、学时分配 | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 18周 | 18周 | 18周  17+1 | 18周17+1 | 19周  15+4 | 19周  15+4 | 19周  17+2 | 19周  15+4 | 19周  0+19 | 19周  3+16 |
| 必修课程 | 公共基础课 | 中国特色社会主义 | | 36 | 2 | 2\*18 |  |  |  |  |  |  |  |  |  |
| 心理健康与职业生涯 | | 36 | 2 |  | 2\*18 |  |  |  |  |  |  |  |  |
| 哲学与人生 | | 36 | 2 |  |  | 2\*16/4\*1 |  |  |  |  |  |  |  |
| 职业道德与法治 | | 36 | 2 |  |  |  | 2\*16/4\*1 |  |  |  |  |  |  |
| 思想道德与法治 | | 48 | 3 |  |  |  |  | 2\*6/4\*9 |  |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论 | | 64 | 4 |  |  |  |  |  | 3\*14/2\*15 | 2\*10 |  |  |  |
| 形势与政策 | | 16 | 1 |  |  |  |  |  |  | 2\*4 | 2\*4 |  |  |
| 职业道德与就业创业指导 | | 16 | 1 |  |  |  |  |  |  |  | 2\*8 |  |  |
| 体育与健康 | | 328 | 19 | 3\*18 | 3\*18 | 2\*17 | 3\*18 | 2\*15 | 2\*15 | 2\*18 | 2\*18 |  |  |
| 语文 | | 212 | 12 | 4\*18 | 4\*18 | 4\*17 |  |  |  |  |  |  |  |
| 英语 | | 566 | 34 | 6\*18 | 6\*18 | 4\*17 | 6\*17 | 6\*15 | 6\*15 |  |  |  |  |
| 数学 | | 282 | 16 | 6\*18 | 4\*18 | 6\*17 |  |  |  |  |  |  |  |
| 高等数学 | | 64 | 5 |  |  |  |  |  |  | 4\*13/6\*2 |  |  |  |
| 大学英语 | | 52 | 3 |  |  |  |  |  |  | 0\*2/4\*13 |  |  |  |
| 物理 | | 72 | 4 | 4\*18 |  |  |  |  |  |  |  |  |  |
| 艺术 | | 36 | 2 |  | 2\*18 |  |  |  |  |  |  |  |  |
| 历史 | | 72 | 4 |  |  |  |  | 2\*12/4\*3 | 2\*12/4\*3 |  |  |  |  |
| 信息技术 | | 72 | 4 |  |  | 4\*16/8\*1 |  |  |  |  |  |  |  |
| 劳动专题教育 | | 16 | 1 |  |  |  |  |  | 2\*8 |  |  |  |  |
| 军训 | | (56) | 2 | 2w |  |  |  |  |  |  |  |  |  |
| 爱国主义教育 | | 28 | 1 |  |  | 1w |  |  |  |  |  |  |  |
| 社会实践 | | 28 | 1 |  | 1w |  |  |  |  |  |  |  |  |
| 综合素质拓展 | | 84 | 3 |  |  |  |  |  |  |  |  |  | 3w |
| 合 计 | | 2200 | 128 | 25 | 21 | 22 | 11 | 14 | 15 | 14 | 6 | 0 | 0 |
| 专业基础课 | 普通化学 | | 64 | 4 | 4\*16 |  |  |  |  |  |  |  |  |  |
| 无机化学 | | 48 | 3 |  | 3\*16 |  |  |  |  |  |  |  |  |
| 有机化学 | | 48 | 3 |  |  | 3\*16 |  |  |  |  |  |  |  |
| 化学实验技术 | | 64 | 4 |  | 2\*16 | 2\*16 |  |  |  |  |  |  |  |
| 化学工艺基础 | | 80 | 5 |  |  | 5\*16 |  |  |  |  |  |  |  |
| 化工设备及管道 | | 75 | 4.5 |  |  |  |  |  | 5\*15 |  |  |  |  |
| 化工仪表 | | 64 | 4 |  |  |  | 4\*16 |  |  |  |  |  |  |
| HSEQ与清洁生产 | | 48 | 3 |  |  |  | 3\*16 |  |  |  |  |  |  |
| 化工质量检测 | | 64 | 4 |  |  | 2\*16 | 2\*16 |  |  |  |  |  |  |
| 化工过程控制 | | 105 | 7 |  |  |  |  | 4\*15 | 3\*15 |  |  |  |  |
| 基础化工生产工艺1 | | 48 | 3 |  |  |  |  |  |  | 0\*2/4\*12 |  |  |  |
| 基础化工生产工艺2 | | 48 | 3 |  |  |  |  |  |  |  | 4\*12 |  |  |
| 化工生产安全技术 | | 30 | 2 |  |  |  |  |  |  |  | 4\*7/2\*1 |  |  |
| 化工单元操作 | | 252 | 16 |  |  |  | 6\*17 | 6\*15 |  | 0\*2/4\*5/8\*2/4\*6 |  |  |  |
| 合 计 | | 1038 | 65.5 | 4 | 5 | 12 | 15 | 10 | 8 | 9 | 8 | 0 | 0 |
| 限定选修课 | | 化工制图与CAD | | 60 | 4 |  |  |  |  |  | 4\*15 |  |  |  |  |
| 专业英语 | | 30 | 2 |  |  |  |  |  |  | 0\*2/2\*15 |  |  |  |
| 基础化学 | | 56 | 3.5 |  |  |  |  |  |  | 0\*2/4\*14 |  |  |  |
| 化工产品检测 | | 48 | 3 |  |  |  |  |  |  | 0\*2/4\*9/6\*2 |  |  |  |
| 精细化工生产工艺 | | 48 | 3 |  |  |  |  |  |  |  | 4\*12 |  |  |
| 工业催化技术 | | 30 | 2 |  |  |  |  |  |  |  | 2\*13/4\*1 |  |  |
| 仪器分析 | | 48 | 3 |  |  |  |  |  |  |  | 4\*9/6\*2 |  |  |
| 绿色化工 | | 30 | 2 |  |  |  |  |  |  |  | 2\*13/4\*1 |  |  |
| 制药技术 | | 30 | 2 |  |  |  |  |  |  |  | 2\*9/4\*3 |  |  |
| 环境检测技术 | | 30 | 2 |  |  |  |  |  |  |  | 4\*6/6\*1 |  |  |
| 合计 | | 410 | 26.5 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 12 | 0 | 0 |
| 任意选修课程 | | 现代高新技术概论 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 市场营销 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 公共关系学 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 企业管理 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 口才与演讲 | | 32 | 2 |  |  |  |  |  | 2\*16 |  |  |  |  |
| 证券与期货 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 交际与礼仪 | | 32 | 2 |  | 2\*16 |  |  |  |  |  |  |  |  |
| 文献检索 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 化学与生活 | | 32 | 2 |  |  |  |  | 2\*14/4\*1 |  |  |  |  |  |
| 公共安全 | | 32 | 2 | 2\*16 |  |  |  |  |  |  |  |  |  |
| 企业班组管理 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 精馏操作技术 | | 32 | 2 |  |  |  |  |  |  |  |  |  |  |
| 合计 | | 128 | 8 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| 独立设置的实践性教学环节 | | 认识实习 | | 28 | 1.5 |  |  | 1w |  |  |  |  |  |  |  |
| 信息技术基础培训与考证 | | 28 | 1.5 |  |  |  | 1w |  |  |  |  |  |  |
| 化工产品工业仿真综合实践与考证辅导 | | 56 | 3.5 |  |  |  |  |  |  | 2w |  |  |  |
| 化工技能综合实践与考证辅导 | | 224 | 14 |  |  |  |  | 4w |  |  | 4w |  |  |
| 化工装置运行 | | 112 | 7 |  |  |  |  |  | 4w |  |  |  |  |
| 顶岗实习 | 专业综合实践（企业） | 532 | 33 |  |  |  |  |  |  |  |  | 19w |  |
| 毕业综合实践 | 448 | 28 |  |  |  |  |  |  |  |  |  | 16w |
| 合计 | | 1428 | 88.5 | 0 | 0 | 1w | 1w | 4w | 4w | 2w | 4w | 19w | 16w |
| 总学时（学分）数 | | | | 5204 | 316.5 |  |  |  |  |  |  |  |  |  |  |

（六）中高职贯通机电一体化技术

(工业机器人技术与应用)

专业人才培养方案

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 课程分类 | 序号 | 课程名称 | | 学时 | 学分 | 各学期周数、学时分配 | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 18 周  17+1 | 18 周  15+3 | 18 周  16+2 | 18 周  16+2 | 18 周  14+4 | 18 周  14+4 | 18 周  14+4 | 18 周  12+6 | 19 周  8+11 | 19 周  0+19 |
| 公共必修课程 | 1 | 中国特色社会主义 | | 36 | 2 | 2 |  |  |  |  |  |  |  |  |  |
| 2 | 心理健康与职业生涯 | | 36 | 2 |  | 2 |  |  |  |  |  |  |  |  |
| 3 | 哲学与人生 | | 36 | 2 |  |  | 2 |  |  |  |  |  |  |  |
| 4 | 职业道德与法治 | | 36 | 2 |  |  |  | 2 |  |  |  |  |  |  |
| 5 | 语文 | | 192 | 12 | 4 | 4 | 4 |  |  |  |  |  |  |  |
| 6 | 数学/高等数学 | | 336 | 21 | 4 | 4 | 4 | 2 | 2 | 2 | 4 |  |  |  |
| 7 | 英语/大学英语 | | 336 | 21 | 4 | 4 | 4 | 2 | 2 | 2 | 4 |  |  |  |
| 8 | 信息技术 | | 156 | 10 |  |  | 4 | 4 | 2 |  |  |  |  |  |
| 9 | 体育与健康 | | 236 | 15 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |
| 10 | 历史 | | 72 | 4 | 2 | 2 |  |  |  |  |  |  |  |  |
| 11 | 艺术 | | 36 | 2 |  | 2 |  |  |  |  |  |  |  |  |
| 12 | 物理（16 周） | | 64 | 4 | 4 |  |  |  |  |  |  |  |  |  |
| 13 | 化学 | | 32 | 2 |  |  | 2 |  |  |  |  |  |  |  |
| 14 | 思想道德修养与法律基础（12 周） | | 48 | 3 |  |  |  |  |  |  | 4 |  |  |  |
| 15 | 毛泽东思想与中国特色社会主义理论  体系概论 | | 64 | 4 |  |  |  |  |  |  |  | 4 | 2 |  |
| 16 | 形势与政策 | | 16 | 1 |  |  |  |  |  |  | 第 7、8 学期各 8 课时 | |  |  |
| 17 | 军事课 | | 16 | 1 | 军训期间安排 16 课时 | | |  |  |  |  |  |  |  |
| 18 | 心理健康教育 | | 32 | 2 | 第 1～第 8 学期，每学期安排 4 课时 | | | | | | | |  |  |
| 19 | 劳动专题教育 | | 16 | 1 | 第 1～第 4 学期， 每学期安排 4 课时 | | | |  |  |  |  |  |  |
| **小 计** | | **35%** | **1796** | **111** | **22** | **20** | **22** | **12** | **8** | **6** | **14** | **6** | **2** | **0** |
| 专业必修课程 | 1 | 机械制图与计算机绘图 | | 128 | 8 | 4 | 4 |  |  |  |  |  |  |  |  |
| 2 | 电工电子技术 | | 124 | 8 |  | 4 | 4 |  |  |  |  |  |  |  |
| 3 | 机械设计基础 | | 120 | 8 |  |  |  | 4 | 4 |  |  |  |  |  |
| 4 | 电气控制技术 | | 64 | 4 |  |  |  | 4 |  |  |  |  |  |  |
| 5 | 机械制造基础 | | 56 | 4 |  |  |  |  | 4 |  |  |  |  |  |
| 6 | 可编程控制器应用 | | 56 | 4 |  |  |  |  | 4 |  |  |  |  |  |
| 7 | 工业机器人技术应  用基础 | | 56 | 4 |  |  |  |  | 4 |  |  |  |  |  |
| 8 | 气动与液压技术 | | 84 | 5 |  |  |  |  |  | 6 |  |  |  |  |
| 9 | 工业机器人安装与  调试 | | 84 | 5 |  |  |  |  |  | 6 |  |  |  |  |
| 10 | 工业机器人操作与  编程 | | 112 | 7 |  |  |  |  |  | 4 | 4 |  |  |  |
| **小 计** | | **17%** | **884** | **57** | **4** | **8** | 4 | **8** | **16** | **16** | **4** | **0** | **0** | **0** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 课程分类 | 序号 | 课程名称 | | 学时 | 学分 | 各学期周数、学时分配 | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 18 周  17+1 | 18 周  15+3 | 18 周  16+2 | 18 周  16+2 | 18 周  14+4 | 18 周  14+4 | 18 周  14+4 | 18 周  12+6 | 19 周  8+11 | 19 周  0+19 |
| 限定选修课程 | 1 | 体锻 | | 128 | 8 | 2 | 2 | 2 | 2 |  |  |  |  |  |  |
| 2 | 互换性与技术测量 | | 32 | 2 |  |  |  | 2 |  |  |  |  |  |  |
| 3 | 程序设计基础 | | 64 | 4 |  |  |  | 4 |  |  |  |  |  |  |
| 4 | 电机与拖动 | | 56 | 4 |  |  |  |  | 4 |  |  |  |  |  |
| 5 | 传感器与检测技术 | | 36 | 2 |  |  |  |  |  | 3 |  |  |  |  |
| 6 | 机电产品三维造型 | | 42 | 3 |  |  |  |  |  | 3 |  |  |  |  |
| 7 | 机电一体化技术  （12 周） | | 36 | 2 |  |  |  |  |  |  | 3 |  |  |  |
| 8 | 工业机器人维护与保 养 (12 周 ) | | 48 | 3 |  |  |  |  |  |  | 4 |  |  |  |
| 9 | 机电专业英语(8 周) | | 32 | 2 |  |  |  |  |  |  |  | 4 |  |  |
| 10 | 工业机器人虚拟仿真 | | 48 | 3 |  |  |  |  |  |  |  | 4 |  |  |
| 11 | 机械制造工艺 | | 48 | 3 |  |  |  |  |  |  |  | 4 |  |  |
| 12 | 数控加工技术 | | 60 | 4 |  |  |  |  |  |  |  | 5 |  |  |
| 13 | 创新创业与就业指导 | | 32 | 2 |  |  |  |  |  |  |  |  | 4 |  |
| 14 | 生产现场管理 | | 32 | 2 |  |  |  |  |  |  |  |  | 4 |  |
| 15 | 智能制造新知识新技术 | | 16 | 1 |  |  |  |  |  |  |  |  | 2 |  |
| **小计** | | **14%** | **710** | **45** | **2** | **2** | **2** | **8** | **4** | **6** | **7** | **17** | **10** | **0** |
| 任意选修课程  10 选 5 | 1 | 中华优秀传统文化职场礼仪 | | 160 | 10 |  |  |  |  |  |  | 选 1  12 周 | 选 1 | 选 3 |  |
| 2 | 电气绘图 | |
| 3 | 增材制造 | |
| 4 | 工业物联网 | |
| 5 | phython 软件基础 | |
| 6 | 移动机器人 | |
| 7 | 机器人夹具 | |
| 8 | 机电设备营销 | |
| 9 | 工程经济学 | |
| 10 | 日语基础 | |
| **小 计** | | **3%** | **160** | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **3** | **12** | **0** |
| 性立教设学置环的节实践 | 1 | 专业认知实习 | | 28 | 1 | 1 周 |  |  |  |  |  |  |  |  |  |
| 2 | 金工实训 | | 56 | 2 |  | 2 周 |  |  |  |  |  |  |  |  |
| 3 | 零件测绘综合实践 | | 28 | 1 |  | 1 周 |  |  |  |  |  |  |  |  |
| 4 | 电子技能综合实践 | | 56 | 2 |  |  | 2 周 |  |  |  |  |  |  |  |
| 5 | 电气装配综合实践 | | 56 | 2 |  |  |  | 2 周 |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 课程分类 | 序号 | 课程名称 | | 学时 | 学分 | 各学期周数、学时分配 | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 18 周  17+1 | 18 周  15+3 | 18 周  16+2 | 18 周  16+2 | 18 周  14+4 | 18 周  14+4 | 18 周  14+4 | 18 周  12+6 | 19 周  8+11 | 19 周  0+19 |
| 独性立教设学置环的节实践 | 6 | 维修电工综合实践 | | 112 | 4 |  |  |  |  | 4 周 |  |  |  |  |  |
| 7 | 机械设计基础综合实践 | | 28 | 1 |  |  |  |  |  | 1 周 |  |  |  |  |
| 8 | 机电技能综合实践 | | 84 | 3 |  |  |  |  |  | 3 周 |  |  |  |  |
| 9 | 1+X 工业机器人操作与运维综合实践 | | 112 | 4 |  |  |  |  |  |  | 4 周 |  |  |  |
| 10 | 1+X 工业机器人集  成应用综合实践 | | 168 | 6 |  |  |  |  |  |  |  | 6 周 |  |  |
| 11 | 专业综合实践（企业） | | 308 | 11 |  |  |  |  |  |  |  |  | 11 周 |  |
| **小 计** | | **20%** | **1036** | **37** |  |  |  |  |  |  |  |  |  |  |
| 顶岗实习 | 1 | 毕业综合实践 | | 570 | 19 |  |  |  |  |  |  |  |  |  | 30 |
| **小 计** | | **11%** | **570** | **19** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** |
| **合计** | | | **100%** | **5156** | **279** | **28** | **30** | **28** | **28** | **28** | **28** | **28** | **26** | **24** | **30** |

（七）市场营销(化妆品营销)专业

中高职教育贯通试点人才培养方案

