字体写号说明：标题“四号，黑体，居中”，一级标题“小四号，黑体”

正文部分，宋体小四号字，行距固定值20磅，段前0.5行，段后0.5行。表格部分为宋体五号字。

页面设置：A4纸，纵向，页边距上下左右均为3厘米，装订线位置在左侧。请勿更改页面设置、字体、字号、段前、段后、行间距等格式设置。

编写方案时请删掉红字部分。

\*\*\*\*专业培养方案

专业代码：\*\*\*\*\*\*

一、培养目标

本专业培养德智体美劳全面发展，......的高素质应用型人才。

毕业工作5年左右，\*\*\*\*\*\*\*\*\*\*\*\*。

1.

2.

3.

........

（注意：请各专业按照上述基本模式进行培养目标的描述。

培养目标要瞄准区域经济社会发展需求、围绕学校本科人才培养目标的总体定位、结合本专业的优势与特色综合确定。培养目标应包括学生毕业时具备的知识、能力和素质，明确毕业生服务领域、职业特征、人才定位以及职业能力的预期以及5年左右在社会与专业领域能达到的预期水平。培养目标的表述切忌空洞虚高，要可实现、可衡量，各专业还需将培养目标分解为3-5条小目标。）

二、毕业要求

毕业要求在广度上应能完全覆盖认证通用标准中11条毕业要求所涉及的内容，描述的学生能力和素养通过本科阶段的学习能够达成，在程度上应不低于12项通用标准的基本要求，能支撑培养目标的达成。

1. **工程知识：**能够将数学、自然科学、工程基础和专业知识用于......

（毕业要求各条段落设置：行距固定值20磅，段前、段后0行）

1.1

1.2

.....

**2.问题分析**

2.1

2.2

.....

**3.设计/开发解决方案**

3.1

3.2

**4.研究**

**5.使用现代工具**

**6.工程与可持续发展**

**7.工程伦理和职业规范**

**8.个人与团队**

**9.沟通**

**10.项目管理**

**11.终身学习**

.....

（毕业要求末行段落设置：行距固定值20磅，段前0行，段后0.5行）???

三、毕业要求与培养目标的支撑关系

**毕业要求对培养目标的支撑矩阵表**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 培养目标 | 毕业要求 | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 目标1 |  |  |  |  |  |  |  |  |  |  |  |
| 目标2 |  | H | M |  |  |  |  |  |  |  |  |
| 目标... |  |  |  |  |  |  |  |  |  |  |  |
| 目标n |  |  |  |  |  |  |  |  |  |  |  |

注：H--强支撑，M--中支撑

四、专业核心能力与指标点和知识领域的支撑关系

（简洁论述专业核心能力的形成，以及与指标点和知识领域的逻辑关系）

专业核心能力的支撑关系矩阵

|  |  |  |  |
| --- | --- | --- | --- |
| 专业核心能力 | 二级专业核心能力 | 支撑核心能力的指标点 | 支撑核心能力的知识领域 |
| 1. | 1.1 | 强支撑，数量不宜过多 |  |
| 1.2 | 如：指标点1.1、... |
| 1.3 |  |
| 2. |  |  |  |
|  |  |
| 3. |  |  |  |
|  |  |
|  |  |  |  |
|  |  |

五、主干学科

×××

六、核心课程

×××、×××、……。

七、学制

2年，弹性学习年限1～4年。

八、授予学位

修满规定的学分，符合《沈阳科技学院学士学位授予实施细则》规定的毕业生，授予工学学士学位。

九、教学计划安排

教学进程表

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 教学周  学期 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 暑假 | 寒假 | 备注 |
| 一 | ☆＋ | ☆＋ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 二 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ▲ |  |  |
| 三 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |  | ▲ |  |
| 四 | ▲ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | △ | △ |  |  |  |  |
| 符号说明：军训☆　入学教育＋　理论教学→　考试::　实习实践※　毕业教育△毕业实习▲  毕业设计（毕业论文）□ 　毕业设计选题ф | | | | | | | | | | | | | | | | | | | | | | | |

课程结构表

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 课程类别 | | 应修学分 | 学分占比 | 实践学分 | 实践学分占比 |
| 通识教育课程 | 通识必修课程 |  |  |  |  |
| 通识选修课程 | 8 |  |  |  |
| 学科基础课程 | |  |  |  |  |
| 专业教育课程 | 专业必修课程 |  |  |  |  |
| 专业选修课程 |  |  |  |  |
| 集中实践环节 | |  |  |  |  |
| 总学分 | |  |  |  |  |

十、指导性教学计划

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 课程类别 | | 课程编码 | 课程名称 | 学分 | 总学时 | 理论学时 | 实践学时 | 一学年 | | 二学年 | | 考核方式 | 备注 | 开课单位 | | 一 | 二 | 三 | 四 | | 通识教育课程 | 通识教育必修课程 | 1001001 | 中国近现代史纲要 | 3 | 48 | 40 | 8 | 3 |  |  |  | 试 |  | 马院 | | 1001003 | 马克思主义基本原理\* | 3 | 48 | 40 | 8 |  | 3 |  |  | 试 |  | | 100900\* | 形势与政策Ⅰ-Ⅱ | 1 | 16 | 16 | 0 | 1 |  |  |  | 查 |  | | 1010006 | 大学生心理健康教育 | 1 | 16 | 16 | 0 | 1 |  |  |  | 查 |  | 双创学院 | | 1010008 | 职业发展与就业指导 | 0.5 | 8 | 8 | 0 | 0.5 |  |  |  | 查 |  | | 通识教育必修课程 小计 | | 8.5 | 136 | 120 | 16 | 5.5 | 3 |  |  |  |  | | | 通识选修课程 |  | 思想道德与文化传承 |  |  |  |  | 1.在通识选修模块中至少修读6学分。 2.其中限选： 《大学美育基础》2学分 3.自然科学与现代技术类选修，包含C语言程序设计  4.高等数学3学分，线性代数3学分，大学外语3学分。  5.选修课可在第四学期开设线上选修课。 | | | | 查 | 课程目录见附件 |  | |  | 艺术鉴赏与审美体验 |  |  |  |  | 查 |  | |  | 体育素养与运动能力 |  |  |  |  | 查 |  | |  | 社会科学与当代世界 |  |  |  |  | 查 |  | |  | 思维科学与自我发展 |  |  |  |  | 查 |  | |  | 自然科学与现代技术 |  |  |  |  | 查 |  | |  | 大学生创新创业教育 |  |  |  |  | 查 |  | |  | 高等数学 |  |  |  |  | 查 | 基础部 | |  | 线性代数 |  |  |  |  | 查 | |  | 大学外语 |  |  |  |  | 查 | 人文学院 | | 通识选修课程小计 | | 8 | 128 | 128 | 0 | ✓ | ✓ |  | ✓ |  |  | | | 学科基础课程 | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | | 学科基础课程 小计 | |  |  |  |  |  |  |  |  |  |  |  | | 专业课 | 专业必修课程 |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | | 专业必修课小计 | |  |  |  |  |  |  |  |  |  |  |  | | 专业选修课程 |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | | 专业选修课小计 | |  |  |  |  |  |  |  |  |  |  |  | | 集中实践环节 | | 1009070 | 军事技能 | 2 |  |  | 2w | 2w |  |  |  | 查 |  | 基础部 | | 0311907 | 社会实践 | 1 |  |  | 2w | 1w | 1w |  |  | 查 |  | 学院 | |  | 认知实习 | 0.5 |  |  |  |  |  |  |  | 查 |  | | 0311908 | 毕业实习 | 9 |  |  | 27w |  |  | 27w |  | 查 |  | | 0311909 | 毕业设计 | 8 |  |  | 16w |  |  |  | 16w | 查 |  | | 1009089 | 创新创业学分 | 1 |  |  |  |  |  |  |  | 查 |  | 双创学院 | | 集中实践环节小计 | | 21.5 |  |  |  | 3w | 1w | 27w | 16w |  |  |  | | 总 计 | | | | 85 |  |  |  |  |  |  |  |  |  |  | | 注：核心课程在备注栏标注“核心”，学位课在课程名后标\*号。 | | | | | | | | | | | | | | |   注：核心课程在备注栏标注“核心”，学位课在课程名后标\*号。 |