**生物科学专业本科教学计划表**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 课程类别 | 课程名称 | | | 学分 | 学时数 | | | | 各学年周学时分配 | | | | | | | |
| 合计 | 讲授 | | 实验 | 一 | | 二 | | 三 | | 四 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 通识平台课程 | 通识必修课程 | | 思想道德修养与法律基础 | 3 | 54 | 54 | |  | 3 |  |  |  |  |  |  |  |
| 中国近现代史纲要 | 2 | 36 | 36 | |  | 2 |  |  |  |  |  |  |  |
| 马克思主义基本原理 | 3 | 54 | 54 | |  |  | 3 |  |  |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论 | 6 | 108 | 54 | | 54 |  |  | 3 |  |  |  |  |  |
| 大学英语一 | 4 | 72 | 72 | |  | 4 |  |  |  |  |  |  |  |
| 大学英语二 | 4 | 72 | 72 | |  |  | 4 |  |  |  |  |  |  |
| 大学体育一 | 1 | 36 | 36 | |  | 2 |  |  |  |  |  |  |  |
| 大学体育二 | 1 | 36 | 36 | |  |  | 2 |  |  |  |  |  |  |
| 大学体育三 | 1 | 36 | 36 | |  |  |  | 2 |  |  |  |  |  |
| 大学体育四 | 1 | 36 | 36 | |  |  |  |  | 2 |  |  |  |  |
| 信息技术基础 | 4 | 90 |  | | 90 | 5 |  |  |  |  |  |  |  |
| 合计 | | | 30 | 630 | 486 | | 144 |  |  |  |  |  |  |  |  |
| 英语拓展选修 | | | 8 | 根据大学英语四、六级成绩学生可自主选择修读0-8学分 | | | | | | | | | | | |
| 通识选修课程 | | | 8 | 详见学校通识选修课程模块 | | | | | | | | | | | |
| 大类平台课程 | 高等数学D1 | | | 3 | 54 | 54 | |  | 3 |  |  |  |  |  |  |  |
| 发展中的生命科学 | | | 2 | 36 | 36 | |  | 2 |  |  |  |  |  |  |  |
| 发展中的化学科学 | | | 2 | 36 | 36 | |  | 2 |  |  |  |  |  |  |  |
| 合计 | | | 7 | 126 | 126 | |  |  |  |  |  |  |  |  |  |
| 学科平台课程 | 无机化学 | | | 2 | 36 | 36 | |  |  | 2 |  |  |  |  |  |  |
| 分析化学 | | | 2 | 36 | 36 | |  |  | 2 |  |  |  |  |  |  |
| 有机化学 | | | 2 | 36 | 36 | |  |  | 2 |  |  |  |  |  |  |
| 植物学\* | | | 4 | 72 | 72 | |  |  | 4 |  |  |  |  |  |  |
| 动物学\* | | | 4 | 72 | 72 | |  |  | 4 |  |  |  |  |  |  |
| 普通物理学 | | | 2 | 36 | 36 | |  |  |  | 2 |  |  |  |  |  |
| 微生物学\* | | | 2 | 36 | 36 | |  |  |  | 2 |  |  |  |  |  |
| 合计 | | | 18 | 324 | 324 | |  |  |  |  |  |  |  |  |  |
| 专业必修  课程 | 生物化学\* | | | 4 | 72 | 72 | |  |  |  | 4 |  |  |  |  |  |
| 遗传学\* | | | 2 | 36 | 36 | |  |  |  | 2 |  |  |  |  |  |
| 植物生理学\* | | | 2 | 36 | 36 | |  |  |  |  | 2 |  |  |  |  |
| 分子生物学（双语）\* | | | 2 | 36 | 36 | |  |  |  |  | 2 |  |  |  |  |
| 组织学与解剖学\* | | | 2 | 36 | 36 | |  |  |  |  | 2 |  |  |  |  |
| 人体及动物生理学\* | | | 2 | 36 | 36 | |  |  |  |  |  | 2 |  |  |  |
| 细胞生物学（双语）\* | | | 3 | 54 | 54 | |  |  |  |  |  | 3 |  |  |  |
| 普通生态学\* | | | 2 | 36 | 36 | |  |  |  |  |  | 2 |  |  |  |
| 进化生物学\* | | | 2 | 36 | 36 | |  |  |  |  |  |  |  | 2 |  |
| 合计 | | | 21 | 378 | 378 | |  |  |  |  |  |  |  |  |  |
| 专业限定选修课程 | 酶工程与发酵工程 | | | 2 | 36 | 36 | |  |  |  |  | 2 |  |  |  |  |
| 免疫学 | | | 2 | 36 | 36 | |  |  |  |  |  | 2 |  |  |  |
| 细胞工程与基因工程 | | | 2 | 36 | 36 | |  |  |  |  |  | 2 |  |  |  |
| 生物统计学（网络课程） | | | 2 | 36 | 18 | | 18 |  |  |  |  |  | 2 |  |  |
| 生物文献检索与论文写作 | | | 1 | 18 | 18 | |  |  |  |  |  |  |  | 2 |  |
| 合计 | | | 9 |  | | | | | | | | | | | |
| 专业开放选修课  程 | 应用寄生虫学 | | | 1.5 | 27 | 27 | |  |  |  |  | 3 |  |  |  |  |
| 植物资源学 | | | 1 | 18 | 18 | |  |  |  |  | 3 |  |  |  |  |
| 动物资源学 | | | 1 | 18 | 18 | |  |  |  |  | 3 |  |  |  |  |
| 植物组织培养及应用 | | | 1.5 | 27 | 27 | |  |  |  |  | 3 |  |  |  |  |
| 生物多样性概论 | | | 1.5 | 27 | 27 | |  |  |  |  | 3 |  |  |  |  |
| 特种动物养殖学 | | | 2 | 36 | 36 | |  |  |  |  | 3 |  |  |  |  |
| 昆虫学 | | | 1 | 18 | 18 | |  |  |  |  | 2 |  |  |  |  |
| 应用真菌学 | | | 2 | 36 | 36 | |  |  |  |  | 3 |  |  |  |  |
| 保护生物学 | | | 1.5 | 27 | 27 | |  |  |  |  | 3 | 2 |  |  |  |
| 生命科学进展 | | | 2 | 36 | 36 | |  |  |  |  |  | 2 |  |  |  |
| 发育生物学 | | | 2 | 36 | 36 | |  |  |  |  |  | 2 |  |  |  |
| 无土栽培学 | | | 1 | 18 | 18 | |  |  |  |  |  | 2 |  |  |  |
| 铁与人类健康 | | | 1 | 18 | 18 | |  |  |  |  |  | 2 |  |  |  |
| 水产动物营养与饲料学 | | | 1 | 18 | 18 | |  |  |  |  |  | 2 |  |  |  |
| 表观遗传学 | | | 1.5 | 27 | 27 | |  |  |  |  |  |  | 3 |  |  |
| 时间生物学 | | | 2 | 36 | 36 | |  |  |  |  |  |  | 4 |  |  |
| 医用生物材料技术 | | | 1 | 18 | 18 | |  |  |  |  |  |  | 2 |  |  |
| 人类遗传与优生 | | | 1 | 18 | 18 | |  |  |  |  |  |  | 2 |  |  |
| 基因组学及其关键术语（双语） | | | 1.5 | 27 | 27 | |  |  |  |  |  |  |  | 3 |  |
| 生物信息学 | | | 2 | 36 | 36 | |  |  |  |  |  |  |  | 2 |  |
| 专业英语 | | | 2 | 36 | 36 | |  |  |  |  |  |  |  |  | 2 |
| 动物生物学进展 | | | 2 | 36 | 36 | |  |  |  |  |  |  |  |  | 3 |
| 细胞生物学研究进展 | | | 2 | 36 | 36 | |  |  |  |  |  |  |  |  | 3 |
| 合计 | | |  | | | | | | | | | | | | |
| 教师教育理论课程 | | | | 30\24 | 详见学校教师教育模块, 其中实践教学课程19\13学分 | | | | | | | | | | | |
| 实践教学课程 | 必修 | 无机化学实验 | | 0.5 | 18 | |  | 18 |  | 3 |  |  |  |  |  |  |
| 分析化学实验 | | 0.5 | 18 |  | | 18 |  | 3 |  |  |  |  |  |  |
| 有机化学实验 | | 0.5 | 18 |  | | 18 |  | 3 |  |  |  |  |  |  |
| 植物学实验 | | 1 | 36 |  | | 36 |  | 3 |  |  |  |  |  |  |
| 动物学实验 | | 1 | 36 |  | | 36 |  | 3 |  |  |  |  |  |  |
| 教学实习 | | 2 |  |  | |  |  | 2周 |  |  |  |  |  |  |
| 微生物学实验 | | 0.5 | 24 |  | | 24 |  |  | 3 |  |  |  |  |  |
| 生物化学实验 | | 1 | 36 |  | | 36 |  |  | 3 |  |  |  |  |  |
| 遗传学实验 | | 1 | 36 |  | | 36 |  |  | 3 |  |  |  |  |  |
| 植物生理学实验 | | 1 | 36 |  | | 36 |  |  |  | 3 |  |  |  |  |
| 分子生物学实验 | | 1 | 36 |  | | 36 |  |  |  | 3 |  |  |  |  |
| 组织学与解剖学实验 | | 1 | 36 |  | | 36 |  |  |  | 3 |  |  |  |  |
| 人体及动物生理学实验 | | 1 | 36 |  | | 36 |  |  |  |  | 3 |  |  |  |
| 细胞生物学实验 | | 1 | 36 |  | | 36 |  |  |  |  | 3 |  |  |  |
| 毕业论文 | | 6 |  |  | |  |  |  |  |  |  |  |  | 12周 |
| 合计 | | | 19 | 408 |  | | 408 |  |  |  |  |  |  |  |  |
| 第二课堂实践 | | | 4 |  | | | | | | | | | | | |
| 综合素质课程 | | | | 11 | 详见学校综合素质模块 | | | | | | | | | | | |

注：1、课程后加\*号者为专业核心课程；

2、由学生根据个性发展需求，自主选择修读，建议文科各专业学生选修“大学文科数学”（1学分）；理科、艺术类与体育类等各专业学生选修“文学名篇赏析”（1学分）与“国学” （1学分）中任选一门。

3、各专业如有其它说明内容，请续接具体内容。如：教师教育模块课程内容有变动，对实习、实践有特殊要求等。