

专 业：化工生物技术  
学 制：三年（高中、中职）

## I 校历和周数分配表

| II 教学进程表     |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|--------------|--|----------|----------|-------------|------|--------|------|------|------|-----|---------|---------|---------|---------|---------|------------|-------------|
| 课程类别         |  | 序号       | 课程编码     | 课程名称        | 学期分配 |        | 总学时  | 学时分配 |      | 学分  | 学期学时分布  |         |         |         |         |            | 对应考证及其他相关说明 |
|              |  |          |          |             | 考试   | 考查     |      | 理论学时 | 课内实践 |     | 第1学年    |         | 第2学年    |         | 第3学年    |            |             |
|              |  |          |          | 专业序号        |      |        | 9    |      |      | 15周 | 16周     | 16周     | 17周     | 16周     | 17周     |            |             |
| 公共基础必修课程     |  | 1        | gg081001 | 思想道德修养与法律基础 |      | 1      | 60   | 50   | 10   | 3   | 4       |         |         |         |         |            |             |
|              |  | 2        | gg081002 | 毛思、特色理论概论   |      | 2,3    | 64   | 58   | 6    | 4   |         |         |         |         |         |            |             |
|              |  | 3        | gg081003 | 形势与政策       |      | 123456 | 48   | 48   |      | 3   | /2*4    | 2*4     | 2*4     | 2*4     | 2*4     | 2*4        |             |
|              |  | 4        | gg081004 | 心理健康教育      |      | 1      | 16   | 16   |      | 1   | 2*8     |         |         |         |         |            |             |
|              |  | 5        | gg081005 | 军事理论        |      | 4      | 34   | 34   |      | 2   |         |         |         | 2       |         |            |             |
|              |  | 6        | gg071001 | 体育          |      | 1,2    | 62   | 6    | 56   | 4   | 2       | 2       |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  | 7        | gg061001 | 外语          | 1,2  |        | 124  | 84   | 40   | 7   | 4       | 4       |         |         |         |            | 外语A级        |
|              |  | 8        | gg081006 | 职业生涯规划      |      | 3      | 16   | 16   |      | 1   |         |         | 2*8     |         |         |            |             |
|              |  | 9        | gg081007 | 择业与就业指导     |      | 4      | 16   | 16   |      | 1   |         |         |         | 2*8     |         |            |             |
|              |  | 10       | gg081008 | 创新创业教育与创业实务 |      | 5      | 16   | 16   |      | 1   |         |         |         |         | 2*8     |            |             |
|              |  | 11       | gg081020 | 公共卫生与健康     |      | 3      | 16   | 16   |      | 1   |         |         | 2*8     |         |         |            |             |
|              |  | 12       | gg051001 | 计算机应用基础     |      | 1      | 60   | 20   | 40   | 3   | 4       |         |         |         |         |            |             |
|              |  | 13       | gg051002 | C程序设计       |      | 2      | 64   | 24   | 40   | 4   |         | 4       |         |         |         |            | 计算机二级       |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
| 专业基础必修课程     |  | 14       | yh031001 | 化工识图与CAD    |      | 3      | 64   | 36   | 28   | 4   |         |         | 4       |         |         |            | CAD中级       |
|              |  | 15       | yh031002 | 基础化学        | 1    | 2      | 124  | 92   | 32   | 7   | 4       | 4       |         |         |         |            |             |
|              |  | 16       | yh031017 | 化学分析        | 1    |        | 60   | 24   | 36   | 3   | 4       |         |         |         |         |            |             |
|              |  | 17       | yh031016 | 仪器分析        | 2,3  |        | 128  | 48   | 80   | 7   |         | 4       | 4       |         |         |            |             |
|              |  | 18       | yh031003 | 生物化学        | 2    |        | 64   | 64   |      | 4   |         | 4       |         |         |         |            |             |
|              |  | 19       | yh031005 | 微生物基础       | 3    |        | 64   | 24   | 40   | 4   |         |         | 4       |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  | 20       | yh031007 | 发酵工艺技术      | 3    |        | 64   | 32   | 32   | 4   |         |         | 4       |         |         |            |             |
|              |  | 21       | yh031008 | 生物分离纯化技术    | 4    |        | 102  | 38   | 64   | 6   |         |         |         | 6       |         |            |             |
|              |  | 22       | yh031009 | 生物产品分析      | 4,5  |        | 132  | 44   | 88   | 7   |         |         |         | 4       | 4       |            |             |
|              |  | 23       | yh031011 | 生物制药技术      | 4    |        | 68   | 18   | 50   | 4   |         |         |         | 4       |         |            |             |
|              |  | 24       | yh031012 | 食品生物技术      | 5    |        | 64   | 14   | 50   | 4   |         |         |         |         | 4       |            |             |
|              |  | 25       | yh031006 | 生物化工设备      | 5    |        | 64   | 64   |      | 4   |         |         |         |         | 4       |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  | 26       | yh031010 | 生物化工专业英语    |      | 5      | 64   | 40   | 24   | 4   |         |         |         |         | 4       |            |             |
|              |  | 27       | yh031013 | 环境保护概论      | 4    |        | 68   | 68   |      | 4   |         |         |         | 4       |         |            |             |
| 28           |  | yh031014 | 文献检索     | 5           |      | 64     | 64   |      | 4    |     |         |         |         | 4       |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
| 专业拓展课程       |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  | 29       | gg072001 | 军事技能        |      | 1      | 78   | 0    | 78   | 3   | 3周      |         |         |         |         |            |             |
|              |  | 30       | gg052001 | C程序设计综合实训   | 2    |        | 26   | 4    | 22   | 1   |         | 1周      |         |         |         |            |             |
|              |  | 31       | yh032011 | 生物化学综合实训    | 2    |        | 26   | 4    | 22   | 1   |         | 1周      |         |         |         |            |             |
|              |  | 32       | yh032009 | 微生物综合实训     | 3    |        | 26   | 4    | 22   | 1   |         |         | 1周      |         |         |            |             |
|              |  | 33       | yh032004 | 发酵工艺综合实训    | 3    |        | 26   | 4    | 44   | 1   |         |         | 1周      |         |         |            | 化工总控工中级     |
|              |  | 34       | yh032008 | 生物分离工程仿真实训  | 4    |        | 26   | 4    | 22   | 1   |         |         |         | 1周      |         |            | 化工总控工中级     |
|              |  | 35       | yh032012 | 生物制药综合实训    | 4    |        | 26   | 4    | 22   | 1   |         |         |         | 1周      |         |            |             |
|              |  | 36       | yh032005 | 生物产品分析综合实训  | 5    |        | 26   | 4    | 22   | 1   |         |         |         |         | 1周      |            |             |
|              |  | 37       | yh032003 | 认识实习        | 5    |        | 26   | -356 | 382  | 1   |         |         |         |         | 1周      |            |             |
|              |  | 38       | yh032006 | 毕业课题        | 6    |        | 390  | 368  | 22   | 15  |         |         |         |         |         | 15周        |             |
| 39           |  | yh032007 | 毕业教育     | 6           |      | 52     | 8    | 44   | 2    |     |         |         |         |         | 2周      |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
| 技能课程         |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
|              |  |          |          |             |      |        |      |      |      |     |         |         |         |         |         |            |             |
| 总学时、学分       |  |          |          |             |      |        | 2518 | 1100 | 1418 | 133 |         |         |         |         |         |            |             |
| 周学时数<br>课程门数 |  |          |          |             |      |        |      |      |      |     | 25<br>8 | 26<br>8 | 24<br>8 | 24<br>7 | 24<br>7 | 实践学时占总学时比例 | 56%         |

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