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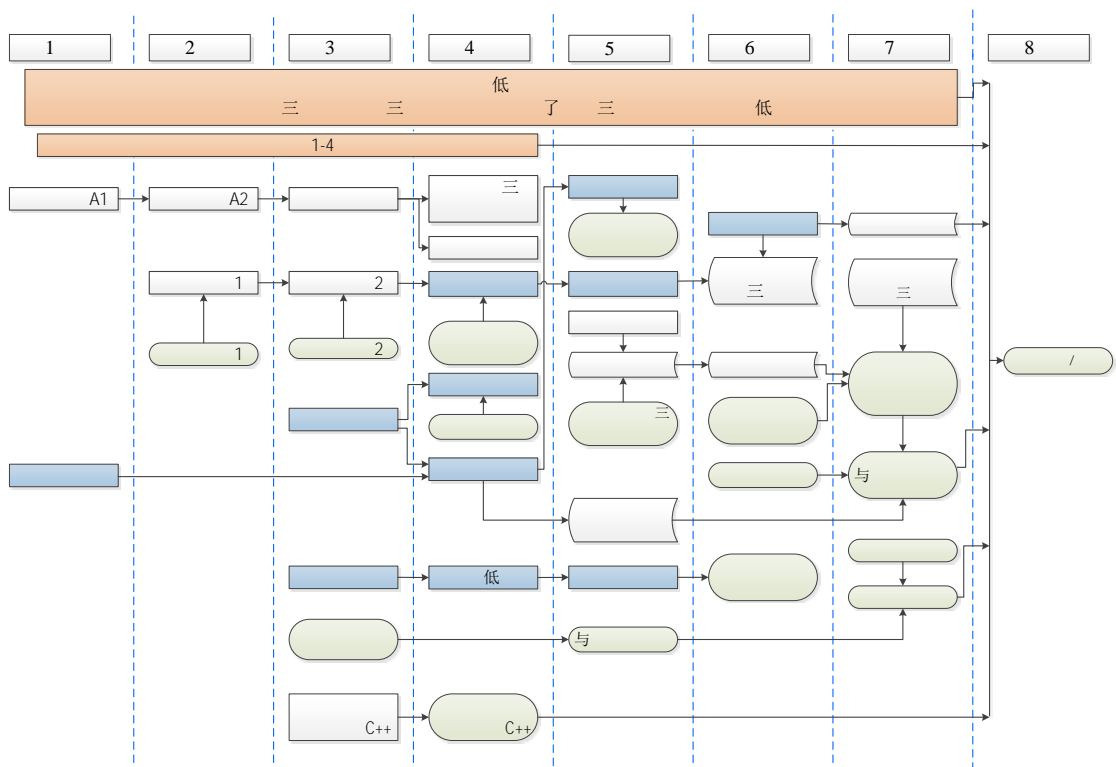
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| | | | 72 | 40.68% | 1284 |
| | | | 8 | 4.52% | 128 |
| | | | 80 | 45.2% | 1412 |
| | | | 30.5 | 17.23% | 488 |
| | | | 3 | 1.69% | 48 |
| | | | 33.5 | 18.93% | 536 |

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| | 与 | | 17 | 9.6% | 272 |
| | | | 3 | 1.69% | 48 |
| | | | 20 | 11.29% | 320 |
| | | | 133.5 | 75.4% | 2268 |
| (|) | | 37.5 | 21.2% | 272+26w |
| | | | 37.5 | 21.2% | 272+26w |
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| | 42 | 23.73% |
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| | | 16w | 19w | 17w | 18w | 15w | 16w | 11w | 112w |
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| | 20w | 20w | 20w | 20w | 20w | 20w | 20w | 15w | 155w |

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| | 23.25 | 27.5 | 21.75 | 25.6 | 18.15 | 18.44 | 4.81 | 0 | 139.5 |
| | 2 | 1.25 | 3.5 | 1.25 | 4 | 4.25 | 7 | 14.25 | 37.5 |
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| 26 | | | M | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | M | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | H | | | | | | | | | | | | | | | M | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | M | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 低 | | | H | H | | | | | | | | | | | | | | | M | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | M | | | | | | | M | | | | | M | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | M | | H | | | | | | | | L | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | H | | M | M | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | H | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 1 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 3 | .1 | .2 | .3 | .1 | .2 | .3 | .1 | .2 |
| 36 | | L | | | | | | M | H | | | | | | | | | | | | | | | | | | | | M | | | | | | | M | | |
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| 38 | ≡ | | | | | | | M | | | | M | | | | | | | | | | | | | | | | | M | | | | | | | | | |
| 39 | ≡ | | | | | | | H | | | | | | | | | | | | | | | | | | | | | M | | | | | | | M | | |
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| | | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 2.3 | 2.4 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 4.3 | 4.4 | 5.1 | 5.2 | 5.3 | 6.1 | 6.2 | 7.1 | 7.2 | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 | 9.3 | 10.1 | 10.2 | 10.3 | 11.1 | 11.2 | 11.3 | 12.1 | 12.2 |
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| 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

附录 轮机工程专业教学计划课程安排表

专业：轮机工程（2022版、177学分）

| 课程性质及类别 | 课程编号 | 课程名称 | 学分 | 总学时 | 其中 | | | | 开课学期 | 备注 |
|---------|-----------|-------------|------|------|------|------|------|------|------|----|
| | | | | | 授课学时 | 实验学时 | 上机学时 | 实践学时 | | |
| 要求学分 | | | | | | | | | | |
| | 05010039a | 高等数学A1 | 5.00 | 80.0 | 80.0 | | | | 1 | |
| | 08010134a | 大学英语1 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 07010016a | 体育1 | 1.00 | 36.0 | 32.0 | | | 4.0 | 1 | |
| | 21020314b | 船舶轮机与舱室环境概论 | 1.00 | 16.0 | 16.0 | | | | 1 | |
| | 09040032b | 思想道德修养与法治 | 3.00 | 48.0 | 30.0 | 2.0 | | 16.0 | 1 | |
| | 09010011b | 形势与政策1 | 0.25 | 8.0 | 8.0 | | | | 1 | |
| | 09020021a | 马克思主义基本原理 | 3.00 | 48.0 | 30.0 | 2.0 | | 16.0 | 1 | |
| | 14000016b | 军事理论与安全教育 | 2.00 | 36.0 | 28.0 | | | 8.0 | 1 | |
| | 13030001a | 航海英语1 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030002a | 航海英语2 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030003a | 航海英语3 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030004a | 航海英语4 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030005a | 航海英语5 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030006a | 航海英语6 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030007a | 航海英语7 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030008a | 航海英语8 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030009a | 航海英语9 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030010a | 航海英语10 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030011a | 航海英语11 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030012a | 航海英语12 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030013a | 航海英语13 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030014a | 航海英语14 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030015a | 航海英语15 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030016a | 航海英语16 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030017a | 航海英语17 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030018a | 航海英语18 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030019a | 航海英语19 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030020a | 航海英语20 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030021a | 航海英语21 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030022a | 航海英语22 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030023a | 航海英语23 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030024a | 航海英语24 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030025a | 航海英语25 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030026a | 航海英语26 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030027a | 航海英语27 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030028a | 航海英语28 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030029a | 航海英语29 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030030a | 航海英语30 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030031a | 航海英语31 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030032a | 航海英语32 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030033a | 航海英语33 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030034a | 航海英语34 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030035a | 航海英语35 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030036a | 航海英语36 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030037a | 航海英语37 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030038a | 航海英语38 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030039a | 航海英语39 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030040a | 航海英语40 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030041a | 航海英语41 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030042a | 航海英语42 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030043a | 航海英语43 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030044a | 航海英语44 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030045a | 航海英语45 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030046a | 航海英语46 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030047a | 航海英语47 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030048a | 航海英语48 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030049a | 航海英语49 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030050a | 航海英语50 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030051a | 航海英语51 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030052a | 航海英语52 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030053a | 航海英语53 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030054a | 航海英语54 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030055a | 航海英语55 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030056a | 航海英语56 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030057a | 航海英语57 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030058a | 航海英语58 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030059a | 航海英语59 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030060a | 航海英语60 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030061a | 航海英语61 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030062a | 航海英语62 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030063a | 航海英语63 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030064a | 航海英语64 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030065a | 航海英语65 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030066a | 航海英语66 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030067a | 航海英语67 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030068a | 航海英语68 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030069a | 航海英语69 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030070a | 航海英语70 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030071a | 航海英语71 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030072a | 航海英语72 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030073a | 航海英语73 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030074a | 航海英语74 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030075a | 航海英语75 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030076a | 航海英语76 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030077a | 航海英语77 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030078a | 航海英语78 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030079a | 航海英语79 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030080a | 航海英语80 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030081a | 航海英语81 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030082a | 航海英语82 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030083a | 航海英语83 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030084a | 航海英语84 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030085a | 航海英语85 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030086a | 航海英语86 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030087a | 航海英语87 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030088a | 航海英语88 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030089a | 航海英语89 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030090a | 航海英语90 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030091a | 航海英语91 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030092a | 航海英语92 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030093a | 航海英语93 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030094a | 航海英语94 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030095a | 航海英语95 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030096a | 航海英语96 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030097a | 航海英语97 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030098a | 航海英语98 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030099a | 航海英语99 | 3.00 | 48.0 | 48.0 | | | | 1 | |
| | 13030100a | 航海英语100 | 3.00 | 48.0 | 48.0 | | | | 1 | |

附表3

指导性专业教学计划课程安排表

专业：轮机工程（2022版、177学分）

| 课程类别 | 课程性质及要求学分 | 课程编号 | 课程名称 | 学分 | 总学时 | 其中 | | | | 开课学期 | 备注 |
|-----------|------------|-------------|---------------|------|------|------|-------|------|------|------|----|
| | | | | | | 授课学时 | 实验学时 | 上机学时 | 实践学时 | | |
| 合计 | | | | 80.0 | 1412 | 1112 | 36 | 0 | 136 | | |
| 学科基础课程 | 必修 30.5 | 02030009b | 工程图学 | 3.00 | 48.0 | 40.0 | | | 8.0 | 1 | |
| | | 01010343a | 理论力学 | 3.00 | 48.0 | 48.0 | | | | 3 | |
| | | 21030001a | 工程热力学 | 3.00 | 48.0 | 48.0 | | | | 3 | |
| | | 01010457a | 材料力学 | 3.00 | 48.0 | 48.0 | | | | 4 | |
| | | 03040089a | 电工电子技术 | 3.00 | 48.0 | 48.0 | | | | 4 | |
| | | 02010072a | 机械原理 | 2.00 | 32.0 | 28.0 | 4.0 | | | 4 | |
| | | 21030110a | 工程流体力学 | 3.00 | 48.0 | 48.0 | | | | 4 | |
| | | 02010428a | 机械设计 | 2.50 | 40.0 | 36.0 | 4.0 | | | 5 | |
| | | 21030111a | 传热学 | 3.00 | 48.0 | 48.0 | | | | 5 | |
| | | 21020269a | 自动控制基础 | 2.00 | 32.0 | 32.0 | | | | 5 | |
| | | 21020036a | 测试技术 | 3.00 | 48.0 | 42.0 | 6.0 | | | 6 | |
| | 小计 | | | | 30.5 | 488 | 466 | 14 | 0 | 8 | |
| | 选修 3.0 | 21020006b | 轮机工程材料与制造基础 | 1.50 | 24.0 | 20.0 | 4.0 | | | 4 | |
| | | 21020008b | AUTOCAD轮机图纸设计 | 1.50 | 24.0 | 16.0 | | 8.0 | | 5 | |
| 21020014b | | 船舶机械检验及维修技术 | 1.50 | 24.0 | 20.0 | 4.0 | | | 5 | | |
| 21020040b | | 动力设备故障诊断基础 | 1.50 | 24.0 | 20.0 | 4.0 | | | 5 | | |
| 21020041b | | 液压与气压传动技术 | 1.50 | 24.0 | 24.0 | | | | 5 | | |
| 小计 | | | | 3.0 | 48 | 100 | 12 | 8 | 0 | | |
| 合计 | | | | 33.5 | 536 | 566 | 26 | 8 | 8 | | |
| 专业课程 | 必修 17 | 21020201a | 船舶柴油机 | 3.00 | 48.0 | 40.0 | 8.0 | | | 5 | |
| | | 21020052a | 船舶振动控制技术 | 2.00 | 32.0 | 28.0 | 4.0 | | | 5 | |
| | | 21020035a | 船舶辅机 | 3.00 | 48.0 | 40.0 | 8.0 | | | 6 | |
| | | 21020053a | 船舶电气设备与系统 | 3.00 | 48.0 | 42.0 | 6.0 | | | 6 | |
| | | 21010029a | 船舶动力装置原理与设计 | 3.00 | 48.0 | 40.0 | 8.0 | | | 6 | |
| | | 21020039a | 轮机自动化 | 3.00 | 48.0 | 42.0 | 6.0 | | | 6 | |
| | | 小计 | | | | 17.0 | 272.0 | 232 | 40 | 0 | 0 |
| | 选修 3.0 | 21020009b | 船舶原理与结构 | 1.50 | 24.0 | 20.0 | | 4.0 | | 6 | |
| | | 21020019b | 智能船舶 | 1.00 | 16.0 | 16.0 | | | | 6 | |
| | | 21020015b | 轮机管电系统设计 | 1.50 | 24.0 | 20.0 | | 4.0 | | 6 | |
| | | 21020018b | 船舶噪声控制技术 | 1.50 | 24.0 | 20.0 | 4.0 | | | 6 | |
| | | 21020042b | 单片机原理及应用 | 1.00 | 16.0 | 16.0 | | | | 6 | |
| | | 21020013b | 船舶排放控制与环境保护技术 | 1.00 | 16.0 | 12.0 | 4.0 | | | 7 | |
| | | 21020043b | 船舶动力装置安装工艺 | 1.50 | 24.0 | 24.0 | | | | 7 | |
| | | 21020044b | LNG船舶轮机设备及系统 | 1.00 | 16.0 | 16.0 | | | | 7 | |
| | | 21020020b | 船舶综合电力推进系统 | 1.00 | 16.0 | 16.0 | | | | 7 | |
| | | 21020021b | 工程结构有限元分析 | 1.00 | 16.0 | 8.0 | | 8.0 | | 7 | |
| 21020022b | 轮机英语及口语 | 1.00 | 16.0 | 14.0 | | | 2.0 | 7 | | | |
| 21020023b | 船厂轮机专业技术谈判 | 1.00 | 16.0 | 16.0 | | | | 7 | | | |

附表3

指导性专业教学计划课程安排表

专业：轮机工程（2022版、177学分）

| 课程类别 | 课程性质及要求学分 | 课程编号 | 课程名称 | 学分 | 总学时 | 其中 | | | | 开课学期 | 备注 | |
|-------------|-----------|-----------|----------------|----------|------|------|------|------|------|------|----|--|
| | | | | | | 授课学时 | 实验学时 | 上机学时 | 实践学时 | | | |
| | | 小计 | | 3.0 | 48 | 198 | 8 | 16 | 2 | | | |
| | | 合计 | | 20.0 | 320 | 430 | 48 | 16 | 2 | | | |
| | | 14000013b | 军事技能训练 | 2.00 | 48 | | | | | 1 | 3w | |
| 通识教育 7.5 | | 05060068b | 物理实验1 | 1.00 | 32 | 32 | | | 2 | | | |
| | | 09010012b | 形势与政策实践1 | 0.25 | 8 | | | | 2 | | | |
| | | 05060069b | 物理实验2 | 0.50 | 16 | 16 | | | 3 | | | |
| | | 75010005b | 工程基础训练(金工) | 2.00 | 32 | | | | 3 | | | |
| | | 19020185b | 计算机程序设计实践(C++) | 1.00 | 16 | | | | 3 | 1w | | |
| | | 09010014b | 形势与政策实践2 | 0.25 | 8 | | | | 4 | | | |
| | | 09010016b | 形势与政策实践3 | 0.25 | 8 | | | | 6 | | | |
| | | 09010018b | 形势与政策实践4 | 0.25 | 8 | | | | 8 | | | |
| | | 小计 | | 7.5 | 176 | 0 | 48 | 0 | 0 | | | |
| 学科基础 4.0 | | 01010458b | 工程力学实验 | 0.50 | 16 | 16 | | | 4 | | | |
| | | 03101407b | 电工电子技术实验 | 0.50 | 16 | 16 | | | 4 | | | |
| | | 02010062b | 机械设计课程设计 | 2.00 | 32 | | | | 5 | 2w | | |
| | | 21030310b | 热能动力基础实验 | 1.00 | 32 | 32 | | | 6 | | | |
| | | | 小计 | | 4.0 | 96 | 0 | 64 | 0 | 0 | | |
| | 专业 26 | | 21020301b | 柴油机结构与拆装 | 1.0 | 16 | | | | 5 | 1w | |
| | | 21020302b | 专业认识实习 | 1.0 | 16 | | | | 5 | 1w | | |
| | | 21020045b | 自主创新设计 | 2.00 | 32 | | | | 6 | 2w | | |
| | | 21020211b | 专业综合实训 | 3.0 | 48 | | | | 7 | 3w | | |
| | | 21020146b | 轮机综合实训(轮机部见习) | 1.0 | 16 | | | | 6 | 1w | | |
| | | 21020147b | 轮机综合实训(轮机部见习) | 1.0 | 16 | | | | 7 | 1w | | |
| | | 21020151b | 轮机见习 | 2.0 | 32 | | | | 7 | 2w | | |
| | | 21020148b | 轮机见习 | 1.0 | 16 | | | | 7 | 1w | | |
| | | 21020109b | 轮机设计(论文) | 11.0 | 224 | | | | 8 | 11w | | |
| | | | 小计 | | 26.0 | 416 | 0 | 0 | 0 | | | |
| | | 合计 | | 37.5 | 688 | 0 | 112 | 0 | 0 | | | |
| 系中实践性教学环节 | | | | | | | | | | | | |