| 课程名称 | 毕业  要求1 | 毕业  要求2 | 毕业  要求3 | 毕业  要求4 | 毕业  要求5 | 毕业  要求6 | 毕业  要求7 | 毕业  要求8 | 毕业  要求9 | 毕业  要求10 | 毕业  要求11 | 毕业  要求12 | 毕业要求13 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 思想道德与法治 | H |  |  |  |  |  | M |  | H |  |  |  |  |
| 中国近现代史纲要 |  |  |  |  |  |  | M |  |  |  |  |  | H |
| 习近平新时代中国特色社会主义思想概论 |  |  |  |  |  |  | M |  |  |  |  |  |  |
| 毛泽东思想和中国特色社会主义理论体系概论 | H |  |  |  |  |  | M |  |  |  |  |  | M |
| 马克思主义基本原理 | H |  |  |  |  |  |  |  |  |  |  |  | M |
| 形势与政策（1）（2）（3） |  |  |  |  |  |  | H | H |  |  |  |  | M |
| 大学英语（1）（2） |  |  |  |  |  |  |  |  |  |  | H | M | H |
| 能源电力英语 |  |  |  |  |  |  |  |  |  |  | H | H | M |
| Python语言程序设计 |  |  | H | H |  | H |  |  |  |  |  |  | M |
| 大学体育课程 | H |  |  |  |  |  | M |  |  |  |  |  | H |
| 大学生入学教育与生涯规划 | H |  |  |  |  |  | M |  |  |  |  |  |  |
| 大学生心理健康 | H |  |  |  |  |  | M |  |  |  |  |  | H |
| 军事理论 | H |  |  |  |  |  |  |  | H |  |  |  |  |
| 创新创业基础 |  |  |  |  |  |  | M |  |  |  |  |  | H |
| 大学生就业与创业实务 |  |  |  |  |  |  | H |  |  |  |  |  | H |
| 能源中国 |  |  |  |  |  |  | M | H |  |  |  |  |  |
| 丝路之光 |  |  |  |  |  |  |  | H |  |  |  |  |  |
| 能源电力概论系列课程 |  | H | M |  |  |  | M |  |  |  |  |  |  |
| 高等数学A(1)(2) |  | H | H |  |  |  |  |  |  |  |  |  | M |
| 线性代数B |  | H | H |  |  |  |  |  |  |  |  |  | M |
| 大学物理B(1)(2) |  | H | H |  |  |  |  |  |  |  |  |  |  |
| 物理实验(1)(2) |  | H | H |  |  |  |  |  |  |  |  |  |  |
| 概率论与数理统计C |  | H |  | H |  |  |  |  |  |  |  |  | M |
| 能源服务工程导论 |  | H |  | M | M |  |  |  |  |  |  |  |  |
| 工程制图 |  | H |  | H | M |  |  |  |  |  |  |  |  |
| 运筹学 |  | H | H |  | M |  |  |  |  |  |  |  |  |
| 工程力学 |  | H |  | H | M |  |  |  |  |  |  |  |  |
| 电工电子技术(1)(2) |  | H | H | H |  |  |  |  |  |  |  |  |  |
| 系统工程原理 |  | H | M | H | H |  |  |  |  |  |  |  |  |
| 电力项目决策分析与评价 |  | M |  | H |  |  | H |  |  |  |  |  |  |
| 流体力学与输配管网 |  | H | M | H |  |  |  |  |  |  |  |  |  |
| 热工基础B |  | H | M | H |  |  |  |  |  |  |  |  |  |
| 数据库原理与应用 |  | H |  | H |  | H |  |  |  |  |  |  |  |
| 自动控制原理 |  | H |  | H | M |  |  |  |  |  |  |  |  |
| 能源服务信息管理技术 |  |  | H | M | H | M |  |  |  |  |  |  |  |
| 能源服务工程智能建造技术 |  |  | H | H | M | M |  |  |  |  |  |  |  |
| 电力系统分析 |  |  | H | H | M |  |  |  |  |  |  |  |  |
| 综合能源工程估价 |  |  |  |  |  |  | H |  | M |  |  | H |  |
| 电气设备及主系统 |  | H | M | H |  |  |  |  | M |  |  |  |  |
| 能源服务工程项目管理 |  |  |  | M |  |  | H |  | M |  |  | H |  |
| 综合能源系统规划与设计 |  | H | H | H | M |  |  |  |  |  |  |  |  |
| 分布式能源系统与冷热电三联产 |  | H | H | H | M |  |  |  |  |  |  |  |  |
| 环境评价与环境管理 |  |  |  | M |  |  | M | H |  |  |  |  |  |
| 工程测量 |  | H |  | M |  | M |  |  |  |  |  |  |  |
| 热工测量仪表 |  | H | M | M |  |  |  |  |  |  |  |  |  |
| 能源战略与政策 |  |  |  |  |  |  | H | H | M |  |  |  |  |
| 综合能源商业模式与风控管理 |  |  |  |  |  |  | H | M |  |  | M | H |  |
| 新能源发电并网技术 |  | H | H | H |  |  |  |  |  |  |  |  |  |
| 碳金融与碳资产管理 |  |  |  |  |  |  | M | H |  | M |  | M |  |
| 电力经济管理导论 |  |  |  |  |  |  | M |  |  |  | M | H |  |
| 能源危机管理 |  |  |  |  |  |  | H | M |  |  |  | H |  |
| 工程项目招投标与合同管理 |  |  |  |  |  |  | M |  | H |  |  | H |  |
| 二氧化碳转化与利用 |  | M |  | H | M |  |  |  |  |  |  |  |  |
| 能源系统概论 |  |  | M | H | M |  |  |  |  |  |  |  |  |
| 氢储能技术及应用 |  | H | M | M |  |  |  |  |  |  |  |  |  |
| 能源与人类社会 |  |  |  |  |  |  | H | M |  |  |  |  |  |
| 能源区块链与大数据 |  |  | H | M | M |  |  |  |  |  |  |  |  |
| 电力系统继电保护 |  | H | M | M |  |  |  |  |  |  |  |  |  |
| 高电压技术 |  | H | M | M |  |  |  |  |  |  |  |  |  |
| 工程项目投融资 |  |  |  |  |  |  | M |  |  | M |  | H |  |
| 军事技能 | H |  |  |  |  |  |  |  |  |  |  |  | M |
| 能源服务工程生产认识实习 |  |  |  |  |  |  | H |  |  | H | M |  |  |
| 工程实训 |  |  |  |  |  |  | H |  |  | H | M |  |  |
| 工程测量实训 |  |  |  |  |  |  |  |  | M | H | H |  |  |
| 电力项目决策分析与评价实训 |  |  |  |  |  |  | H |  |  | H | M | M |  |
| 综合能源工程估价实训 |  |  |  |  |  |  | H |  |  | H | M | M |  |
| 综合能源系统规划与设计课程设计 |  |  | M | H | M |  |  |  |  | H |  |  |  |
| 创新创业训练与实践 |  |  |  |  |  |  |  |  |  | M | H |  | H |
| 智能微电网教学实训 |  |  | M | M |  |  | H |  |  |  |  |  |  |
| 毕业实习 |  |  |  |  |  |  |  |  |  | H | H |  | M |
| 毕业设计(论文) |  |  | H | H | M |  | H |  |  | M | M |  | H |