

Curriculum

Master Program in Alternative Energy



| First Semester | | | |
|------------------------|--|-------------------|--------|
| Code | Name of the lesson | Required/Elective | Credit |
| MIF-B01 | Modern problems of engineer systems | Required Courses | 6 |
| MIF-B02 | History and methodology of engineer systems | Required Courses | 6 |
| MIF-B05A | Devices inspection and earthquake durability | Required Courses | 6 |
| MIF-B05B | Hazardous Waste Management | Required Courses | 6 |
| | Elective Courses | Required Courses | 6 |
| Second Semester | | | |
| Code | Name of the lesson | Required/Elective | Credit |
| MIF-B05C | Water supply systems | Required Courses | 6 |
| MIF-B05D | Sewage systems | Required Courses | 6 |
| MIF-B05E | Heat and gas supply systems | Required Courses | 6 |
| | Elective Courses | Required Courses | 6 |
| | Elective Courses | Required Courses | 6 |
| Third Semester | | | |
| Code | Name of the lesson | Required/Elective | Credit |
| MET-B01 | Individual work | Required Courses | 30 |
| MET-B02 | Thesis | Required Courses | 30 |

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| Elective Courses | | | |
|------------------|---|-------------------|--------|
| Code | Name of the lesson | Required/Elective | Credit |
| MIF-B04 | Solar energy | Elective Courses | 6 |
| MIF-B04 | Energy management in microclimate systems | Elective Courses | 6 |
| MIF-B04 | Mass and bio-mass energy use | Elective Courses | 6 |
| MIF-B04 | Regenerative energy and its use | Elective Courses | 6 |
| MIF-B04 | Hydroenergy systems | Elective Courses | 6 |
| MIF-B04 | Geothermal energy and its use | Elective Courses | 6 |