

Course Map for MUST Bachelor Program of Wind Power

MUST Core Required Courses:

Physical Education (2/2, 2/2), Classified General Education (2/2, 2/2, 2/2, 2/2, 2/2, 2/2)

School Required Courses :

Calculus(I) (II)(3/3, 3/3), Physics(I) (II)(2/2, 2/2), Ethics for Engineers(2/2), Applied Chinese(I)(II)(2/2, 2/2), Technical English(I)(II (III) (IV)(2/2, 2/2, 2/2, 2/2), Introduction to Programming(2/2), Introduction to Artificial Intelligence(2/2)

Fundamental Required Courses:

Ocean Observation Technology (3/3), Circuit Theory I (2/2), Engineering Mathematics (3/3), Electronic Circuit (3/3), Green Energy Technology (3/3) , Introduction to Wind Power(3/3), Engineering Materials & Lab(3/3), Engineering Mechanics(3/3),

Professional Required Courses:

Computer Aided Drawing I (3/3), Electrical Machinery Lab (1/2), Programmable Logic Controller (3/3), Power System (3/3), Power Generation System and Energy Conversion (3/3), Offshore & Onshore Wind Turbine Foundation(3/3), Wind Power System Practice(3/3), Offshore Wind Farm Structures and Maritime Engineering(3/3), Building Information Modeling(3/3), Special Practical Projects (I)(II) (1/1,1/1), Offshore & Onshore Wind Operations and Maintenance Engineering(3/3)

Professional Elective Courses :

Mechatronics(3/3), Electric Machine Control(3/3), Smart Grid(3/3), Microgrid System(3/3), Practice of Environmental Monitoring (3/3), Industrial Safety(2/2), Practice of Non-destructive Testing(3/3), Practice of BIM(3/3), Offshore Wind Power Technology(3/3), Wind Power Operation and Maintenance Practice(3/3), Wind Power Facility Structure(3/3), GIS Practice (3/3),

Special Projects (1/3, 1/3)

Corporate Internship (9), Practicum Training (9)

Become a professional in the design and maintenance of wind power

Minimum credits required for graduation: 128 credits