



Wrocław
University
of Science
and Technology

International second level studies
at
the Faculty of Mechanical and Power Engineering



Master of Science in Renewable Sources of Energy

Your strengths after graduation:

You have the knowledge and skills in designing, testing and operation of power plants using nonconventional energy sources in a wide spectrum of degree of conversion and energy storage methods.



Entry information:

- **Requirements:** B.S.C.. or B.Eng. diploma in power/mechanical engineering or related field.
- **Mode of study:** Full time
Programme lasts three semesters **starting from 26th February 2020**
- **Medium of instruction:** English
Language skills of UE and non-UE candidates - equivalent of minimum **TOEFL IBT - 87 point or 6.5 points IELTS**. List of accepted language certificates can be checked online.

Beginning of admission:

Non EU/EFTA students: **November 2019**

EU/EFTA students: see www.rekrutacja.pwr.edu.pl/en >> **Application Deadlines & Calendar**

Tuition fee:

Non EU/EFTA students: **2000 EUR per semester**

EU/EFTA students: no tuition fee

Application fee:

Non EU/EFTA students: **20 EUR**

EU/EFTA students: see www.rekrutacja.pwr.edu.pl/en >> **Fees and Legal Acts**



Wrocław
University
of Science
and Technology

International second level studies
at
the Faculty of Mechanical and Power Engineering



Master of Science in Renewable Sources of Energy

Job prospects:

You will be prepared to work in power industry.

In particular, you will have a good base to:

- work on designing of equipment using renewable energy,
- create new solutions in renewable energy sector,
- supervise the work of renewable and hybrid energy systems,
- assess of the effectiveness of renewable energy sources usage, depending on location of investments,
- determine and assess local and global energy strategy.



Content of courses:

1st semester (February - July 2020)

- Applied Mathematics
- Physics - Selected Issues
- Numerical Methods
- Selected Problems of Thermal-Flow Processes
- Physics of Renewable Energy
- Fuel Cells and Hydrogen Production
- Geothermal Power Engineering
- Biomass in Energy Production
- Wind Power Plants
- Foreign Language at B2+/C1 level

2nd semester (October 2020 - January 2021)

- Mathematical Modelling of Energy Generation Installations
- New Generation Energy Technologies
- Heat Pumps
- Solar Energy Conversion System
- Water Power Engineering
- Biofuels and Alternative Fuels
- Management Course (eligible)
- Foreign Language (next language, any level)

3rd semester (February - July 2021)

- Energy Systems
- Thermonuclear Power Generation
- Humanities Course (eligible)
- Master Thesis
- Master Seminar

For details see:

<http://wme.pwr.edu.pl/en/RSE/>

More details:

<http://wme.pwr.edu.pl/en/RSE/>

<http://wme.pwr.edu.pl/en/Admission/>

<http://rekrutacja.pwr.edu.pl/en/>

Programme coordinator:

prof. Dorota Nowak-Woźny, Ph.D.

Dorota.Nowak-Wozny@pwr.edu.pl