



For more information contact:

MAILING ADDRESS

Department of Renewable Energy & Environmental Engineering

School of Environment & Climate Change

Papua New Guinea University of Natural Resources & Environment

Private Mail Bag

KOKOPO

East New Britain Province

Phone: 983 9144

ADMISSION QUERIES EMAIL ADDRESS

studentadmin@unre.ac.pg

GENERAL QUERIES EMAIL ADDRESS

publicrelations@unre.ac.pg

www.unre.ac.pg

YEAR 3 COURSES

Semester 1

- RE 311 Solar Photovoltaics
- RE 312 Tidal Power (Marine Renewable Energy)
- RE 313 Wind Energy Technology & Systems
- RE 314 Biomass Energy, Waste Technology & Systems

Semester 2

- RE 312 Computer & GIS Applications in Environmental Engineering
- RE 322 Ecological Evaluation of EIA
- RE 323 Occupational Health & Safety in PNG and other Regions in the Pacific Islands
- RE 325 Operation & Maintenance of Environmental Facilities

YEAR 4 COURSES

Semester 1

- RE 411 Life Cycle Assessment
- RE 412 Fluid Mechanics for Energy & Environmental Engineers
- RE 414 Strategic Leadership & Ethics
- RE 314 Biomass Energy

Semester 2

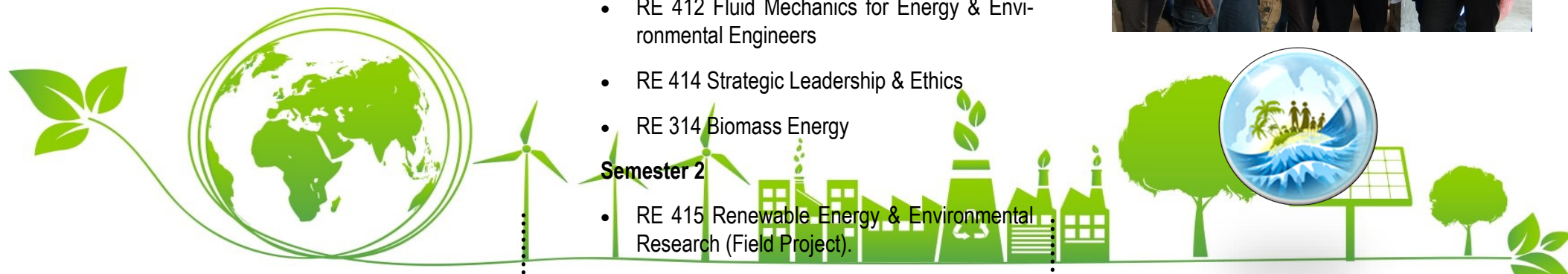
- RE 415 Renewable Energy & Environmental Research (Field Project).



DEPARTMENT OF RENEWABLE ENERGY & ENVIRONMENTAL ENGINEERING

Bachelor in Renewable Energy & Environmental Engineering

Striving Towards Climate Compatible Development.



Degree in Renewable Energy & Environmental Engineering

The Bachelor in Renewable Energy & Environmental Engineering (BREEE) will train and develop professionals who will develop, design, undertake and implement research in renewable energy and environmental solutions in the society.

The program integrates environment and climate change courses in foundation year to equip students with basic understanding on natural climate variability, anthropogenic climate change and climate change impacts, adaptation and mitigation.

In the renewable energy space, students will be taught to design, implement and maintain renewable energy infrastructure such as solar power, hydropower, wind energy and bioenergy systems.

The environmental aspects of the program seeks to develop the skills and knowledge to design and implement environmental solutions such as waste management, water supply systems, waste water treatment, ground-water management and the governance of river basins and watersheds.



Entry Requirements

Applicant must have Grade 12 Higher School Certificate (or equivalent) with grades of A or B in Language & Literature, Maths A, Physics, Chemistry, Biology or another subject preferably Geography. You must have a GPA of 2.8 or higher.

Career Pathways

Graduates of the program can find employment as;

- ⇒ Renewable Energy Specialist
- ⇒ Environmental Engineers
- ⇒ Environment Specialists
- ⇒ Sustainability Officers
- ⇒ Health & Safety Officers
- ⇒ Other related jobs



YEAR 1 (FOUNDATION) COURSES

Semester 1

- STA 114 Communication Skills
- STA 112 Applied Biology
- SIT 114 Information & Communication Technology
- ECH 111 Introduction to Climate Change
- ECH 112 Environmental Health

Semester 2

- SLP 121 Natural Resource Conservation & Utilization
- STA 112 Applied Maths
- STA 121 Applied Physics
- ECH 121 Introduction to Renewable Energy

YEAR 2 COURSES

Semester 1

- RE 211 Geography Information System (GIS) & GPS
- RE 212 Engineering Maths 1
- RE 213 Basic Electrical Engineering
- RE 214 Engineering Chemistry

Semester 2

- RE 221 Environmental Biology
- RE 222 Global Climate Change
- RE 223 Bioenergy
- RE 224 Hydroelectricity Technology & Systems