



Engineering for Sustainability Study Programme

Rhine-Waal University of Applied Sciences | Faculty Technology & Bionics 2025

1

ORIENTATION SEMESTER

Onboarding &
Vocational
Orientation



Working in Labs
& Technical Hubs



Social & Personal
Competence



Strengthening
Logical Thinking



Independent
Group Project

2

PROJECT SEMESTERS

In 2nd semester 5 Individual Projects can be chosen freely from all 9 Centres of Knowledge
In the subsequent semesters, the specialisations are further deepened

Individual
Project A

Individual
Project B

Individual
Project C

Individual
Project D

Individual
Project E

Individual
Project A

Individual
Project B

Individual
Project C

Individual
Project D

Individual
Project A

Individual
Project B

Individual
Project C

Individual
Project A

Individual
Project C

3

4

5

FINAL SEMESTERS

6

Internship / Semester abroad

7

Elective
(free choice)

Applied Research Project

Thesis

Colloquium



CENTRES OF KNOWLEDGE



Business and
Entrepreneurship



Digital Product
Creation



Engineering
Design



Material Strength
and Simulation



Fundamental Science
and Mathematics



Biological
Transformation



Automation
Engineering



Science
Communication



Process Cycles of
Energy and Matter