

Composites

Materials Engineer



Green innovation meets performance

Our Project

Formula Electric Belgium is a student-based race team that pushes green innovation to performance. We design and build our own electric race car each year to participate in international Formula Student competitions. We are looking for pioneers to challenge the status quo and bring our top-notch electric race car to the next level. As a postgraduate student, you will research, design, and test your systems together with a group of highly motivated students. You will innovate together with your team members and numerous companies to develop our next generation formula student race car.

Function

Your role as a **Materials Engineer** will be critical to the success of building the car. You will be responsible for **creating test panels** of different CFRP lay-ups, using test plans in a lab to stress test the panels, and **generating conclusions** from these experiments.

You will also work very closely with the Mono-coque Engineer validating lay-up simulations with your experiment results.

The **strength, stiffness, and reliability** of **several components** will be in your hands. Minimising weight while meeting safety regulations, real-life performance testing and analysis, and results verification will all be important components of your time at FEB. **Iteration is key** — you will need to refine the lay-up repeatedly to ensure it meets the competition rules while achieving the lightest, strongest, and stiffest possible configuration.

Up for the challenge?



Submit your **resume** and **motivation letter** (one page) to
recruitment@formulaelectric.be

Profile

- Bachelor/Master Engineering Science, Engineering Technology or equivalent
- Solid communication skills
- Hands on approach
- Knowledge of composite materials
- Some experience with CAD

Returns

- A unique engineering experience
- Developing your hard- and soft-skills in a company-like environment
- Work with the newest technologies and innovative companies
- Work in a team with a network of well over 120 partners
- A summer season packed with competitions all over Europe
- An experience of a life-time!