

# Driving decarbonization and digitalization. Together.



## Internships, working student position and dissertations at the Warstein site

### Job description

Energy efficiency, mobility, IoT, security - are these topics of the future that excite you? As an innovation hub for the development and production of power semiconductor modules, we look forward to welcoming motivated students who want to put their skills into practice at a world-leading technology company. We offer the full range of opportunities for students: Voluntary or compulsory internships, bachelor's, master's and diploma theses as well as working student activities.

You will support our project teams in the development of modern power semiconductor modules based on silicon and silicon carbide, but also in economic disciplines such as controlling and marketing. You can apply your academic knowledge in the following areas, among others:

#### Focus on electrical engineering

- electrical characterization of semiconductor components
- evaluation and analysis of electrical measurements
- design of electrical circuits
- carrying out electrical simulation
- modeling electrical systems

#### Focus on mechanics and design

- mechanical conception and design of power semiconductor modules
- development of production and automation concepts
- carrying out thermo-mechanical simulations
- modeling of mechanical and thermal systems
- development of cooling concepts for power semiconductor components

#### Focus on materials and reliability

- development of processes and systems for assembly and connection technology
- characterization of materials used in assembly and connection technology
- investigating the fatigue of materials as a result of environmental stresses
- modeling the reliability of power semiconductor modules
- failure analysis and clarification of failure mechanisms of power semiconductor modules
- investigation of insulating and passivating materials

### At a glance

Location:

Job ID: **12348**

Start date: **as soon as possible**

Entry level: **0-1 year**

Type: **Full time / Part time**

Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **12348**

[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

**Katharina Wibberg**

Recruiter

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## Focus on marketing and controlling

- development of technical and commercial product and segment strategies
- planning and implementation of product launch strategies
- market and competition analysis
- price analysis and pricing
- development of communication strategies

## Profile

We are the right match for you if you:

- are currently **studying electrical engineering, physics, mechanical engineering, industrial engineering, materials science, chemistry** or a comparable discipline
- are characterized by your **technical affinity**, your **independent way of working** and your ability to **work in a team**
- can communicate confidently in **German and English**

Please include the following documents in your application:

- curriculum vitae
- certificate of enrollment
- current overview of grades (not older than 6 months)
- school leaving certificate
- for compulsory internships and final theses: Extract from the study regulations governing this module

**Please note** that the application for this position is an **unsolicited application**, i.e. there is no specific position yet. If there is a match, this will subsequently be created for you in the desired department. We ask for your patience in this regard, as once we have received your application, we must first check which department your profile is suitable for. The specialist department will then check a specific job opportunity and will also create the conditions for implementation (including definition of the position, financial approvals, provision of workspace, etc.). Of course, we will endeavor to provide you with an answer to your application as quickly as possible. You will receive final feedback from us after a total period of **6-8 weeks** at the latest.

Would you like to learn more about Infineon's fields of application? Then take a look at our [Discovery Stories](#).

## Benefits

- **Warstein:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Home office options; Part-time work possible (also during parental leave); Sabbatical; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Accessibility, access for wheelchairs; Possibility to work remotely from abroad (EU)

## Why Us



**Driving decarbonization and digitalization. Together.**

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

**- Infineon Warstein is the innovation location with future-oriented jobs related to the energy transition -**

Infineon Warstein is a world-leading R&D and production site for a greener future and is regarded as a driver of research and development within our global group. Here you will find inspiration and potential for the concepts of tomorrow through our power semiconductor modules for rail vehicles, the automotive sector, wind turbines, photovoltaics and industrial drives.

In Warstein, we work together with more than 2,200 people from over 40 nations on international and innovative projects for greater energy efficiency and a green future worldwide.

Everyone is talking about the energy transition - we are looking for people who want to join us in making this possible. Join us in developing the power semiconductor modules of the future from innovative ideas!

