



Science For A Better Life



CropScience  
Business Services

HealthCare  
Industry Services

MaterialScience  
Technology Services

[www.myBayerjob.com](http://www.myBayerjob.com)

Engineers – Technical College/Technical University  
and University of Applied Sciences

Do you have the Bayer Spirit?

Technical Development, Engineering,  
Technical Plant Management, Workshops,  
Sales and Marketing

**Frank Hardebusch**, project engineer, has the Bayer Spirit.  
Do you?

Every day we at Bayer work to make the world a better place, searching for solutions and never giving up. That's the passion that unites us. We call it the Bayer Spirit. If you feel it too, then it's high time we got to know each other.



## What you offer

You should have graduated with exceptional grades in an exceptionally short time, whether you have a PhD or not. A period of foreign study or work experience, the foreign language skills and a broad basic knowledge of engineering are equally important.

You regard a problem as a welcome challenge and work ambitiously towards targeting solutions. You enjoy working in a team, possess excellent communication skills and respond flexibly to new situations. You are mobile and open to foreign assignments. Furthermore, you are able to work independently and take initiative.

## What we offer

Bayer offers engineers top conditions: a modern, innovative working environment infused with the Bayer Spirit, international and interdisciplinary teamwork and excellent career prospects. Engineers can take advantage of numerous development opportunities and apply their own skills to many interesting projects.

## Technical development

As a service provider, you will support the production units by modifying processes to improve existing plants. You will also develop completely new processes (process development) and use reaction kinetics, mathematical models and experimental models to acquire greater process understanding. Alternatively, you may develop new modeling

and process simulation tools and support their use. The newly developed process is subsequently tested in the pilot plant and analyzed for its operational safety, including the I&C parameters on which the safety concept is based. Engineers require creativity and flexibility to detect problems and clarify issues, both theoretically and experimentally, using scientific methods.

## Engineering

This area includes all aspects of the planning of new plants and the expansion and maintenance of existing plants (planning of processes, apparatus, piping, construction, infrastructure and process control technology). These tasks are performed in project teams comprising a team leader and project engineers. Project teams coordinate and process all phases of the planning work such as preliminary planning, draft and approval planning, costing, detailed engineering, procurement, construction/installation and commissioning. During the individual phases you will also consult experts from technical development, process and plant safety, environmental protection and many other organizational units. As a "plant planner" you should have excellent teamworking skills in addition to technical expertise.



**Areas of work for engineers**

Plant engineering, plant operation and optimization, infrastructure and site master planning, building and laboratory planning, technical development, materials engineering, process modeling and simulation, process development and optimization, process control engineering, process analysis engineering, logistics planning, sales and marketing

**Technical plant management**

Around half of all our engineers work in technical plant management or plant operation and optimization. The range of tasks is shaped by the constantly changing conditions and demands placed on modern production processes. Cost-effectiveness, safety, ecology and product quality are some of the key factors involved. As a supporting plant engineer you will be responsible for ensuring the maximum possible availability of the production units and also for compliance with guidelines and regulations relating to environmental protection and occupational safety. Other major tasks include process improvements and investment planning.

**Further areas of employment**

Engineers are also employed in workshops, communication technology, sales and marketing, BP&A and administrative departments.

**Development opportunities**

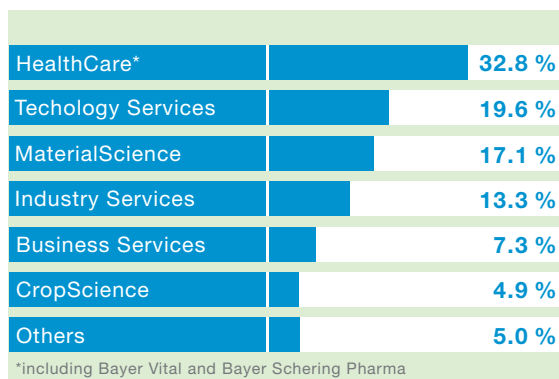
Engineers with university degrees or technical college diplomas usually begin in technical development and engineering (project engineering) with a defined set of responsibilities. This may be followed by job rotation to production-related areas in Germany or abroad.

**Are you interested in joining Bayer?**

Send us your application documents online or contact us to find out more.

**Engineering disciplines**

- Mechanical Engineering
- Process Engineering
- Electrical Engineering
- Chemical Engineering
- Civil Engineering
- Energy and Utilities Engineering
- Physical Engineering
- Industrial Engineering
- Plastics Engineering
- Bioprocess Engineering
- Automation Engineering and Materials Engineering
- Packaging Engineering
- Pharmaceutical Engineering



**Areas of employment for engineers** in Bayer's subgroups and service companies. Total: approx. 2,500 (March 2007)



## Start out on a sound basis

Bayer offers engineers a wide range of employment opportunities, primarily in technical development, technical plant management and project engineering. Positions exist in our Healthcare, CropScience, MaterialScience and Technology Services subgroups in Leverkusen, Wuppertal, Monheim, Krefeld-Uerdingen, Dormagen and Berlin.

The main tasks for engineers include the planning, erection and maintenance of safe technical plants that ensure chemical processes are performed in a cost-effective and environmentally-compatible manner; the development of new processes and technologies; and assignments in workshops, communications technology, sales and marketing and BP&A and administrative departments.

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