



## ABOUT THE PROGRAMME

*Looking for one-of-a-kind programme at a world-renowned biotech pioneer?*

**At TUDelft you can apply your technical knowledge to projects with key companies in the biotech industry at a doctorate level.**

Our Engineering Doctorate programme in Bioprocess Engineering will give you a solid foundation for your career as a Bioprocess designer. You'll also gain project management skills and business knowledge so that you can evaluate the implementation of developed processes in an industrial environment. There's plenty of room for personal development too. Our programme will help you boost your independence, creativity and critical thinking—all crucial skills in the innovative interdisciplinary field of biochemical engineering.

[tudelft.nl/engd/bpe](http://tudelft.nl/engd/bpe)

Duration	24 months
Credits	120 ECTS
Language	English
Salary	€2,618 per month



*“As Programme Director of the Bioprocess Engineering EngD post master’s programme, I can highly recommend this two years programme to both ambitious bio chemical engineering Master students as well as the Biotech industry.*

*Students can boost their career by following deepening and broadening courses in the area of bioprocess design in close relation to industry.*

*As a result, our EngD candidates become a valuable asset for biotech industry by translating academic knowledge into industrial application”*

*Prof. Marcel Ottens  
Programme Director*



## THE LEARNING PROCESS

In your first year, you'll take some mandatory courses including economic evaluation and project management and your choice of advanced courses in fermentation technology, microbiology, downstream processing, environmental biotechnology or biocatalysts. You'll also contribute to a group design project. During your second year, you'll work on an individual design project carried out in, or in close collaboration with, a partner in the biotech industry.

Working in our state-of-the-art facilities, you'll become a team player who can hold their own in any international setting. Day-to-day, you'll find yourself in a close-knit group that our trainees affectionately call their "international family". This will teach you how to navigate multicultural environments, a very useful skill in today's increasingly global job market. If all goes well, this two-year position will lead to a Doctorate in Bioprocess Engineering. This expertise is in demand and you'll enjoy great prospects for a professional international career in all facets of bioprocess development.

### Application Deadline

For September start	1 May
For February start	1 October



**Raquel Dias**  
Manufacturing  
Process Specialist  
Janssen Biologics

I can highly recommend this program. The 2-year traineeship allowed me not only to deepen my knowledge in bioprocessing by following academic courses, but also to bridge the gap between academia and industry, with a 1-year internship at a company.

For my Individual Design Project (IDP), I had the amazing opportunity to work within Janssen Biologics BV, with the main goal of developing capacity models for the production facility.

The EngD is a complete program, that also allows us to develop important soft skills, like teamwork, communication, management of stakeholders, critical approach, leadership, among others. After the program, I am still using all these skills every day in my work as a Manufacturing Process Specialist in Janssen Biologics BV. I am certain that the EngD not only gave me the necessary boost to continue my career in the industry world in the Netherlands, but also helped me build a good network and have visibility in the company.

## REQUIREMENTS

Keen on European work experience, you speak excellent English, and you have an open, creative mind and a critical attitude.

The programme welcomes applications from well-qualified students who have successfully completed 5 years of university training (MSc. Ir, Drs):

- You must hold an MSc degree in (Bio-)Chemical Engineering, Bioprocess Engineering, Environmental or Food technology, or comparable, with excellent results.
- We expect an interdisciplinary attitude, an eye for application of technology in industry and team skills.



### Further information:

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