

**Computer Science**



# **ENGINEER YOUR TOMORROW**

**Semester in Germany for  
Computer Scientists**



# Study a Semester Abroad for Computer Scientists in the Metropolitan Area Ruhr

You are an **international** advanced bachelor's degree student, and you are thinking of **studying abroad in Germany**?

Look no further! Our joint 30 ECTS Program for Computer Scientists enables you to study at **three universities at the same time** in the Metropolitan Area Ruhr: Bochum University of Applied Sciences (*Hochschule Bochum*), Fachhochschule Dortmund - University of Applied Sciences and Arts (*Fachhochschule Dortmund*) and Westphalian University of Applied Sciences (*Westfälische Hochschule*).



**HIGHER  
EDUCATION  
ALLIANCE  
RUHR**

## Metropolitan Area Ruhr

### 3 Universities / 4 Locations

- Dortmund
- Bochum
- Gelsenkirchen
- Bocholt



# Discover the Heartbeat of German Industry

The Higher Education Alliance Ruhr is a consortium of universities of applied sciences in the Metropolitan Area Ruhr consisting of Bochum University of Applied Sciences, Fachhochschule Dortmund University of Applied Sciences and Arts as well as Westphalian University of Applied Sciences. They cooperate in various fields, seeking to strengthen their international visibility, networking, and exchange opportunities as well as the mobility of their students, lecturers, researchers, and staff. The goal of the university alliance is to promote cross-border, intercultural exchange as well as international competences to prepare students for an international career.

The Higher Education Alliance Ruhr enables students to choose from a broader range of offers, to set an individual focus in their studies and look beyond their own horizons.



# HELLO

Hallo

## What is the 30 ECTS Program?

The program is open to **international undergraduate students in Computer Science**. It offers a unique international experience in that it facilitates the intercultural exchange between students and increases your interdisciplinary knowledge. Your career prospects will certainly get a boost. Students enroll at one of the three universities but can also attend modules at the other two universities.

**All courses are in English.** At the heart of the program, there are the subject-specific courses in computer science on the **bachelor level**, offering you an insight into the expertise of the three universities. Optional interdisciplinary courses and seminars in foreign languages are yet another opportunity to set you up for an overall comprehensive learning experience.



**FORM**

## These are your benefits:

- You will have the opportunity to study not only at one, but **three reputable German universities** of applied sciences.
- You choose from a broader selection of elective modules available **in English** language.
- You expand your **network** by exchanging with students and lecturers from three universities of applied sciences.
- You experience an excellent **connection between science and practice**. Our universities focus on firsthand learning and have cooperations with **well-known local companies**, thus paving the way for your future employability
- At our host universities we offer **individual, personal support** in small groups.
- You will benefit from affordable costs of living. We have among the most **affordable housing** in Germany and a **well-developed public transportation network**.
- You will find leisure activities for every taste: The Metropolitan Area Ruhr caters for football enthusiasts as well as **culture cultures** alike.
- The geographical location in the **heart of Europe**, near three international airports, offers you an easy arrival and departure.

# YOUR FUTURE



# AMIDST GERMAN INNOVATION



## How does it work?

You apply at one of the three universities as an incoming international student. You enroll as a **cross-registered** student at the other two universities and can choose modules from their teaching curricula as well. Your exam achievements from the other two universities will count at your **host university** as all three are part of the same Higher Education Alliance Ruhr.

Hochschule Bochum  
Bochum University  
of Applied Sciences



Fachhochschule  
Dortmund  
University of Applied Sciences and Arts



Westfälische  
Hochschule

Gelsenkirchen Bocholt Recklinghausen  
University of Applied Sciences



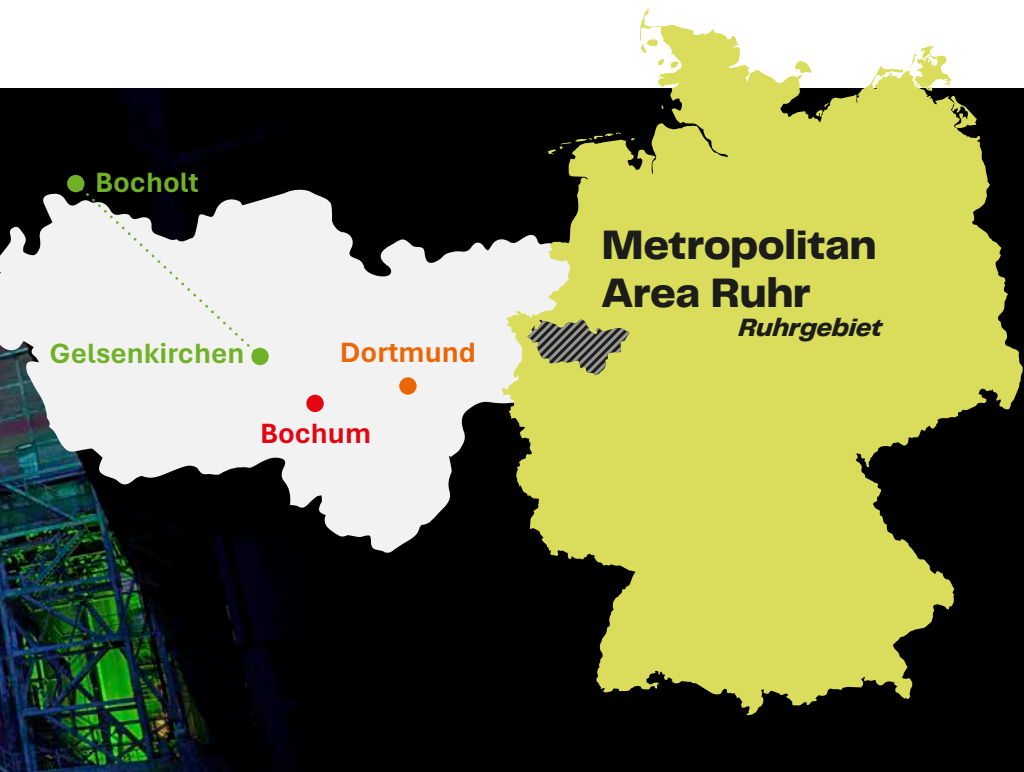
**WHERE  
ENGINEERING  
DREAMS TAKE  
FLIGHT**

## Program Location

The 30 ECTS Program takes place at the three largest Universities of Applied Sciences in the Metropolitan Area Ruhr.

- Hochschule Bochum (HS BO)
- Fachhochschule Dortmund (FH DO)
- Westfälische Hochschule (WH)  
with its campuses in Gelsenkirchen  
and in Bocholt

Please note that you may need to commute between the universities. Your semester ticket will enable you to **shuttle easily** and **budget friendly** as well as sustainably between the **different cities** and universities.



## Schedule

All **important dates**, such as nomination deadlines, application deadlines, lecture periods and more, can be found **on our website**:

- [www.hochschulallianz.ruhr/initiativen/internationalisierung/schedule/](http://www.hochschulallianz.ruhr/initiativen/internationalisierung/schedule/)



While **choosing modules** for your learning agreement, don't forget to **check our module manual**.

Feel free to browse through the module manual for further semesters as an exemplary range of courses:

- [www.hochschulallianz.ruhr/initiativen/internationalisierung/studium-und-lehre-international/study-in-the-ruhr-area-on-a-30-ects-program/#how-work](http://www.hochschulallianz.ruhr/initiativen/internationalisierung/studium-und-lehre-international/study-in-the-ruhr-area-on-a-30-ects-program/#how-work)



**COMMUNICATION  
AND COMPUTER  
NETWORKS**

**COMPUTER  
GRAPHICS**

**INTRODUCTION  
TO ROBOTICS**

**PRACTICAL  
SECURITY ATTACKS  
AND EXPLOITATION**

**PARALLEL PROGRAMMING**



## How to Score

During your exchange semester, you usually need to **complete around 30 ECTS** to get the full semester abroad recognized at your home university. The ECTS (European Credit Transfer and Accumulation System) is a European system for the recognition, transfer and accumulation of **academic achievements** in higher education. One ECTS point corresponds to around 25-30 hours of learning.

A **learning agreement** outlining your study plan and your academic activities during your semester abroad will be signed by you, the exchange student, your home university, and your host university here in the Metropolitan Area Ruhr. This way we ensure that your study abroad is **academically coherent** and that you will **receive recognition** for your successfully completed courses abroad.



**IGNITE YOUR  
ENGINEERING  
PASSION**

# Contact Information



## program coordinator:

For further information about our 30 ECTS program, please contact our program coordinator. Feel free to schedule a video call.

✉ [study@hochschulallianz.ruhr](mailto:study@hochschulallianz.ruhr)

## international offices

For further information concerning the nomination process at your respective partner university in our alliance, please contact the respective international office:

### **Bochum University of Applied Sciences**

✉ [incoming@hs-bochum.de](mailto:incoming@hs-bochum.de)

### **Fachhochschule Dortmund –**


### **University of Applied Sciences and Arts**

✉ [erasmus@fh-dortmund.de](mailto:erasmus@fh-dortmund.de) (for EU students)

✉ [exchange-students@fh-dortmund.de](mailto:exchange-students@fh-dortmund.de) (for non-EU students)

### **Westphalian University of Applied Sciences**

✉ [exchange.students@w-hs.de](mailto:exchange.students@w-hs.de)







**HIGHER  
EDUCATION  
ALLIANCE  
RUHR**

**Higher Education Alliance Ruhr  
Bebelstraße 20  
44623 Herne  
Germany**

**[hochschulallianz.ruhr/study-here](https://hochschulallianz.ruhr/study-here)**

**Hochschule Bochum**  
Bochum University  
of Applied Sciences



**Fachhochschule  
Dortmund**  
University of Applied Sciences and Arts



**Westfälische  
Hochschule**  
Gelsenkirchen Bocholt Recklinghausen  
University of Applied Sciences

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