STUDYING IN THE NETHERLANDS

WANT TO STUDY IN A SAFE AND FRIENDLY ENVIRONMENT? SOAK UP THE INNOVATIVE AND ENTREPRENEURIAL SPIRIT OF ONE OF THE WORLD'S MOST COMPETITIVE ECONOMIES? LIVE IN A COUNTRY WHERE EVERYONE SPEAKS ENGLISH? COME AND STUDY IN THE NETHERLANDS!

Contact our Indonesian Representative for more info, to apply, or to book a Counseling Session:
+62 813-8880-0069 (WhatsApp)

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

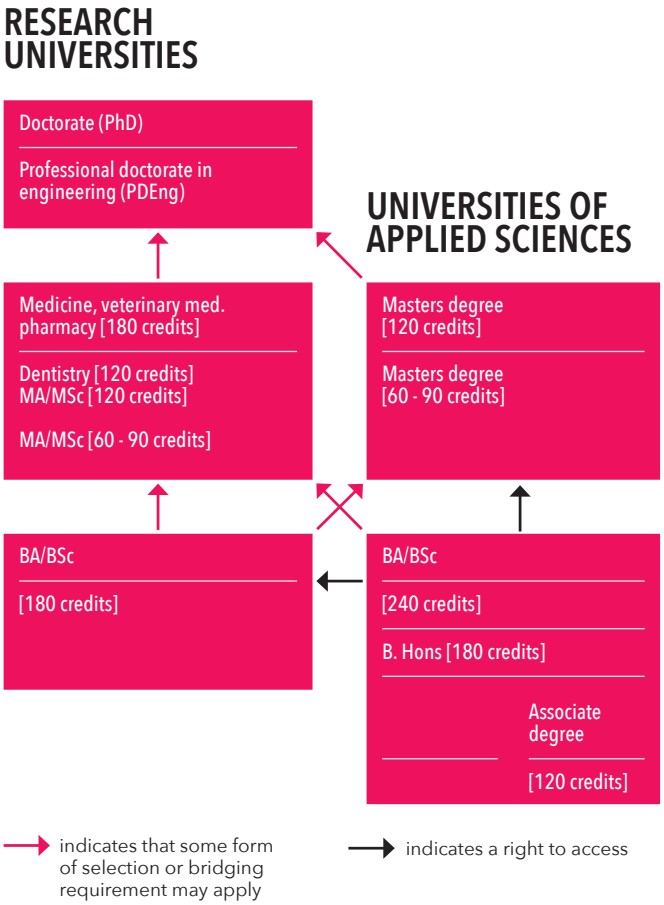
ABOUT THE NETHERLANDS

Or is it Holland? Whichever name you use, one thing is certain. With over 170 nationalities, it's a very multicultural society. Over 122,000 foreign students study here each year. That makes Holland the perfect place for sharing knowledge, ideas and cultures. It's also a very safe country. In fact, it is one of the 25 safest countries in the world.

The Dutch character? Open, friendly and direct. Almost everyone speaks English along with another foreign language, like German or French. So you don't have to learn Dutch to study here. As a foreign student you'll notice how welcoming and tolerant the Dutch are. This mentality has been engrained in the Dutch culture throughout its rich, international history.

What else can we tell you about this small but lively country? It has a strong and stable economy. And a highly innovative, entrepreneurial climate. In fact, Holland is the 4th most competitive economy in the world. No wonder economics is the most popular area of study for foreign students. Second most popular? Science and technology.

DUTCH EDUCATION SYSTEM



WWW.HAN.NL/ENGLISH

STUDYING AT HAN

GRADING SYSTEM

The Dutch grading system ranges from 1 (very poor) to 10 (outstanding). The grades 1-3 are hardly ever awarded and 9 and 10 are very rare. The table below explains the Dutch grading system and how grades are awarded at HAN.

Dutch grades	Letter grades	Definition	Successful students awarded this grade
8.0 – 10.0	A	Excellent	10%
7.0 – 7.9	B	Very good	25%
6.4 – 6.9	C	Good	30%
5.8 – 6.3	C	Satisfactory	25%
5.5 – 5.7	E	Pass	10%

STUDY COACHING AND COUNSELLING

We want you to truly benefit from studying at HAN. To achieve the best possible results. That's why we offer study coaching throughout all years of study. What is study coaching? It's about helping you find effective ways to study. Supporting you in making choices about your future career. Guiding you in your personal development.

You'll meet your study coach at the start of your studies. This is the first person you go to when you have questions. Questions about your study program. Or about personal matters. We also have counsellors if you need to discuss financial matters. Or complaint and appeal procedures. Need to discuss more serious personal matters? Then you can contact one of our confidential counsellors.

HAN CAMPUS ARNHEM
Ruitenberglaan 31
6826 CC Arnhem
Netherlands

HAN CAMPUS NIJMEGEN
Kapittelweg 33
6525 EN Nijmegen
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QUESTIONS?
HAN Information Center
+31 24 353 05 00
info@han.nl
www.han.nl/english

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OUR PROGRAMS

BACHELOR

- Chemistry
- Communication
- Electrical and Electronic Engineering
- Embedded System Engineering
- International Business
- Intl' Social Work
- Life Sciences
- Mechanical Engineering
- Automotive Engineering

MASTER

- Engineering Systems
  - Control Systems
  - Automotive Systems
  - Embedded Systems
  - Sustainable Energy
- Molecular Life Sciences
- Circular Economy

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BACHELOR 2023-2024

CHEMISTRY

WOULD YOU LIKE TO TEST FOR POLLUTANTS IN THE ENVIRONMENT? ANALYZE WHAT'S IN THE FOOD WE EAT? MONITORING THE QUALITY OF EVERYDAY PRODUCTS? SOUNDS LIKE YOU? SIGN UP FOR A REWARDING SCIENCE CAREER AND STUDY CHEMISTRY AT HAN.

WWW.HAN.NL/CHEMISTRY

OPEN UP NEW HORIZONS.

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YOUR FUTURE

With a Chemistry degree your place of work will be the laboratory. Your focus? Analytical chemistry. In other words, the composition of materials and how their chemistry changes under certain conditions. Scientists in this field analyze and develop new products. Think of food, medicines and plastics. You can also work in organic and polymer chemistry.

There are lots of jobs in chemistry in the Netherlands. Even more than graduates. You could work in the pharmaceutical or food industry. Companies like Shell or Akzo-Nobel. Or at a hospital or environmental agency. What about an independent research institute like the Netherlands Food and Consumer Product Safety Authority? Anything is possible.

JOBS

With this degree, you can get a job as:

- Research Assistant
- Chemical Technician
- Junior Project Leader

A GOOD MATCH?

- Are you good at chemistry?
- Do you have solid maths skills?
- Are you accurate and hard working?
- Can you work both independently and in a team?
- Are you someone who doesn't give up easily?
- Are you actively involved in your community/society?
- Do you like solving puzzles?

YES? Then the program is a good match for you!

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+62 882 1283 1969 (Eri)
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Facebook: studi di belanda
Email: des@cbn.net.id
office@duabangsa.com

ASTP TALENT PROGRAM

Show your chemistry talent in the 1st year and join the Analytical Sciences Talent Program! The ASTP runs for 3 years alongside your regular study. You get to interact with leading companies and research institutes. Work in the most advanced laboratories. Selected? Then you receive a scholarship.

PROGRAM IN BRIEF

THEORY AND PRACTICE

Theory and practice are inseparable at HAN. You get a solid theoretical foundation in all the current research topics in chemistry. At the same time, you dive straight into practice in the lab. Here you work together with your classmates on projects. Projects that deal with real problems in the chemistry field. HAN collaborates with companies and research institutes in the Netherlands and abroad, so you get to work on the most innovative research projects. Build up valuable experience. Boost your problem-solving skills. Become a great team player. These are important qualities that employers look for.

SPECIALIZATION

In your 3rd year you specialize in analytical or organic chemistry. You work on projects for companies and focus on practice-based research.

COURSE OVERVIEW

1st year

- General chemistry
- Analytical chemistry
- Organic chemistry
- Polymer chemistry
- Biology
- Laboratory practice
- Mathematics
- Laboratory calculations
- Physics

2nd year

- Organic chemistry
- Analytical chemistry
- Polymer chemistry
- Laboratory practice
- Mathematics

3rd year

- Specialization in analytical or organic- and polymer chemistry
- Internship or minor

4th year

- Internship or minor
- Graduation project

BACHELOR 2023-2024

COMMUNICATION

LOOKING FOR AN INTERNATIONAL CAREER IN MARKETING, ADVERTISING OR PUBLIC RELATIONS?
STUDY COMMUNICATION AT HAN.
HANUNIVERSITY.COM/ COMMUNICATION

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION_

Communication professionals are the voice of organizations. They interact with various target groups using different forms of verbal, visual and (online) media. The target groups?

- Customers and clients.
  Aim? To promote products or services. That means you work on marketing communication.
- Employees.
  Aim? To ensure everyone is on the same page. That requires effective internal communication. Sometimes combined with behavior change communication.
- Partners, shareholders, government, the community.
  Aim? To foster cooperation and support. That's all about external communication.

JOBS

With this degree, you can get a job as:

- (Junior) Marketing Communication Manager
- International Advertising Account Manager
- Public Relations Specialist
- Spokesperson
- International Brand Manager
- Social Media Manager

A GOOD MATCH?

- Are you open to your direct surroundings and the world in general?
- Are you inquisitive?
- Are you interested in current affairs and trends?
- Are you interested in other people and in communicating with them?
- Do you enjoy convincing others of your ideas?

YES? Then the program is a good match for you!

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INTERNATIONAL SCHOOL OF BUSINESS

Communication is taught at HAN's International School of Business. A renowned business school in the Netherlands. Our aim? To give you a high-quality and engaging business education. Inspire you to learn and grow. Both during your studies and beyond. So, no matter what the future holds, you will succeed in any business setting.

PROGRAM IN BRIEF

THEORY AND PRACTICE

At HAN University of Applied Sciences, theory and practice go hand in hand. First you dive into the theory. Then you put it into practice. Giving you not only the knowledge but also the skills and experience to deal with real communication issues.

HAN works closely with the professional field. What that means for you? You get to solve real communication problems and work on real international cases. During the program, you embark on challenging group projects for external clients. Make a digital magazine. Devise an integrated communication plan. Be creative while using the latest evidence-based practices.

PROGRAM OVERVIEW

1st year

- Persuasive Communication
- Marketing Communication and Branding
- Digital Marketing
- Research in Communication
- Essentials of an Organization
- Creating Content
- Introduction to Public Relations
- Intercultural Awareness
- Problem Solving and Decision Making
- Personal and Professional Development
- Business Communication
- Dutch/French/German/Spanish

2nd year

- Communication in International Marketing
- Business Communication
- Media Production, Design and Branding
- Research: Customer Journey
- Organization in Change
- Personal and Professional Development
- Electives
- Dutch/French/German/Spanish

3rd year

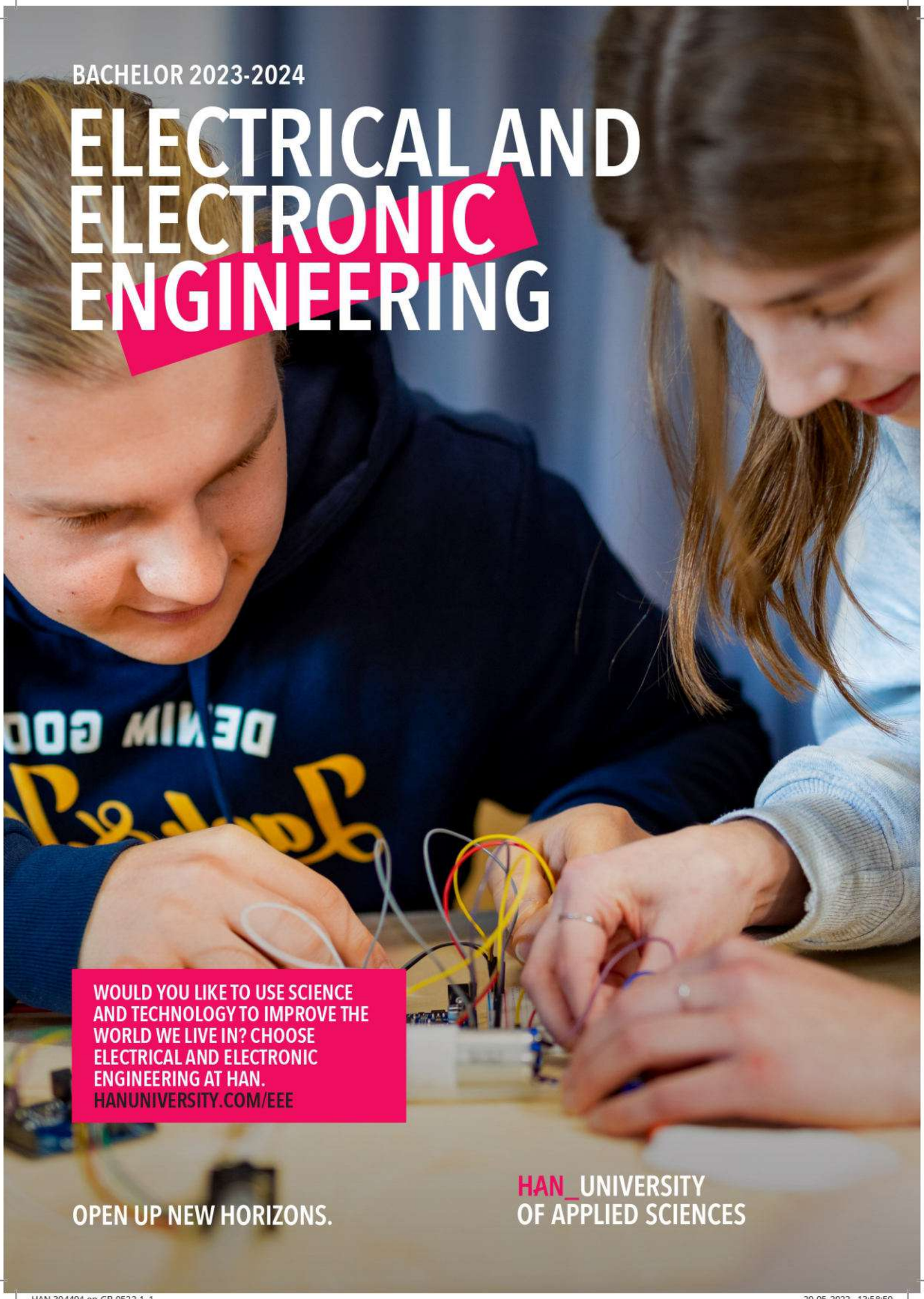
- Study Abroad
- Internship (Abroad)

4th year

- Personal Development and Research Project
- Integrated Marketing Communications
- Public Relations
- Internal Communication
- Design Thinking
- Creative Execution
- Graduation Internship

BACHELOR 2023-2024

ELECTRICAL AND ELECTRONIC ENGINEERING



WOULD YOU LIKE TO USE SCIENCE AND TECHNOLOGY TO IMPROVE THE WORLD WE LIVE IN? CHOOSE ELECTRICAL AND ELECTRONIC ENGINEERING AT HAN.
HANUNIVERSITY.COM/EEE

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION

Electrical and Electronic Engineering has many practical applications. Think of healthcare, the automotive industry or sustainable energy. As a specialist in Industrial and Power Systems (IPS), you design smart solutions in industrial automation.

In this profession you often work in a team with other engineers and people from other disciplines. Where you'll work? In the commercial or public sector. Possible industries? Product manufacturing. Electro-technical companies. Healthcare industry. Food processing. The energy sector. The list goes on.

JOBS

With this degree, you can get a job as:

- Hardware Engineer
- Industrial Automation Engineer
- Power Engineer
- Lead Engineer
- Advisor
- Team Leader
- Service Engineer
- Technical Engineer
- Project leader
- Consultant

A GOOD MATCH?

- Are you interested in science and technology?
- Do you like investigating how things work?
- Do you like working with other students?
- Do you have a good feel for trends in new technologies?
- Doyou want to know how to create safe and sustainable designs?

YES? Then the program is a good match for you!

For more information, contact us at:
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+62 811-144-283 (Eri)
+62 882 1283 1969
Instagram: @kuliah.dibelanda
Facebook: studi di belanda
Email: des@cbn.net.id
office@duabangsa.com

PROGRAM IN BRIEF

At HAN theory and practice are inseparable. Right from the start of the program you put theory into practice in loads of innovative projects. What's more, you have the freedom to choose the projects you like. HAN works in close collaboration with the Dutch energy world. What that means for you? You get to work on real projects for real companies. A few examples:

- Build your own electronics: Power Supply and Time-Phased Machine
- Design a smart energy system based on a micro controller

PROGRAM OVERVIEW_

1st year

Electrical Engineering Fundamentals

- Mathematics
- Electrical Circuits
- Measuring Lab

Electrical Design

- Sustainable Electricity Grid
- Magnetism and Transformers
- Mechanics and Electrical Machines

Electronic Design

- Electronic Semiconductor Components
- Microcontroller Programming

Projects

- Range of interesting projects to choose from
- Workshops: Network Simulation
- Workshops: Printed Circuit Board design and Realization
- Workshops: Research Methods
- Professional Skills

2nd year

Electronics Design, Systems and Signals

- Electronics
- Control Systems
- Data Communication

Power Systems

- Power Electronics and Inverters
- Electrical Drives and Machines
- Distribution and Low Voltage Grid

Industrial Control Systems

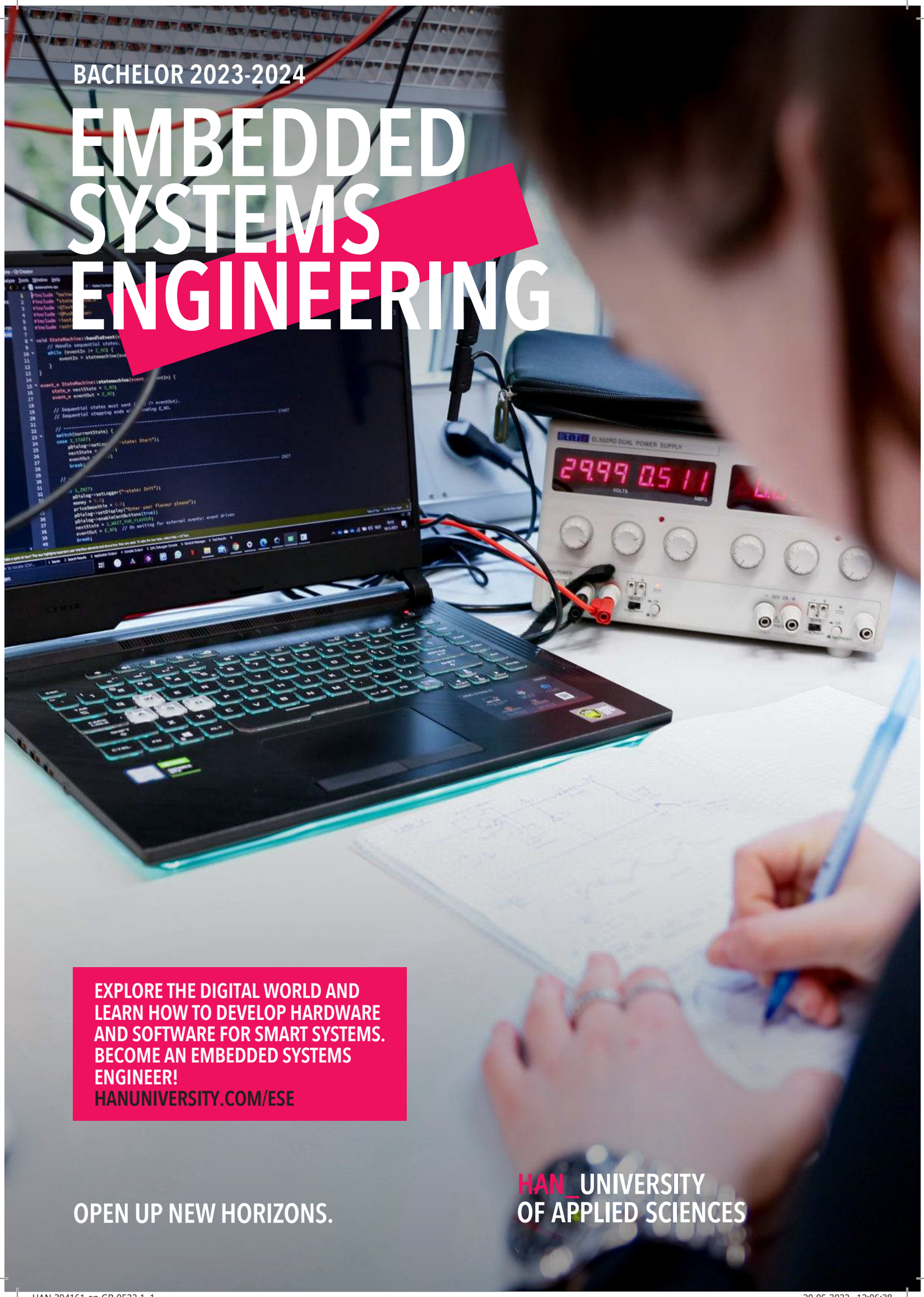
- Systems Modelling
- Advanced & Servo Control
- Discrete Event Systems
- Industry 4.0

3rd year

- Internship
- Systems Modelling
- Advanced & Servo Control
- Discrete Event Systems
- Industry 4.0

4th year

- Minor
- Graduation Project



BACHELOR 2023-2024

EMBEDDED SYSTEMS ENGINEERING

EXPLORE THE DIGITAL WORLD AND LEARN HOW TO DEVELOP HARDWARE AND SOFTWARE FOR SMART SYSTEMS. BECOME AN EMBEDDED SYSTEMS ENGINEER!
HANUNIVERSITY.COM/ESE

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION

You'll be able to develop smart embedded systems for innumerable applications. A smart cane for the visually impaired. A medical system for instant diagnosis of diseases. A smart thermostat with geofencing. Or a wireless fire detection sensor network to help firefighters do their work.

As an embedded systems engineer, you'll definitely get a challenging, international job. This program gives you the opportunity to work for a wide variety of companies in different sectors. Think about: agriculture, healthcare, internet of things, marine or machine building. Employers are waiting for you!

JOBS

With this degree you can get a job as:

- Embedded software/hardware developer
- Embedded hardware specialist
- Embedded software specialist
- Real-time software developer
- Product development engineer
- Service engineer

A GOOD MATCH?

- Are you analytical and do you have problem-solving skills?
- Do you value working in a team?
- Do you have an eye for detail and like working precisely?
- Are you always curious about how things work?
- Do you like rolling up your sleeves and working in a practical setting?
- Would you like to design, create and test new products and systems?
- Are you interested in using modern technologies to improve new designs?

YES? Then the program is a good match for you!

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Facebook: studi di belanda
Email: des@cbn.net.id
office@duabangsa.com

PROGRAM

The program for Embedded Systems Engineering is technology driven. You learn to keep up with the latest developments. And equally important: you put it into practice. From the very start of the program. So when you graduate you're an engineer with lots of relevant experience.

Throughout your studies, you work with your classmates in project teams. You also get the chance to work with professionals from the field.

THEORY AND PRACTICE

At HAN University of Applied Sciences, theory and practice are closely linked. Throughout your studies you're constantly challenged apply the theory in projects. Projects like developing an autonomous vehicle. Developing a climate controller for an incubator. Or developing an interface for a coffee machine.

COURSE OVERVIEW

1st year

Embedded Hardware Engineering

- Mathematics
- Electrical Networks
- Electronics
- Digital circuits

Embedded Software Engineering

- C and C++ programming
- 8-bit Microcontrollers
- Cortex-M Microcontrollers

2nd year

Embedded Hardware Engineering

- Data communication
- Digital Systems Design

Embedded Software Engineering

- Software design with Unified Modelling Language (UML)
- Real-time operating systems
- Digital control systems
- Security
- Databases

3rd year

Smart Embedded Systems

- Internet of Things (IoT)
- Digital Signal Processing
- Artificial Intelligence
- Internship

4th year

- Minor
- Graduation Project

BACHELOR 2023-2024

INTERNATIONAL BUSINESS

ARE YOU BUSINESS-MINDED AND NOT AFRAID OF TAKING INITIATIVE? THEN INTERNATIONAL BUSINESS AT HAN COULD BE THE PERFECT MATCH FOR YOU!
HANUNIVERSITY.COM/IB

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY
OF APPLIED SCIENCES

PROFESSION

International Business prepares you for a global and dynamic career. Discover new markets. Design online marketing campaigns. Travel. Negotiate with clients. Analyze data. It's all in a day's work for International Business graduates.

Your career? Start in entry or trainee positions. Then work your way up to middle and senior management positions. You'll be looking at a job in your area of specialization. So finance, organization & change, marketing & sales or supply chain management. What kind of company? Any international company or innovative firm. In any sector.

JOBS

With this degree, you can get a job as:

- (Junior) International Marketing Manager
- Change Manager
- Business Consultant
- (Junior) International Sales Manager
- Financial Analyst
- Marketing Consultant
- Export Manager
- Supply Chain Manager
- Account Manager

A GOOD MATCH?

- Are you commercially inclined?
- Are you open-minded toward people from other cultures?
- Can you deal well with change?
- Are you driven to be the best?
- Do you take the initiative?

YES? Then the program is a good match for you!

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INTERNATIONAL SCHOOL OF BUSINESS

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PROGRAM IN BRIEF

THEORY AND PRACTICE

The International Business program gives you the theory. And much more. You get the opportunity to put your knowledge and skills to the test. Constantly. HAN's programs are renowned for their seamless integration of theory and practice. That's because we work in close collaboration with the professional field. What that means for you? You get to work on real projects for real companies. Work on team projects together with 4 or 5 of your classmates. Work out your plan. Do the research. Report on your findings.

SPECIALIZATIONS

→ Finance

Help companies thrive financially. How? By monitoring the finances. And reporting on your findings to management.

→ Organization & Change

Support and advise companies in the process of change. In dealing with the changes. And implementing them.

→ Marketing & Sales

Expand into new markets abroad. Improving existing international sales. Research customer needs and market opportunities.

→ Supply Chain Management

Ensure items move in the right direction at the right time. From the raw materials, through production, to the end user.

PROGRAM OVERVIEW

1st year

- Marketing & E-business
- Intercultural Awareness
- Dutch/Spanish/French/German
- Finance & Accounting
- Change Management
- Supply Chain Management
- Digital Innovation
- Research
- Problem Solving and Decision Making

2nd year

- Dutch/Spanish/French/German

Depending on your specialization, your courses include:

- Finance: Accounting and Finance, Advanced Financial Accounting and Reporting
- Organization & Change: Internal Change, Organizational Change
- Marketing & Sales: International Marketing Management Strategies, Selling and Sales Consulting
- Supply Chain Management: Sustainability in the Supply Chain, Lean Six Sigma

3rd year

- Study Abroad
- Internship

4th year

- Courses in your specialization
- Research Project
- Graduation Internship

BACHELOR 2023-2024

INTERNATIONAL SOCIAL WORK

EMPOWER PEOPLE AND COMMUNITIES. BUILD CONNECTIONS. CONTRIBUTE TO A MORE HEALTHY AND INCLUSIVE GLOBAL SOCIETY. START MAKING A DIFFERENCE TODAY AND SIGN UP FOR INTERNATIONAL SOCIAL WORK AT HAN!
HANUNIVERSITY.COM/ISW

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY
OF APPLIED SCIENCES

PROFESSION

International Social Work at HAN trains you to work together with local communities in an international setting. You work systematically and with proven methods. Setting up projects. Liaising with local and international contacts. Connecting people. Your aim? To empower the individuals and communities you work with. So that they become more resilient and self-reliant.

The world today is more connected than ever. Changes in one country have a direct effect on the rest of the world. That's why it's so important to have knowledge of human rights, the problem of poverty, and climate change. That's where you as a social worker come in. You empower communities to tackle such issues from the ground up. Always in collaboration with the involved parties. And always in a sustainable manner.

JOBS

- Social worker
- Social-cultural worker
- Youth worker in a multicultural community
- Social worker in a refugee camp
- Project leader in community development
- Social project developer for victims of natural disasters

A GOOD MATCH?

- Are you interested in global themes and issues?
- Would you like to contribute to improving the world?
- Do you find it important to have a career that's meaningful?
- Do you like working with people from different cultures?
- Are you keen on travelling and are you adventurous?
- Are you a good team player?

YES? Then the program is a good match for you!

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office@duabangsa.com

BROAD NETWORK

HAN has been running the Dutch-taught social work degree for many years now. So we've built up a broad network. We collaborate with health care organizations. Community organizations. Government bodies. And partner universities. In both the Netherlands and abroad. We're also linked to the International Federation of Social Workers and the International Association of Schools of Social Work.

PROGRAM IN BRIEF

THEORY AND PRACTICE

Theory and practice are closely linked at HAN. Your lecturers guide you through all the current research on international social work. At the same time, you dive straight into practice. Allowing you to apply the methodologies you learn in a real work setting.

In your 1st year you work as an intern for 1 day a week. Where? At an internationally-oriented organization in the Netherlands. From your 2nd year your internship intensifies in time, complexity and responsibility. And you go abroad for this. So you'll have plenty of opportunities to put what you've learned into practice. In real communities.

SPECIALIZATION

Social work is a very broad field. When you graduate from this program, you'll be specialized in Community Development and Inclusive Society.

PROGRAM OVERVIEW

1st year

- Introduction to Social Work Theory
- Psychology & Pedagogy
- Theories on Communities
- Critical and Ethical Considerations
- Target-Group Analysis
- Development of Social Participation
- Community Development
- Contacting Target Groups
- Individual and Group Counselling
- Creative Skills
- Professional Writing Skills
- Profile Building and Presenting
- Internship (one day a week)

2nd year

- Empowerment in Social Work
- Voluntary and Involuntary Contexts
- Psychology & Sociology
- Guiding Groups
- Network Development
- Motivational Interviewing
- Social Research
- Social Technology
- Creative Skills
- Internship (two days a week during 2 months)

3rd year

- Specialization Program: Community Development & Inclusive Society
- Internship
- Social and Participatory Action Research (on location)

4th year

- Social and Participatory Action Research (on location)
- Elective Minor Program

BACHELOR 2023-2024

LIFE SCIENCES

WOULD YOU LIKE TO USE SCIENCE TO IMPROVE THE WORLD WE LIVE IN? STUDY LIFE SCIENCES AT HAN AND GET A SOLID FOOTING IN THIS EXCITING FIELD.

HANUNIVERSITY.COM/LIFESCIENCES

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY
OF APPLIED SCIENCES

PROFESSION

Are you ready to improve the health of people, plants and the environment? Do you want to culture cells in the lab? Or be part of research that helps us understanding diseases better?

Life Sciences at HAN gives you the skills and understanding to perform lab research. That could be fundamental research or applied research. You can specialize in molecular plant biology, biomedical research biotechnology or neuro-immunology. Your practical experience combined with your scientific knowledge and skills make you a valuable asset to a wide range of employers.

As a Life Sciences graduate, you can work in either the commercial or private sector. This could be at a research institute, a hospital, a health agency or at a biotech or pharmaceutical company. The type of work? Researching diseases. Designing new drugs. Plant research. Checking product quality.

JOBS

With this degree, you can get a job as:

- Research Assistant
- Assay Development Scientist
- Junior Project Leader/Lab Manager
- Technical Sales Specialist
- Biomedical Analyst
- Microbiological Analyst
- Biotechnological Analyst
- Analyst in Molecular Plant Biology

A GOOD MATCH?

- Are you interested in molecular biology and DNA?
- Are you good at chemistry and maths?
- Did you enjoy doing experiments in school?
- Are you interested in bio-based materials?
- Do you want to work on a more sustainable world?
- Do you like the idea of working in a lab?
- Are you accurate and hard working?

YES? Then the program is a good match for you!

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Facebook: studi di belanda
Email: des@cbn.net.id / office@duabangsa.com

HAN BIOCENTER

This degree is linked to the HAN BioCenter. The research focus here is biodiscovery. So everything from the discovery, analysis and production to the application of biomolecules. Which means things like proteins and metabolites. Work on projects with classmates and staff. Find answers to actual questions from industry. Discover!

PROGRAM IN BRIEF

THEORY AND PRACTICE

Theory and practice are closely linked at HAN. Your lecturers guide you through all the current research topics in life sciences. At the same time, you dive straight into experiments in the lab where you spend on average 8 hours per week. The experiments are sometimes performed individually or in a small group of 3-4 students, but most often you will work together with your labpartner.

HAN works closely with companies and research institutes in the Netherlands and abroad. What does that mean for you? You get to work on cutting-edge research projects. Gain invaluable experience. And build on your problem-solving and communication skills.

SPECIALIZATION

At the end of the 2nd year, you're ready to choose your specialization. Your options are:

- Molecular Plant Biology
- Biomedical Research
- Biotechnology
- Neuro-immunology

PROGRAM OVERVIEW

1st year

- Cell Biology
- Molecular Biology
- Biochemistry
- Microbiology
- Chemistry
- Laboratory Calculations
- Bioinformatics
- Mathematics
- One-day mini internship

2nd year

- Biochemistry
- Molecular Biology
- Bio-informatics
- Microbiology
- Plant Biology
- Immunology
- Human Biology
- Histology
- Cytology

3rd year

- Internship or Elective

Choose your specialization in:

- Biomedical Research
- Molecular Plant Biology
- Biotechnology
- Neuro-immunology

4th year

In the 4th year you follow an elective or do an internship, depending on the path you choose in the 3rd year. You will finalize your studies with a graduation internship.

BACHELOR 2023-2024

MECHANICAL ENGINEERING

WOULD YOU LIKE TO DESIGN AND CONSTRUCT THE SUSTAINABLE MACHINES OF THE FUTURE? SIGN UP FOR MECHANICAL ENGINEERING AT HAN.

HANUNIVERSITY.COM/ME

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY
OF APPLIED SCIENCES

PROFESSION

The engineering profession has many faces. You could be designing roller coasters for amusement parks. Creating installations for a complicated manufacturing process. Or re-designing powertrains to run on biofuel. It's all possible with a mechanical engineering degree.

Learn how to use technology to increase machine performance parameters. In anything from huge cranes to the smallest micromechanical applications in healthcare. Develop your designing skills to let energy systems run on the smallest amount of energy possible. Or to run on renewable energy. Apart from the energy side of things? You'll dive into steering and control, cost-efficient design and human-machine interfaces. In short, you're choosing a broad, multidisciplinary field.

JOBS

Choose from a wide range of positions. In some jobs you can get your hands dirty and in others you can keep them clean in the CAD design studio. What appeals to you?

With this degree, you can get a job as:

- Constructional Engineer
- Product Designer
- Energy Systems Engineer
- Product and Service Engineer
- Project Leader
- Production Manager
- Sales Engineer

A GOOD MATCH?

- Do you like taking things apart to discover how they work?
- Do you enjoy repairing things?
- Are you able to solve problems in mathematics and physics?
- Are you eager to learn about new technologies?
- Do you have a good feel for trends in user-friendly technology?
- Are you interested in mechanics and sustainable energy applications?
- Do you like making sketches of designs?

YES? Then the program is a good match for you!

For more information, contact us at:
Whatsapp: +62 813-8880-0069 (Pritha)
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office@duabangsa.com

PROGRAM IN BRIEF

THEORY AND PRACTICE

Applying theory in practice is crucial for 2 reasons. First, it helps you understand complex ideas. Second, it gives you valuable practical experience. That's why already in the 1st year you start working on design projects in small groups. Take the principles of construction. First you learn the theory, then you put it into practice. How? By creating a windmill, a wind-driven vehicle or a healthcare application. Later in the program you work on more complex, real-life projects in engineering companies. Projects with an international dimension. That could be a heat pump and thermal energy system design. An industrial transport application. Or a machine redesign.

PROGRAM OVERVIEW

1st year

- Mathematics
- Statics, Dynamics, Mechanics of Materials
- Constructional Components
- Materials Science and Engineering
- Production Techniques
- 3D Computer Aided Design
- Project Work, Workshop Production
- Thermodynamics, Fluid dynamics
- Energy Systems Engineering
- Sustainable Energy Techniques
- Electrical Engineering
- Programmable Logic Controllers
- Research Skills
- Professional Skills

2nd year

- Dynamics
- Additive Manufacturing
- Constructional Principles
- Design and Analysis Techniques
- Finite Elements Method and Motion
- Motors and Drives
- PLC and LabVIEW Programming
- Advanced Mathematics
- Law and Regulations
- Combustion Principles
- Air Conditioning Techniques
- Solar and Wind Energy
- Systems Modeling
- Multidisciplinary Projects

3rd year

- Modeling and Simulation
- Integral Design
- Design Techniques for a Production Facility
- Smart Production, Internet of Things
- Capita Selecta Mechanical Engineering
- Product Optimization
- Team Management and Leadership Skills
- Internship

4th year

- Minor
- Graduation Assignment (mostly within an international company)

BACHELOR 2023-2024

AUTOMOTIVE ENGINEERING

DO YOU HAVE A PASSION FOR CARS AND TECHNOLOGY? WANT TO BE PART OF THE TRANSITION TO CLEAN, EFFICIENT AND INTELLIGENT VEHICLES? STUDY AUTOMOTIVE ENGINEERING AT HAN.

HANUNIVERSITY.COM/AE

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION

As a graduate of Automotive Engineering at HAN, you're a versatile professional. You have specific automotive engineering skills. Like designing, testing, managing, producing and maintaining vehicles. At the same time, you can relate technology to other aspects of business. To marketing, management and business economics. This makes you the ideal linking pin between a wide range of disciplines.

Where you might work? Anywhere in the international automotive industry. You could be active in R&D, manufacturing or sales. Keen to explore the opportunities? HAN Automotive organizes an annual career day where you can meet up with over 40 different companies!

JOBS

With this degree, you can get a job as:

- Vehicle Development/Test Engineer
- Engine Development/Test Engineer
- Designer
- Product Manager
- Warranty Reclaim Manager
- Customer Relations Manager

A GOOD MATCH?

- Are you passionate about automotive engineering?
- Are you technically inclined?
- Are you interested in motor vehicles and mechanical engineering?
- Do you enjoy working with other people?
- Are you open to change?

YES? Then the program is a good match for you!

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PROGRAM IN BRIEF

THEORY AND PRACTICE

At HAN University of Applied Sciences, theory and practice are closely linked. In the automotive engineering program, you're constantly challenged to apply the theory to practical problems. Like deciding on the best kind of engine for a kart. Electric, combustion or hybrid?

Throughout the degree you work on team projects in groups of 6-8 students. Together you investigate future mobility concepts. The HAN Formula Student Team is one example. First you build a formula race car. Then you compete against teams from all over the world. Another example is the HAN Eco-marathon, where you develop an energy-efficient vehicle.

SPECIALIZATION

The first 3 semesters of the program give you a solid foundation in all the disciplines within automotive engineering. In your 4th semester (2nd year) you start to specialize. Choose from various fields of expertise:

- Business Management
- Manufacturing
- Powertrain
- Structural Design
- Vehicle Technology
- Vehicle Electronics and Control

PROGRAM OVERVIEW

1st and 2nd year

Disciplines within the automotive engineering:

- Mathematics
- Mechanics & CAD
- Thermos & Flow
- Saving Energy in a Vehicle
- Project: Tuning 4 Business
- Project: Fun to Drive & Efficient
- Making it Sell
- Build My Company
- Controlling a Spark Ignition Engine
- Calculating & Packaging Components
- Designing Electric-Hydraulics
- Analyzing Vehicle Systems
- Controlling a Compressed Ignition Engine
- Presenting like a Pro

2nd year

In the 2nd semester of your 2nd year you choose to specialize in one of the fields of expertise.

3rd year

- Internship
- Research semester in your chosen specializations

4th year

- Minor
- Graduation Assignment

MASTER ENGINEERING SYSTEMS 2023-2024

CONTROL SYSTEMS

WANT TO BECOME AN EXPERT ON THE ADVANCED REGULATING SYSTEMS USED IN INDUSTRY? APPLY FOR THE MASTER IN CONTROL SYSTEMS.

HANUNIVERSITY.COM/MCSE

OPEN UP NEW HORIZONS.

HAN_ UNIVERSITY OF APPLIED SCIENCES

PROFESSION

The work of a control systems engineer? In short, researching, designing, developing, producing and evaluating control systems. What's the added advantage of a master degree? You also have the skills to effectively manage projects. To balance engineering, economic and commercial interests. And you have the technical know-how to realize and evaluate all control strategies and embedded electronic systems.

Where you can work? Anywhere in the technical sector. In higher education, at research institutes or R&D departments of companies across the globe. In fact, in the border region between the Netherlands and Germany, engineers with expertise in control systems are in high demand.

JOBS

With this master degree, you can get a job as:

- Control and Instrumentation Engineer
- Lead Engineer Control Systems
- Gas Turbine Control Systems Senior Project Engineer
- Process Modeling and Simulation Engineer

A GOOD MATCH?

- Are you looking to take your engineering expertise to the next level?
- Are you interested in control systems and how to design and develop them?
- Do you want to broaden your career opportunities?
- Are you analytical and do you enjoy doing applied research?
- Do you want to develop your leadership qualities?

YES? Then the program is a good match for you!

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MODULAR-BASED PROGRAM

Engineering Systems is modular-based. You follow 4 modules in total and conclude with a major project. Each module starts with the theory. Then you participate in a group project where you apply the theory in a real-life case. This is called the minor project. The modules you follow depend on your track. Each track has compulsory and elective modules.

PROGRAM IN BRIEF

THEORY AND PRACTICE

Theory and practice are closely integrated in this master degree. In the 1st year you follow practice-based modules. First you delve into the theory. Then you put it into practice during minor projects. Here you work in small groups with other students. Your aim? To solve actual issues from industry. So knowledge and techniques from fundamental research are implemented and applied in an industrial environment. This collaborative approach strengthens ties with industry. And stimulates the exchange of knowledge. In the 2nd year you work on your major project.

TRACKS

Control Systems is a track within the Master of Engineering Systems. Other tracks are:

- Automotive Systems
- Embedded Systems
- Sustainable Energy

What is common to all these tracks? Solving complex problems through applied research. And developing innovations that meet the needs of the market and/or society.

PROGRAM OVERVIEW

1st semester

Systems Modeling Module:

- Applied Physics
- Introduction to Modeling
- Practice Modeling and Simulation
- System Identification
- Energy-based Modeling
- Minor Project

Applied Control Module:

- Feedback Control
- Digital Control
- Apply Controller Strategies
- Controller Implementation
- Multivariable Systems and Optimization
- Minor Project

2nd semester

Choose 2 elective modules from:

- Advanced Controller Design
- Big Data & Small Data
- Distributed Systems

3rd semester

- Major Project

MASTER ENGINEERING SYSTEMS 2023-2024

AUTOMOTIVE SYSTEMS

THE AUTOMOTIVE INDUSTRY FACES ENORMOUS CHALLENGES. APPLY FOR THE MASTER IN AUTOMOTIVE SYSTEMS AND START WORKING ON THE SOLUTIONS!

HANUNIVERSITY.COM/MAS

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION

Designing, developing, producing and evaluating vehicle systems and components. In short, the profession of an automotive engineer. What does a master qualification add to this skill set? Technical expertise at master level in the field of automotive engineering. Applied research skills, so the ability to conduct research in an industrial setting. The ability to balance technical interests with economic and commercial interests. And the expertise to evaluate and realize underlying control strategies and embedded electronic systems.

Where you can work? At internationally operating automotive companies and suppliers. The border region between the Netherlands and Germany has excellent career opportunities. With your project management and applied research skills, you'll be in high demand.

JOBS

With this master degree, you can get a job as:

- Vehicle Application Engineer
- Product Engineer
- Test Engineer R&D
- Advanced Research Engineer
- System/CAE Engineer

A GOOD MATCH?

- Do you want to expand and deepen your knowledge of automotive engineering?
- Do you want to raise your knowledge and skills to master level?
- Would you like to be the linking pin between different disciplines and management?
- Do you want to develop your leadership qualities?
- Are you keen to further develop your skills in intercultural teamwork?
- Are you analytical and do you enjoy doing applied research?

YES? Then the program is a good match for you!

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MODULAR-BASED PROGRAM

Engineering Systems is modular-based. You follow 4 modules in total and conclude with a major project. Each module starts with the theory. Then you participate in a group project where you apply the theory in a real-life case. This is called the minor project. The modules you follow depend on your track. Each track has compulsory and elective modules.

PROGRAM IN BRIEF

THEORY AND PRACTICE

Theory and practice go hand in hand in this master degree. In the 1st year you follow practice-based modules. So you delve into the theory and at the same time put it into practice during minor projects. Here you work in small groups with other students. Your aim? To solve actual issues from the industry. Knowledge and techniques from fundamental research are thus implemented and applied in an industrial environment. This collaborative approach strengthens ties with industry and stimulates the exchange of knowledge. In the 2nd year you work on your major project. That's when you independently conduct research for a company.

TRACKS

Automotive Systems is a track within the Master of Engineering Systems. Other tracks are:

- Control Systems
- Embedded Systems
- Sustainable Energy

What is common to all these tracks? Solving complex problems through applied research. And developing innovations that meet the needs of the market and/or society.

PROGRAM OVERVIEW

1st semester

Systems Modeling Module:

- Applied Physics
- Introduction to Modeling
- Practice Modeling and Simulation
- System Identification
- Minor Project

Applied Control Module:

- Feedback Control
- Digital Control
- Apply Controller Strategies
- Controller Implementation
- Multivariable Systems and Optimizations
- Minor Project

2nd semester

Choose 2 elective modules from:

- Advanced Vehicle Dynamics
- Innovations in Powertrains
- Smart Infrastructure
- Smart Vehicles
- Sustainable Fuel Engines and Emissions
- Hydrogen Technology

3rd semester

- Major Project

MASTER ENGINEERING SYSTEMS 2023-2024

EMBEDDED SYSTEMS

LEARN HOW TO MODEL COMPLEX DYNAMIC SYSTEMS AND HOW TO DESIGN AND TEST SOFTWARE. STUDY EMBEDDED SYSTEMS AT HAN.

HANUNIVERSITY.COM/MESE

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION

What are the tasks of an engineer in this field? Designing, developing, producing and evaluating all kinds of intelligent systems and smart devices. A master degree adds to this skill set with expertise in applied research and project management. In most cases you work in a team with other engineers and professionals from other disciplines. Developing innovative electronic products using microcontrollers. Or developing the electronic hardware and software for high-tech products.

The curriculum for this program is based on constant interactions with our industrial partners. Our applied research focuses on their needs and their interests. This puts you at the forefront of innovation. And gives you outstanding employment opportunities.

JOBS

With this master degree, you can get a job as:

- Embedded Systems Architect
- Real-Time Systems Engineer
- Embedded Software Engineer

A GOOD MATCH?

- Do you want to broaden your career opportunities?
- Do you enjoy working with engineers and people from other disciplines?
- Are you analytical and do you enjoy doing applied research?

YES? Then the program is a good match for you!

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MODULAR-BASED PROGRAM

Engineering Systems is modular-based. You follow 4 modules in total and conclude with a major project. Each module starts with the theory. Then you participate in a group project where you apply the theory in a real-life case. This is called the minor project. The modules you follow depend on your track. Each track has compulsory and elective modules.

PROGRAM IN BRIEF

THEORY AND PRACTICE

Theory and practice go hand in hand in this master degree. In the 1st year you follow practice-based modules. First you delve into the theory. Then you put it into practice during minor projects. Here you work in small groups with other students. Your aim? To solve actual issues from industry. So knowledge and techniques from fundamental research are implemented and applied in an industrial environment. This collaborative approach strengthens ties with industry. And stimulates the exchange of knowledge. In the 2nd year you work on your graduation project. That's when you independently conduct research for a company.

TRACKS

Embedded Systems is a track within the Master of Engineering Systems. Other tracks are:

- Automotive Systems
- Control Systems
- Sustainable Energy

What is common to all these tracks? Solving complex problems through applied research. And developing innovations that meet the needs of the market and/or society.

PROGRAM OVERVIEW

1st semester

Systems Modelling Module:

- Applied Physics
- Introduction to Modelling
- Practice Modelling and Simulation
- System Identification
- Energy-based Modelling
- Minor Project

Applied Control Module:

- Feedback Control
- Digital Control
- Apply Controller Strategies
- Controller Implementation
- Multivariable Systems and Optimizations
- Minor Project

2nd semester

Choose 2 elective modules from:

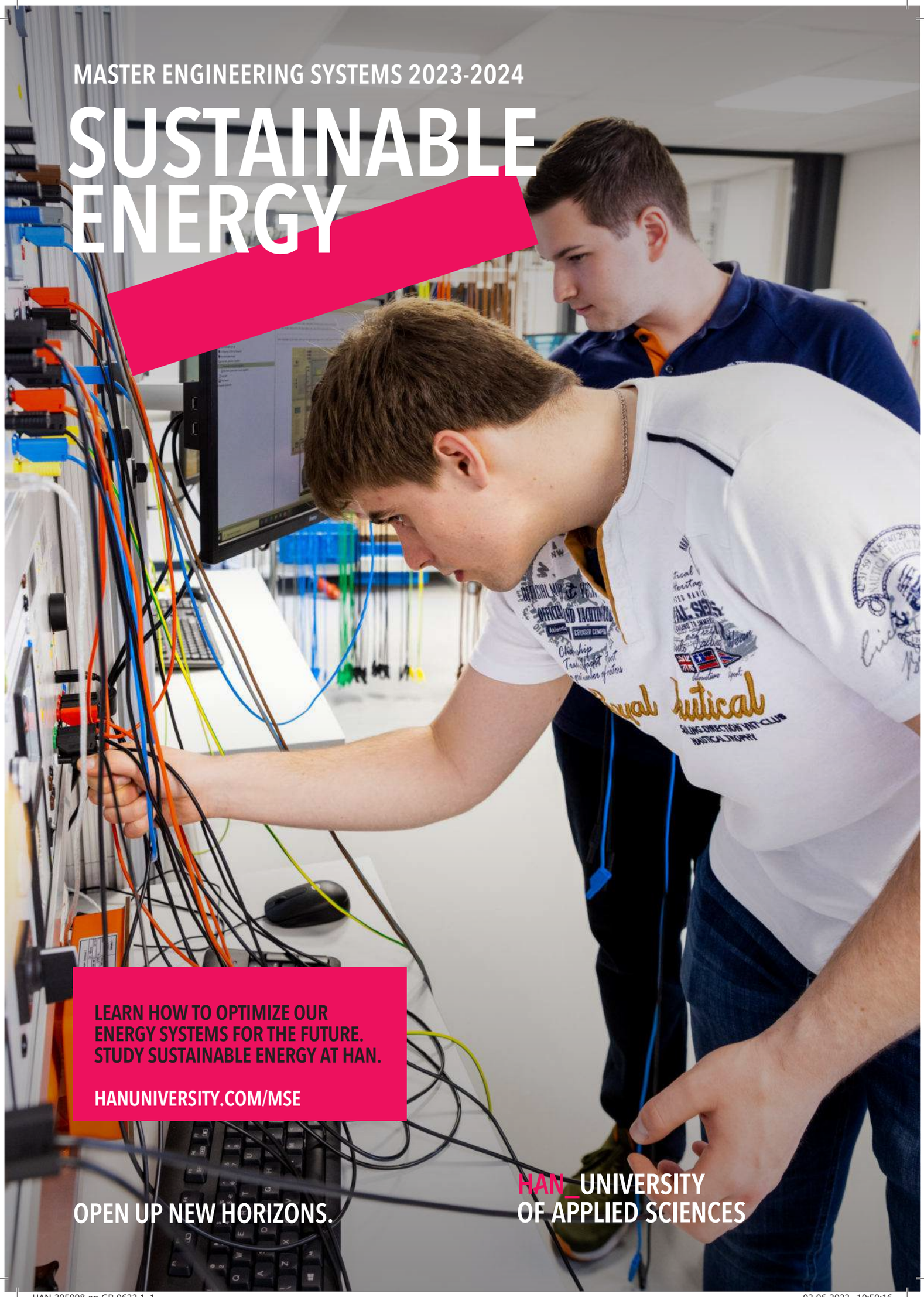
- Advanced Controller Design
- Big Data & Small Data
- Distributed Systems

3rd semester

- Major Project

MASTER ENGINEERING SYSTEMS 2023-2024

SUSTAINABLE ENERGY



LEARN HOW TO OPTIMIZE OUR ENERGY SYSTEMS FOR THE FUTURE. STUDY SUSTAINABLE ENERGY AT HAN.

HANUNIVERSITY.COM/MSE

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION

As an energy systems engineer, you have an active role in the transition towards a sustainable energy system. Your job? Developing the technology, models and smart control for sustainable energy systems. Systems that generate, store or distribute energy. Locally. Regionally. Nationally. Even internationally.

Where you'll work? At SMEs, grid operators, energy providers or government bodies. Work on developing innovative energy systems. Or play a role in maintaining the energy balance on a national or international scale.

JOBS

With this master degree, you can get a job as:

- Energy Engineering Analyst
- Renewable Energy Asset Manager
- Energy System Engineer
- Energy Consultant

A GOOD MATCH?

- Are you looking to take your engineering expertise to the next level?
- Are you interested in sustainable and renewable energy systems?
- Do you enjoy doing applied research to solve complex problems?

YES? Then the program is a good match for you!

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MODULAR-BASED PROGRAM

Engineering Systems is modular-based. You follow 4 modules in total and conclude with a major project. Each module starts with the theory. Then you participate in a group project where you apply the theory in a real-life case. This is called the minor project. The modules you follow depend on your track. Each track has compulsory and elective modules.

PROGRAM IN BRIEF

THEORY AND PRACTICE

Theory and practice go hand in hand in this master degree. In the 1st year you follow practice-based modules. First you delve into the theory. Then you put it into practice during minor projects. Here you work in small groups with other students. Your aim? To solve actual issues from industry. So knowledge and techniques from fundamental research are implemented and applied in an industrial environment. This collaborative approach strengthens ties with industry. And stimulates the exchange of knowledge. In the 2nd year you work on your graduation project. That's when you independently conduct research for a company.

TRACKS

Sustainable Energy is a track within the Master of Engineering Systems. Other tracks are:

- Automotive Systems
- Control Systems
- Embedded Systems

What is common to all these tracks? Solving complex problems through applied research. And developing innovations that meet the needs of the market and/or society.

PROGRAM OVERVIEW

1st semester

Systems Modeling Module:

- Applied Physics
- Introduction to Modeling
- Practice Modeling and Simulation
- System Identification
- Energy-based Modeling
- Minor Project

Applied Control Module:

- Feedback Control
- Digital Control
- Apply Controller Strategies
- Controller Implementation
- Multivariable Systems and Optimizations
- Minor Project

2nd semester

Sustainable Energy Systems Module:

- Sustainable Energy Technology
- Innovations in Sustainable Energy
- Modelling, Designing and Testing Sustainable Energy Systems
- Energy System Integration
- Social and Economic Principles of Energy Systems
- Technological Advances in Sustainable Energy and Policy

Choice of the following modules:

- Smart Power Supply
- Hydrogen Technology

3rd semester

- Major Project

MASTER 2023-2024

MOLECULAR LIFE SCIENCES

ARE YOU LOOKING TO EARN A MSC AND BROADEN YOUR CAREER OPTIONS IN THE FIELD OF BIO-SCIENCE? APPLY FOR MOLECULAR LIFE SCIENCES AT HAN.
HANUNIVERSITY.COM/MMLS

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY OF APPLIED SCIENCES

PROFESSION

This master focusses on applied research and product development in the bioscience sector. The degree gives you the skills to independently plan, organize and execute projects. To do this efficiently, you learn to devise experimental strategies and write scientific documents. And to oversee the organizational and interpersonal aspects of your projects.

Where you'll work? Any area of the bioscience sector. In pharmaceuticals, diagnostics, personal health care, the food and feed industry. Universities, hospitals and private research institutes. The opportunities are endless.

JOBS

With this master degree, you can get a job as:

- (Junior) Project Leader
- Lab Manager
- Researcher

You can also move on to a PhD.

A GOOD MATCH?

- Do you have a bachelor degree in molecular life sciences, biotechnology or similar?
- Are you looking for more knowledge, skills and responsibility?
- Are you interested in both the science and organizational aspects of bioscience projects?
- Would you like to translate fundamental knowledge into practical applications, such as drugs or diagnostics?

YES? Then the program is a good match for you!

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WORKPLACE LEARNING

Workplace learning is an integral part of this master degree. In the full-time option you're an intern for the duration of the program. In the part-time option you're already employed. Your workplace must be suitable for completing the assignments. We collaborate with the professional field to create internship positions for full-time candidates. It's also possible to arrange your own internship position.

PROGRAM IN BRIEF

THEORY AND PRACTICE

A hallmark of learning at HAN is the integration of theory and practice. This comes about through close collaboration with the professional field. In this case, the bioscience sector. In fact, for the entire duration of this degree, you work as an intern or employee at a company or research institute. So you continually work on projects that contribute to the actual development of bioscience products. Discovering new targets or drugs. Optimizing protein production and purification. Developing and validating diagnostic tests. Put your knowledge straight into practice!

PROGRAM OVERVIEW

Module 1: Fundamentals
This module refreshes your basic knowledge and skills in the field of molecular life sciences. Each week you work on concrete assignments focused on molecular biology, cell biology, biochemistry, statistics and bio-informatics. You discuss the assignments with your lecturers and fellow students.

Module 2: Drug Development
This module follows the entire drug development process. This starts with the discovery of a suitable target for a medicine in a cell or organism. The process continues right up to the testing of a new medicine in pre-clinical studies. The module includes an online component on pharmaceutical chemistry, part of a master degree at the University of Florida.

Module 3: Production of Biomolecules
Here you learn about the efficient production of biomolecules for various industrial applications. You write and present project proposals for the production of enzymes and microbial oil. You also investigate the consequences of GMP requirements and the opportunities of Quality by Design for your production strategy.

Module 4: Vaccines and Diagnostics
In this module, you write a proposal for a new vaccine and you validate a new diagnostic test. You will base your strategy on scientific aspects, like the pathogenesis and the subsequent immune response. You will also take into consideration practical aspects and quality guidelines.

Module 5: Research and Product Development Skills (Workplace Learning)
In module 5 you develop your research skills in the context of your internship or workplace. You also learn how to write a literature review, a scientific report and a business case.

Module 6: Managing Projects (Workplace Learning)
Module 6 is about successfully managing projects. You write a complete project proposal and improve your interpersonal skills.

Module 7: Graduation Project
The final step in your program: the graduation project. Here you combine all the knowledge and skills you've picked up in the program. At your internship or workplace you plan and execute your own project, focussing both on scientific and project management choices.

MASTER 2023-2024

CIRCULAR ECONOMY

OUR PATTERNS OF PRODUCTION AND CONSUMPTION NEED TO CHANGE NOW. AS A CHANGE AGENT, YOU SEE THE OPPORTUNITIES BUSINESSES HAVE TO TURN THE TIDE. LEAD THIS TRANSITION WITH THE INTERNATIONAL MASTER IN CIRCULAR ECONOMY.
HANUNIVERSITY.COM/MCE

OPEN UP NEW HORIZONS.

HAN_UNIVERSITY
OF APPLIED SCIENCES

PROFESSION

Companies and organizations want and need to operate more sustainably – that is beyond dispute. The big question is: how? As a graduate of the international master in Circular Economy, you know how to tackle sustainability issues in an international setting. You also know how to inspire people, understand intercultural issues and motivate people. Along the entire chain. You'll be the change agent who helps international companies transition to a circular economy to tackle sustainable business challenges.

CAREER PROSPECTS

With this master degree, you can get a job as:

- Change agent at an advisory company or agency
- Sustainable business operations manager
- Sustainability, climate, and waste recycling advisor
- Circular economy policy officer

A GOOD MATCH?

- Do you have excellent transformational leadership skills?
- Do you have a keen interest in intercultural challenges?
- Do you know how to reach the desired insights through outstanding research skills?
- Do you know how to solve problems through design thinking?
- Can you use your communication and advisory skills to persuade others?

Yes? Then this program is a good match for you!

DESIGN YOUR INDIVIDUAL STUDY PLAN

The program is designed so it can partly be adapted to your specific needs. Both in knowledge and skills. For example, in the 2nd semester you can choose from a range of elective subjects. This allows you to choose the subjects that support you best in your particular line of research.

PROGRAM IN BRIEF

THEORY AND PRACTICE

A hallmark of learning at HAN is the integration of theory and practice. This comes about through close collaboration with the professional field. No fictional projects, but real problems that companies and organizations are facing today.

An important part of this master is the practical research problem you work on for the entire year. You'll be well equipped for the task through theory lessons, skills training and time spent in the Innovation Workplace.

PROGRAM OVERVIEW

The international master in Circular Economy comprises 2 semesters. What you learn during these semesters depends partly on your practical research problem and your needs.

Semester 1

In the 1st week, you visit leading companies and projects. That's where you gain insights into the societal and political-economical background of sustainability. After this, you explore the six capitals of value creation for sustainability. These are: financial, manufactured, intellectual, human, social and relationship, and natural. In pairs, you start working on your practical research problem with an analysis of the organization.

Topics:

- Sustainability of the Global System
- Social Order and Systems
- Global Ecosystems and Transitions
- Multiple Value Creation and the Six Capitals Model
- Integrated Thinking

Semester 2

In this semester you follow various lectures and workshops, go on an excursion and hold consultation meetings with experts. You continue to work on your practical research problem for a company. In this project, you use design thinking and give advice based on your theoretical knowledge and gained skills. The direction of your project partly determines which subjects you follow this semester.

Elective subjects:

- Design Thinking
- Moral Deliberation
- Business and Revenue Models
- Transformation Leadership

BUILDING ON YOUR PROFESSIONAL EXPERIENCE

In just one year, you gain a wealth of knowledge and practical experience. You work on real sustainability issues in an international context. And you gain experience helping companies and organizations become "future-proof".

- ➜ Learn and work together with an international team of students, lecturers and professionals from the field.
- ➜ Share knowledge with fellow students who have different areas of expertise through their undergraduate studies.
- ➜ Learn from the broad and varied practical experience of your lecturers.
- ➜ Benefit from our broad international network.
- ➜ Expand your intercultural knowledge with first-hand insights from your fellow students with diverse international/cultural backgrounds

WHY STUDY CIRCULAR ECONOMY AT HAN?

Unique master:
The only professional international master in the Netherlands in the field of circular economy

Multidisciplinary teamwork
Students from different cultures and disciplines work together with international companies in the region.

Transformational leadership
You don't just learn what needs to happen to achieve sustainability goals. You learn to bring this transition to fruition.

Connection to the professional field
You work in the co-creation of real products and processes for international clients in the region.

Practice-based research
You learn to analyze international organizations and effectively implement change, working together with the professional field.

Personal guidance
Small classes ensure you get plenty of personal attention.

Design your individual study plan
Part of the program is designed so it can be adapted to your specific needs in knowledge and skills.

RESEARCH

The HAN Multiple Value Creation Center has an extensive international network in the region. Companies and organizations from this network come to us with real sustainability problems. The very problems you'll be researching in the Innovation Workplace. There you'll work with your fellow students, researchers and professionals from the field. Together you'll explore solutions to make the transition from linear to circular, while developing your skills as a change agent.

ADMISSION REQUIREMENTS

- You need to have a bachelor degree in the Economy or Engineering field.

Fluency in English:

- IELTS 6.5, TOEFL 80, or Cambridge Certificate CAE/CPE or equivalent.
- Depending on your educational background, an English proficiency test may be required.

Professional suitability
Limited places, selection process will take place based on:

- Motivation letter
- CV
- (Online) Interview

hanuniversity.com/admission

"This master is a good example of tailor-made education. Each of us has a say in the subject choices throughout the year, depending on our backgrounds. It's definitely not "one size fits all".

SASKIA GROENENDIJK, MASTER OF CIRCULAR ECONOMY STUDENT

OPEN DAYS

Interested in Circular Economy? Or our other programs? Join one of our Online Open Days. Talk to our students. Ask all your questions. Get a tour through our campuses and much more!
Hanuniversity.com/openday

NEXT STEPS IN ORIENTATION

Interested in studying at HAN University of Applied Sciences? Want to find out more first? Come and meet us either online or in person!

Here's how you can meet our lecturers, students and alumni:

- Open Days
- Education Fairs
- Webinars
- Online Meeting

hanuniversity.com/meetus

APPLICATION PROCEDURE

Step 1
Apply on Studielink.nl, the central online application tool for higher education in the Netherlands.

Step 2
Send the necessary documents. The HAN Admissions Office emails you about which documents to send.

Step 3
The program manager reviews your application. You might be asked for additional information.

Step 4
Find out whether you've been accepted. HAN Admissions Office emails you the outcome of your application.

Step 5
Received the acceptance letter? Paid the tuition fees? Then you're officially enrolled in the program

IN SHORT

Location
Arnhem

Language
English

Program duration
1 year (2 semesters)

Program start
September

Study load per week
Contact hours: 16 - 20 hours
Study hours: 20 hours

Degree
Master of Science in Circular Economy

OPEN UP NEW HORIZONS.

HAN CAMPUS NIJMEGEN
Laan van Scheut 10
6525 EM Nijmegen

QUESTIONS?
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