



TOP SHORE

Information Syllabus
for *Ingenieros*
2019



INTRODUCTION

¡Hola *ingeniero!*

Thank you for your consideration. Included in this syllabus is valuable information on how TopShore operates, why you should sign up with us and what to expect when you do.

TopShore is a Dutch company, founded in 2018 and started its operations in 2019. Our headquarters is based in Rotterdam, The Netherlands.

TopShore is a technical temporary employment agency and is the perfect connection between Spain and the Netherlands for Spanish Engineers (*ingenieros*). We founded TopShore as there is a severe shortage of well-educated engineers and designers, and a growing overflow of job opportunities with some sizeable, interesting companies. TopShore has an incredible network of companies and employers in the Netherlands.

Working abroad in the Netherlands adds valuable experience to your career, as our country has been innovative and progressive throughout the years. Working 1-2 years in the Netherlands adds the same experience value as working 5-6 years in your home country, as stated by many who have gone before you!

OUR JOB OPPORTUNITIES AT A GLANCE

Our engineering trainee programs revolve around offering job opportunities in the Netherlands to *Ingenieros* from Spain. During the 18 months you are with us, we provide you with a suitable employer and also offer courses to further educate yourself.

"I have experienced that working 1-2 years in The Netherlands adds the same value to your experience as working for 5-6 years in your home country. I really enjoyed my time in The Netherlands and would recommend any Engineering Student to experience working abroad."

- Mercedes Fajardo Santos

Director Colegio Oficial de Ingenieros Industriales de Madrid

EXAMPLES OF JOB OPPORTUNITIES:

DATA ANALYST (MSC)

Example

- Tasks
 - Analyse datasets using advanced computing tools, an example work field is Industry 4.0 evidence-based decision making and condition-based monitoring;
 - Develop tools to analyse data for specific applications using self-developed code or modifications to available software scripts;
 - Clearly present results;
- Skills
 - Strong analytic skills and ability to draw conclusions from data (distil trends and determine the significance of findings);
 - Proficient in programming language (Python/MATLAB/C++ or alike).

ROBOTICS AND AUTOMATION ENGINEER (BSC)

Example

- Tasks
 - Select and implement Robotic solutions to automate processes;
 - Selection includes understanding the nature of its application and finding the right equipment;
 - Implementation includes configuration, testing and commissioning of the robots together with the surrounding automated environment;
- Skills
 - PLC programming and program design;

Hands-on experience working with robots and automated systems.

FEA ANALYST (MSC)

Example

- Tasks
 - Structural design of (mainly steel) structures;
 - Finite Element Analysis modelling;
 - Reporting of results;
- Skills
 - Basic knowledge in structural mechanics;
 - Basic experience with Ansys/Femap/RFEM/Nastran or alike;
 - Accurate and analytic.

DESIGNER (MSC / BSC)

Example

- Task
 - 3D drafting;
 - Conceptual engineering;
 - Detailed engineering including occasional 2D drafting;
- Skills
 - Creative in finding design solutions;
 - Must have feel for proportions and be decisive in making design steps also with unknowns in play;

Experience in using Autodesk Inventor/SolidWorks/SolidEdge or alike.

MACHINE DESIGNER (BSC)

Example

- Tasks
 - Make (concept) drawings of machines and equipment in 3D;
 - Make high level calculations of subsystems to be able to select bearings, drives etc.;
- Skills
 - Pragmatic approach and creative in finding design solutions;
 - Experience in using Autodesk Inventor/SolidWorks/SolidEdge or alike;

Some experience in design of machinery needed.

AFTER SALES ENGINEER (BSC)

Example

- Tasks
 - Work in services field of machine and equipment building;
 - Setup maintenance, training and inspection regimes;
 - Setup recommended spares lists and related quotations;
 - Skills
 - Accurate and thorough in executing the work;
 - Pragmatic approach;
 - MS Office software skills.
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OUR COLLABORATIONS

The universities and associations we work closely with in Spain.

Name	Location
University of Cadíz - School of Engineering	Cadíz, Spain
Universidad Europea – School of Architecture, Engineering and Design	Madrid, Spain
Colegio Oficial de Ingenieros Industriales de Madrid (COIIM)	Madrid, Spain
Colegio Oficial de Ingenieros Técnicos Industriales y Peritos Industriales de Madrid (COITIM)	Madrid, Spain

QUALIFICATIONS FOR ENROLMENT IN A TOPSHORE TRAINEE PROGRAM

The following qualifications must be met:

GENERAL*:

- Mastering the English language (level B1)
- Committed to work in the Netherlands for a minimum of 18 months
- In possession of an Engineering degree (find out which degrees support our trainee programs in section B, 'Engineering Degrees').
- In possession of a European Work permit or European passport
- Drivers licence

** If you cannot meet all of these qualifications, please contact us to discuss your personal possibilities. No degree yet? No problem! Please contact us to discuss our Internships.*

ENGINEERING DEGREES

TopShore is aligned with the following Engineering Degrees:

University	BSc	MSc
University of Cadíz	<ul style="list-style-type: none"> • Grado en Ingeniería Electrónica Industrial (GIEI) • Grado en Ingeniería Mecánica (GIM) • Grado en Ingeniería en Tecnologías Industriales (GITI) • Grado en Ingeniería en Diseño Industrial y Desarrollo del Producto (GIDIP) • Doble Grado en Ingeniería Mecánica e Ingeniería Eléctrica (GIM + GIE). 	<ul style="list-style-type: none"> • Máster en Ingeniería Industrial (MII) • Máster Universitario en Ingeniería de Fabricación • Máster Universitario en Ingeniería Industrial
Universidad Europea	<ul style="list-style-type: none"> • Grado en Ingeniería Informática • Grado en Ingeniería en Matemáticas aplicada al Análisis de Datos • Doble Grado en Ingeniería Matemática Aplicada al Análisis de Datos + Grado en Ingeniería Informática • Grado en Ingeniería en Sistemas Industriales. Menciones: Mecánica, Electrónica y Automática, Automoción, Robótica, Energía, Organización Industrial y Tecnologías Industriales • Grado en Ingeniería Civil • Grado en Ingeniería Informática 	<ul style="list-style-type: none"> • Máster Universitario en Dirección y Gestión de Tecnologías de la Información online • Máster Universitario en Energías Renovables • Máster Universitario en Gestión Internacional de la Edificación y la Construcción – International Construction Management • Máster Universitario en Ingeniería de Caminos, Canales y Puertos (Habilitante) • Máster en Seguridad de Tecnologías de la Información y Comunicaciones • Máster Universitario en Análisis de Grandes Cantidades de Datos - Big Data Analytics

HOUSING

When moving to the Netherlands, you have two options regarding housing. You can arrange your own housing or we can set you up with one of our rent partners.

TRANSPORTATION

You need to arrange your own transportation to the Netherlands and if assistance is required, we have consultants to help with the arrangements.

Travelling within the Netherlands is done by car or public transportation. Depending on the location of your future employer, TopShore offers the following paid services, (which are optional):

- A paid subscription for public transportation
- A small car including insurance

OUR TOPSHORE EMPLOYERS

Selmers – www.selmers.com

Selmers is an international supplier of plants and equipment for internal and external pipe coating, pipe cleaning, and pipe handling.



Kenz Figeo – www.kenz-figeo.com

Kenz Figeo is a service provider and manufacturer of offshore cranes and equipment for production platforms, drilling units, FPSO, support vessels, pipe laying vessels, jack-up vessels.



Eager.One – www.eager.one

Eager One, independent engineers and consultants, active in the field of heavy mechanical engineering in its broadest sense with specific know-how in the field of systems of lifting and transport.



The Offshore Partners – www.theoffshorepartners.com

The Offshore Partners are a multi skilled service provider to the maritime and offshore industry around the world. Main activities are project management of newbuild and conversion projects of offshore installation vessels as well as related engineering project.



New employers are added regularly.

RECRUITMENT PROCEDURE

We cordially invite you to upload your resume via our website application page. The first interview will take place via a conference call or skype. Our TopShore colleagues will travel regularly to Spain so preferable you will get a face to face interview as well.

Once we review your qualifications, and you agree to work with us, we will do our best to match you with the best company and position for you.

LIFETIME ASSOCIATE MEMBER OF TOPSHORE INGENIEROS SOCIETY

Once you start working with one of TopShore's connected companies you have access to our TopShore *Ingenieros* community of peers for any questions, advise or any professional needs. We will also organize meet-and-greets and learning events during your stay.

TOPSHORE ACADEMY

During your time with us, we offer various courses to boost your education, develop other skills and increase your knowledge base. At the same time, it is an opportunity to be around likeminded individuals.

Example courses:

- Dutch Culture
- Introduction to the Dutch Offshore and Maritime Industry
- Robotics within the Offshore Industry

JOIN TOPSHORE IN THE NETHERLANDS!

Curious to find out more? Take a look at the current vacancies on www.top-shore.com or get in touch with our consultants. We are looking forward to answer any questions you might have!



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