

Internship programs

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Company: SABCA

Location: Brussels

Category: computer-and-mathematical

Are you one of those people who look up to the sky every time a plane passes by?

Space holds no more secrets for you than it does for science?

Environmental and technological challenges are among those you wish to tackle?

Come join Sabca and play your own role in the fast-moving world of aerospace inside a company with more than years of existence.

We are experts in designing, manufacturing, maintaining, and upgrading large and complex elements for aircraft and space launchers.

In Brussels, we have our Structural and Mechatronics Engineering offices, where all our new programs begin and our workshops are equipped with modern

machines that produce complex metallic assemblies for aircraft and space launchers as well as advanced Thrust Vectoring Systems for space launchers.

SABCA Brussels is also the home to our Unmanned Autonomous Systems aka: the drones solutions unit!

We truly believe in investing in the future engineers of tomorrow and truly believe that doing your internship at Sabca will make your passion for aviation and aerospace grow even more.

Curious what interesting projects we have at the moment?

Within Sabca we currently have 3 very interesting internship programs.

One is around design office continuous improvement and 2 others are around actuation systems.

1) Design office continuous improvement

Discover the fascinating world of aerospace design! Join our 40+ engineers of our actuation systems design office in your first-ever professional internship.

In this short internship (ideal duration: **2 months**) , you will support the continuous improvement of the design office.

Your tasks might include :

deployment of a software computation/design tool or one of its unused functionalities

automation of design tasks

issuing of design procedures, etc.

Cooperate and take responsibility at its level regarding ISO

Your profile :

All engineering disciplines of actuation systems are needed: mechanical, electronics, hydraulics, electromechanical, software, microelectronics, and system engineering.

This internship is made for you if you want to have a look at the inner workings of large engineering organisations, how aerospace development is structured, and what it is to work in an engineering field where safety and rigor is paramount.

It is ideally suited for **bachelor's in engineering** who seek a first internship during the early phases of their master's degree in engineering.

Location

The internship location is on our Brussels site, easily accessible from public transportation (bus, tram, or train).

Languages

English is required, but most of our specialists speak also French or Dutch.

2) Internship: actuation systems advanced concepts

Discover the fascinating world of aerospace design! Join our 40+ engineers of our actuation systems design office for honing you engineering skills.

In this extended internship (ideal duration **5 months**), you will be tasked to explore advanced concepts for actuation systems

Your tasks might include:

Prospective new technology, new business line, technologies for cost reduction, etc.

Mature the subject via studies and a proof of concept.

The subjects can be generalist in nature (mechatronics/system) or for specialists (mechanics, electronics, software, microelectronics).

Cooperate and take responsibility at its level regarding ISO

Your profile

This internship is made for you if you want to apply your hard-earned engineering skills on aerospace projects. It is ideally suited for students in or nearing their last year of a master's degree in engineering. It is an ideal steppingstone for starting an engineering career in a design office.

Location

The internship location is on our Brussels site, easily accessible from public transportation (bus, tram, or train).

Languages

English is required, but most of our engineers also speak French or Dutch.

3) Actuation systems prototypes and tests

Discover the fascinating world of aerospace testing! Join our 40+ engineers of our actuation systems design office for honing your applied engineering skills.

In this extended internship (ideal duration **5 months**) , you will be tasked to support our development test team in their activities

Your tasks might include :

design of ad-hoc test benches and bays

manufacturing of prototypes

automation of tests or assembly

cooperate and take responsibility at its level regarding ISO

The subjects require broad, applied mechatronics engineering knowledge, and a penchant for getting your hands dirty on the material.

Your profile

This internship is made for you if you are eager to apply your hard-earned engineering skills on practical realizations. It is ideally suited for students in or nearing their **last year of a master's degree** in engineering. It is an ideal steppingstone for starting a career as a **production engineer**.

Location

The internship location is on our Brussels site, easily accessible from public transportation (bus, tram, or train).

Languages

English is required, but most of our specialists speak also French or Dutch.

If you are getting excited about one of the internships we have to offer, send us your CV and mention in your motivation letter which one of the 3 you are applying for.

So, What's in it for you?

Experience! Gain new experience to thanks to the full range of services we offer to the civil, space and military aviation markets as well as to the commercial Unmanned Autonomous Systems (drones). Our activities include designing, manufacturing, maintaining, and upgrading large and complex elements for aircraft and space launchers for customers and partners belonging to the elite of the aerospace industry.

Excitement! Work in an exciting environment where long-standing expertise and research and technological development feed off each other.

Sabca collaborators have their passion and their know-how as common denominator.

Teamwork, reliability and innovation are part of the culture we value and that lead us to success.

Challenges! Help Europe access to space by designing and manufacturing rocket structures.

Be part of the pioneers in developing advanced air mobility solutions inside our division dedicated to drones. Use your knowledge to take people around the world on board low-carbon aircraft.

Contribute to the environmental and technological challenges of the century. Play your own role in the fast-moving world of aerospace.

Be ready for take-off!

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