EPFL – Internships
Electrical Engineering

- General context
- Administrative procedures
- Pep-talk and statistics
STI Internship Coordination

CDM
Management of technology

SV
Lifesciences

ENAC
Architecture

STI
Engineering

SB
Basic Sciences

I&C
Informatics et Communication

CDH
College of Humanities

Microengineering + Robotics
131 Ma1 students
116 Ma3 students

Material Sciences
52 Ma1 students
45 Ma3 students

Mechanical Engineering
134 Ma1 students
96 Ma3 students

Electrical Engineering
48 Ma1 students
51 Ma3 students
Internship obligation

- The Internship in industry is a mandatory step of the Master degree

- Possible formats to validate this obligation

<table>
<thead>
<tr>
<th>Models</th>
<th>SCS</th>
<th>STAP</th>
<th>PDME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Credited internship during the master course</td>
<td>Detached internship but credited with the master’s project</td>
<td>Master project in industry</td>
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</table>

<table>
<thead>
<tr>
<th>Models</th>
<th>Duration</th>
<th>Periods</th>
<th>Contact information</th>
</tr>
</thead>
</table>
| **Electrical and electronics engineering** | Min. 8 weeks  
  4-6 months  
  25 weeks | After bachelor, after MA2 or MA3  
  After MA2  
  During the master project | Web Site EL |
| **Mechanical engineering**  | Min. 8 weeks  
  25 weeks | After bachelor, after MA2 or MA3  
  During the master project | Web Site GM |
| **Materials science and engineering** | Min. 8 weeks  
  25 weeks | After bachelor, after MA2 or MA3  
  During the master project | Web Site MX |
| **Microengineering**        | Min. 8 weeks  
  25 weeks | After bachelor, after MA2 or MA3  
  During the Master project | Web Site MT |
Mandatory Internship or Master Project in Industry

- **Short Internship (STAP)**
  - Immersion into industry
  - Familiarize with company processes
  - Apply transversal skills
  - Minimum duration of 8 weeks, up to 12 weeks
  - Evaluation report by student and industrial supervisor

- **Long Internship (SCS)**
  - Immersion into industry
  - Familiarize with company processes
  - Apply and analyze transversal skills
  - Acquire specific competences
  - Minimum duration of 17 weeks, up to 6 months
  - Written report to section

- **Master project in industry**
  - A research project in the company
  - Student applies the competences acquired during his master
  - Supervised by a Professor from an EPFL research lab
  - Written report and oral defense
  - 25 week duration (+1 week vacation)
SEL Master Curriculum

Master Cycle
60 credits

- Minor or Specialization
  30 credits
- Long Internship
  17 – 25 weeks
  30 credits
- Master Project in Industry
  25 weeks
  30 credits

- Master Project in Academia
  17 – 25 weeks
  30 credits
- Short Internship
  8-12 weeks

- Master Project in Industry
  25 weeks
  30 credits
- Short Internship
  8-12 weeks

- Master Project in Academia
  17-25 weeks
  30 credits
Internships between bachelor and master

- If you have finished your bachelor and would like to take an interim year to do your mandatory industry internship for your master, the following academic rules and FRAC status’ apply:

  **Option 1**
  - Internship up to 6 months: FRAC “internship” Registered in Ba5
  - Start master FRAC “present” Registered in Ma2

  **Option 2**
  - Internship up to 6 months: FRAC “internship” Registered in Ba5
  - No master start FRAC “on leave” Semester does not count
  - Start master FRAC “present”

  **Option 3**
  - Start master FRAC “present” Registered in Ma1
  - Internship up to 6 months: FRAC “internship” Registered in Ba6

  **Option 4**
  - No master start for motivated reasons FRAC “on leave”
  - Internship up to 6 months: FRAC “internship” Registered in Ba6
  - Start 2nd master semester FRAC “present”

In option 4 the fall semester will be accounted to your master studies, except if you are doing your army or civil service
When to place your internship / Master thesis?
When to place your internship / Master thesis?

- **Summer**
  - Master cycle: 60 credits
  - Internship: 8-12 weeks

- **Fall**
  - Minor/spec: 30 credits

- **Spring**
  - Master project in **Industry**: 25 weeks
  - PDM in **Industry**: 25 weeks

- **Summer**
  - Master cycle: 60 credits
  - Internship: 6 months

- **Fall**
  - Minor/spec: 30 credits
  - PDM in **academia**: 17 to 25 weeks

- **Spring**
  - PDM in **academia**: 17 to 25 weeks

- **Summer**
  - PDM in **academia**: 30 credits
When to place your internship / Master thesis?
When to place your internship / Master thesis?

<table>
<thead>
<tr>
<th>Summer</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
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<tbody>
<tr>
<td>Master cycle 60 credits</td>
<td>Minor/spec 30 credits</td>
<td>Master project in Industry 25 weeks 30 credits</td>
<td>Minor/spec 30 credits</td>
<td>Internship 8-12 w. 30 credits</td>
<td>PDM in academia 17 to 25 weeks 30 credits</td>
<td>PDM in academia 17 to 25 weeks 30 credits</td>
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<tr>
<td>Internship 8-12 weeks</td>
<td>Master cycle 60 credits</td>
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<td>PDM in academia 17 to 25 weeks 30 credits</td>
<td></td>
<td></td>
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</tbody>
</table>
The master thesis in Industry

**In Industry**
**Other Universities**
@ EPFL

- **Electrical Engineering**
  - Less students for EPFL research projects

- **Microengineering**
  - Questionable academic quality of a portion of industrial master thesis

- **Materials Sciences**
  - Good professional insertion
  - Limited international outreach

- **LifeSciences**
  - Potential increase of industry-academia collaborations

- **Mechanical Engineering**
Current habits for establishing master thesis in industry

- Companies get in touch with research labs to propose master thesis topics
- Companies can accept students for internship proposals and accept the format change to master thesis projects
- Students contact professors of their section to ask for existing industrial projects
- Students can apply for internships and have it validated as master thesis projects by the supervising professor
- Professors and teachers propose master thesis projects with known partner companies
- Professors and teachers evaluate the academic content of proposals from companies before accepting it as master thesis projects
- Professors and teachers evaluate the academic content of proposals from students before accepting it as master thesis projects
Company has an idea for a master thesis project.

Company discusses the project with a Professor.

Company submits the proposal on the EPFL portal.

Student applies for the project through the portal and gets accepted by the company.

Project starts under co-supervision by company and professor.
# Master thesis in industry on the internship portal

<table>
<thead>
<tr>
<th>Action</th>
<th>Stage</th>
<th>Entreprise mère</th>
<th>Localisation du stage</th>
<th>Févr-Sept (P1)</th>
<th>Juil-Fév (P2)</th>
<th>Juil-Sept (P3)</th>
<th>N° du stage</th>
<th>Format</th>
<th>Inscrits</th>
<th>Places</th>
<th>Prof</th>
<th>Date de création du stage</th>
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<tbody>
<tr>
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<td></td>
<td>1.09.2017</td>
</tr>
</tbody>
</table>
Give priority to Master thesis proposals from laboratories of your section and proposals posted on the IS-A portal with confirmed academic supervisor.

If you can’t find a suitable topic this way, consider doing an internship to validate your industry immersion. If this is not an option, then proceed like this:

- Contact potential academic supervisors to inform them on your intentions
- Apply for positions and inform companies on your objective to do a master thesis (in motivation letter, during e-mails exchanges and interviews, ...)
- Organize a meeting between the teacher and the company to discuss the content and workplan of the project and settle administrative issues. Suggest the signature of the EPFL master thesis agreement (to settle IP and confidentiality).
- Insure a coordinated supervision and regular meetings between the company and the teacher during the project.
Best Practice Regarding Master Projects in Industry

1. Introduction

This document sets out the rules to be observed in the field of supervision of master projects in industry.

While projects in industry are performed by students who are sponsored by their academic circles within a host company. Indeed, they imply a tripartite relationship (EPFL professor, student, company) making academic and legal issues more complex due to the hybrid nature of the work.

A master project in industry remains first and foremost a master project. It must therefore be performed in a company, the master project must imperatively include a research and include an academic dimension defined and controlled by the professor. Although it is innovation angle, thus contributing to the advancement of science in its field.

A professor may not under any circumstances supervise a student’s master project without first making contact with the company prior to any commitment by the parties. Professors are entitled to refuse to supervise a student’s master project should the terms discussed with the company not suit them or contravene EPFL requirements in this field.

In addition, the collaboration induced by the master project in industry must benefit the research carried out by the laboratory. It is also important that the laboratory’s research be carried forward and not therefore offered to companies in the framework of master projects.

3.2. Use of EPFL resources

Students may not use EPFL installations, resources, information, software or other intangible assets without their professor’s written approval.

Access to best practices document here (for teachers only)
What is considered «Industry»?

- Every company or start-up offering a workplace outside of an EPFL laboratory (EPFL’s Innovation Parc included)

- Every Research Organisation not delivering academic credits

- Affiliation of independent research labs with academic institutions can lead to a specific decision by the section
How much salary?

- There is no official regulation in Switzerland to pay a monthly salary for an internship.
- Salaries are mostly ruled by offer and demand.
- Often the salary is dependent of the company’s size and status:
  - Typical salary in large companies: ~3’000 SFr
  - Typical salary in start-ups and SMEs: 1’500 SFr
  - Typical salary in the European Union: 600 - 900 Euros
- EPFL recommends a typical monthly salary between 1’500-2’500 SFr. However, there is no obligation of the company to comply with this.

- In Case of a Master Project in Industry, remuneration can be handled more freely (no monthly salary, compensations, bonus at the end, ...)

Internships done during the bachelor degree are not accepted for validation.

Exceptions can be granted in the following cases:

- Internships done after your bachelor degree
  - The internship must be accepted by the section deputy
  - The internship duration must be at least 8 weeks
  - The ending should not be further than 1 year apart from your master beginning date.
  - An evaluation report or a work certificate has to be presented to the section deputy

- Industrial experiences of at least 1 year related to the field of the future master studies can be accepted for validation
  - A valid work certificate has to be presented to the section deputy.
Administrative aspects and Procedures
The federal council allows foreign students of Swiss academic institution to perform a mandatory internship during their studies: [https://www.admin.ch/opc/fr/classified-compilation/20070993/index.html#a39](https://www.admin.ch/opc/fr/classified-compilation/20070993/index.html#a39)

Students with Non-EU/EFTA passports require a valid **work authorization** to do their internship or Master project with monthly salary in Switzerland or EU countries.

EU students performing a 2-6 month internship have to be **announced** at the cantonal office.

It is the company’s responsibility to request this authorization at the proper working office of their canton/country.

It requires up to 8 weeks to obtain this authorization from the cantonal offices.

It is recommended that students from non-EU/EFTA countries inform the companies in their motivation letter of these regulations.

*Example:* “As I’m a non-EU/EFTA resident, your company is required to ask for a temporary work authorization. Please be advised that The federal council allows foreign students of Swiss academic institution to perform a mandatory internship during their studies: [https://www.admin.ch/opc/fr/classified-compilation/20070993/index.html#a39](https://www.admin.ch/opc/fr/classified-compilation/20070993/index.html#a39). As I will stay registered at EPFL during this internship, and since this internship is a mandatory part of my Master education, the delivery of this document does not fall into the quota limitation of each canton and is therefore straightforward.”
How can you find an internship?

- It is the student’s responsibility to find an appropriate internship to validate his Master degree.
- No responsibilty can be taken from EPFL side if no internship has been found by the student.
- The student can find an internship position by himself, but the subject needs to be approved by the section deputy.
- EPFL offers an internship portal on which the student can find an alternative to his personal quest for finding an internship.
- Access to the EPFL portal is given through the student’s IS-Academia account.
Other opportunities for finding an internship

- Personal contacts, family, friends
- Topic related agencies and organizations
- International platforms
- Company websites
- EPFL Professors, especially for master projects in Industry

Every Internship found by these alternative ways needs to be approved by your section. Please contact the section deputy as soon as you have found an opportunity.
Ingénieurs du Monde

Qui sommes-nous?
Ingénieurs en devenir, nous nous intéressons aux problématiques liées à la coopération scientifique Nord-Sud et au développement.

Nous contacter
Ecrivez-nous à stage.idm@listes.epfl.ch

On vous offre une bourse...
- Qui couvre frais de voyage et de visa
- Pour un stage
  - Dans un pays en développement
  - Pour un projet durable
  - De minimum 8 semaines

Allez regarder les offres disponibles sur notre plateforme!
http://idm.epfl.ch/stages/
Your start-up as substitute to a master thesis in industry?

- A few students will be able to undertake their master projects in industry, at the EPFL Innovation Park to work for their own startup.

- This opportunity will be offered to 3-4 projects per year and starts as of September 2018. Students will have to go through a selection process, starting by contacting xgrant@epfl.ch.

- Further communication will be undertaken throughout the year by the faculties internship coordinators.
EPFL Alumni network

- EPFL students have access to the Alumni network
  - Website: alumni.epfl.ch
  - Pocketcampus app
Start working with LinkedIn

Training Manager? - Make training easier and faster with Step-by-Step digital tutorials.
Find an Internship during EPFL’s Forum

Retrouvez le Forum EPFL

du 8 au 12 octobre 2018

au SwissTech Convention Center

Forum.epfl.ch
How does the internship portal work?

- Browse through the internship offers of your Master program
- Apply for a position by uploading 2 mandatory documents:
  - CV
  - motivation letter
- Applications are sent on a weekly basis to the companies (every Monday 14h00)
- Wait for the company to make its selection process (up to several weeks)
- If no response after 2 months, contact your internship coordinator
- You will be contacted by the company if your application was successful
  (Most selection processes involve an interview and several e-mail exchanges)
- You MUST accept only one offer and reject all the others within the next 3 working days.
- Once you have accepted the offer
  - No withdrawal from the accepted position!
  - Kindly notify all other companies you had privileged contact with
Attribution process in the spring semester

- **End of January**: Mailing to Industry
- **Mid-February**: Following student applications sent to Industry every Monday 2:00 PM
- **June**: End of Spring Semester
- **August 1st**: Possible 1st starting date
- **August 1st – September 30th**: PDMe 25 weeks
- **Internship 2-6 Months**
Attribution process in the fall semester

- **Sept. 1st**: Mailing to Industry
- **End of September**: Following student applications sent to Industry every Monday 2:00 PM
- **December**: End of Fall Semester
- **Beginning of Spring Semester**: Possible 1st starting date
- **Internship 2-6 Months**: PDMe 25 weeks
  - Mid-February – March 1st
  - 1st student applications sent to Industry
  - 1st student applications sent to Industry every Monday 2:00 PM
Internship attribution, possible scenarii

1st application round
- Internship 1: Refused
- Internship 2: In progress
- Internship 3: Refused

2nd application round
- Internship 1: In progress
- Internship 2: In progress
- Internship 3: In progress
- Internship 4: In progress

3rd application round
- Internship 1: In progress
- Internship 2: In progress
- Internship 3: In progress
- Internship 4: Accepted
- Internship 5: In progress

4th application round
- Internship 1: In progress
- Internship 2: In progress
- Internship 3: In progress
- Internship 4: Accepted
- Internship 5: In progress

Within 3 days
- Accept
- Refuse

Master thesis: Don’t accept without academic supervisor
Register internships found by your own

- Submit a description of your internship to your section’s deputy
- Once you have signed the tripartite internship agreement, enter your project details on the internship portal by creating a new internship proposal, and upload a pdf copy of the agreement.

### Internships - Showroom (stu)

You found a work placement, which was not proposed in IS-Académia. Please, do register it clicking HERE.

<table>
<thead>
<tr>
<th>Context:</th>
<th>All criteria/words should be contained</th>
<th>Search by keywords</th>
<th>Validate</th>
</tr>
</thead>
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<th>Juil-Fév (P2)</th>
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</table>
Some advice to prepare your application documents

- **2 important documents**
  - Motivation letter
  - Curriculum vitae (CV)

The criteria for interview selection by the company is mostly based in these documents. Reference letters can be added as well. Your motivation letter should specifically address the company and the proposed subject.

- **Language**: you should use the language of the offer

- **To be avoided:**
  - No motivation letter
  - copy-paste errors
  - Wrong addressing
Interview

Most companies would like to meet the students for an interview prior to making their final choice

- Be prepared for the interview and demonstrate a professional attitude
- Non EU/EFTA students: Inform the company about the required work authorization
- If the living allowance is mentioned in the description, do not bargain. If not mentioned, inquire for it.
- Follow up: After the interview, write a short e-mail as feedback of your interview to the company and Cc the internship coordinator.

- For Master projects: Do not accept a position without having confirmed the eligibility of the project and settled the details with the academic supervisor.
Prepare your internship campaign!

EPFL proposes 5 modules of 1h30:

This fall semester
1. Understanding recruiters (November ‘16)
2. Reviewing the CV
3. The motivation letter

Next spring semester
4. The Job interview
5. Communication and organization at work

Each course will be given 2x in English and 5x in French.
Information and mandatory registration here: https://bookwhen.com/stages
Anticipate

- A change of residence or relocation might be necessary
- Setting up a Master thesis in industry takes several weeks/Months

- Time consuming formalities might be required:
  - Confirm an internship
  - Visa, Work authorization and Residence permit (typically 4-8 weeks)
  - Collection of the signatures of the internship agreement
  - New validation of your passport

- It is your responsibility to settle these formalities prior to the Internship beginning
Update your FRAC

In case your internship is done during an academic semester, make sure to update your FRAC according to your status:

☐ In case of a credited internship (only EE students):
  - Semester (choose the right one: MA1; MA2; MA3)
  - Status: Internship (authorized by the section)
  - Mention in the comments « Credited internship during master course (SCS) »

☐ In case of a long internship without credits
  - Semester: (choose the right one: MA1; MA2; MA3)
  - Status: Internship (authorized by the section)
  - Mention in the comments « Detached internship but credited with master Project (STAP) »
Announce your stay abroad to EPFL Safety domain

- http://securite.epfl.ch/voyages

**NEWS SAFETY, HEALTH & PREVENTION**

**Assistance program when travelling abroad**

02.06.14 - You are travelling abroad for business or studies?

As a collaborator, doctoral-assistant or student of EPFL, the Safety, Prevention and Health Domain (DSPS) provides you an assistance program when travelling abroad. Since the 1st of June, a partnership with International SOS has been set up to help you to prepare your journeys and to assist you during your business travels abroad (conferences, seminars, training, etc.). Security and medical informations on your country of destination are available, as well as the access to a call centre to assist you 24/7. For any additional information, please consult the website: [secure.epfl.ch/travel](http://secure.epfl.ch/travel)

*NB: Private travels are not covered by this program.*

**Author: Sylvia Fabris**  
**Source: Sécurité, Prévention et Santé**

- [Return to previous page](#)
Internship agreement

- The internship agreement specifies the commitments and responsibilities of EPFL, the company and the internship student. This agreement must be signed for all engineering internships.
- No other tripartite agreement involving EPFL will be signed by the section.
- Alternative contract proposed by the company and signed only by the student are acceptable in rare cases, but the students must carefully read and comply with the content (IP issues, confidentiality, insurances and especially non-competition clauses).
The master thesis agreement (access for teachers only) specifies the commitments and responsibilities of the supervising teacher, the company and the student.

This agreement can be signed upon request of the teacher or the company.

It defines IP and confidentiality aspects for any master thesis in industry without existing collaborations.

It allows the academic supervisor to have access to the results of your work without having to sign an NDA.

As it is not mandatory, amendments and changes requested by companies won’t be accepted by the internship coordination or the legal department of EPFL.
During and after the internship

- In case of problems (accident or illness, personal problems, conflict with supervisors, ...), contact urgently the Section deputy and the STI Internships coordinator.

- No written report of the student is requested by EPFL (except for credited internships in EE), but can be requested by the company.

- To validate your internship, an evaluation form has to be filled out by the student and the supervisor in the company (sent out 2 weeks prior to ending).
Mandatory Steps for a 2-6 month internship

1. Find an internship position and in case you have found it without using the IS-A portal, have the subject validated by your section deputy.

2. Inform the STI coordinator that you have found your internship.

3. Cancel all ongoing applications by gently notifying the companies. This step is extremely important to keep a good relationship with potential future employers.

4. Transmit the EPFL internship agreement to the employer and have it filled out and signed by the employer and the section deputy. The signing of the agreement is mandatory.

5. If you are a non-swiss/EU citizen, ask the company to request a work authorization for the duration of the internship. More information here.

6. Once all the details of your internship have been settled, enter or edit the details of your internship on the IS-A internship portal. Upload a copy of the signed internship agreement.

7. In case your internship is during a semester, make sure to update your FRAC according to the following table

8. At the end of the internship, fill out the evaluation form that will be sent to you by e-mail. The evaluation procedure starts 2 weeks prior to the official ending of the internship. Both the student and the supervisor will fill out an evaluation form.
Mandatory Steps for a Master project in Industry

1. Find a master project in industry by contacting the professors of your section.

2. A master subject can also be found through the IS-A Internship portal. In this case, it is mandatory to find a professor willing to supervise you before you accept the offer from the company. The STI Initiative on Coordinated Master Projects is promoting offers through the portal.

3. Official starting dates for master projects in industry are as follows:
   - Beginning of spring semester - registration deadline for spring semester courses (2 weeks after)
   - August 1st - registration deadline for fall semester courses (end of September)
Other starting dates can be obtained on special request to your section.

4. All administrative details of your master project in industry have to be settled between the employer and the professor supervising your work. On request from the professor or the company, the EPFL master project agreement can be signed.

5. Once all the details of your Master project in Industry have been settled, enter the details of your PDMe in your study plan

6. Make sure to update your FRAC according to the following table
EPFL internships on the web

Section webpage:
http://sti.epfl.ch/page-44372-en.html

EPFL webpage:
http://internships.epfl.ch

Students enrolled in a Master program in a domain leading to an engineer title have to complete an industry internship or master project before graduation. The goal is to give the students the opportunity to acquire industry practice in complement of the academic knowledge.

We invite companies to offer internships proposals to EPFL students.

Accommodating an intern allows companies:
- identifying future potential collaborators
- receiving help on a specific project
- bringing into play new ideas
- becoming a strategic partner of EPFL for the quality of education of the students
- keeping contact with generations

Depending on the master program, students are available from 2 to 6 months, during summer vacation or during the academic semesters (from July to February or from February to August).

The EPFL internships portal is convenient to promote internship ads and manage students applications.

Thank you for your collaboration!
Important remarks

- As an EPFL student doing an internship in industry, you act as an EPFL Ambassador. Thanks to your work and positive attitude, you will leave an important impression to the company.

- This aspect is not only important for your future professional career, but also for the EPFL internship program which will benefit from this lasting impression.
STI Internship Program

- Pep talk for Students
- Some statistics
The internship: Excellent Opportunity !!!

- **Students**
  - A Great incentive to ask oneself the right questions!
  - Familiarize with working life
  - Immerse into Industry practice
  - Future Hiring opportunity

- **Companies**
  - Benefit from highly qualified students
  - A new insight on current issues, innovate!
  - Evaluate future employees

- **EPFL**
  - A direct link to industry
  - A new platform to start collaborations on the research level
  - Feedback from industry to improve the education of our students
Internship evaluations

Student auto-evaluation
(Years 2015-2018, 742 students)

- The placement gave me a clear idea as to the realities of working life
  - Completely agree: 361
  - Agree: 298
  - Neither agree nor disagree: 74

- The placement was an opportunity for me to acquire new practical skills and knowledge
  - Completely agree: 587
  - Agree: 178
  - Neither agree nor disagree: 22

- I was able to demonstrate my professional independence
  - Completely agree: 415
  - Agree: 295
  - Neither agree nor disagree: 29

- I have good communication skills
  - Completely agree: 230
  - Agree: 422
  - Neither agree nor disagree: 81

- I integrated well into the professional context
  - Completely agree: 420
  - Agree: 293
  - Neither agree nor disagree: 25

- I improved my organisational skills
  - Completely agree: 294
  - Agree: 336
  - Neither agree nor disagree: 97

- I was able to apply my technical and scientific knowledge
  - Completely agree: 331
  - Agree: 347
  - Neither agree nor disagree: 59
Internship evaluations

Feedback on the host company by student
(Years 2015-2018, 742 students)
Internship evaluations

Company evaluation of the student (Years 2015-2018, 742 students)

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<th>Insufficient</th>
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<td>constructively to feedback</td>
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<td>Ability to access sources of information and</td>
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<td>263</td>
<td>33</td>
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<td>to evaluate them</td>
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<tr>
<td>Ability to present and defend her/his own</td>
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<td>ideas</td>
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<td>Communication (clarity, reasoning, self-</td>
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<td>Definition of work objectives and management</td>
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<tr>
<td>Application of scientific and technical</td>
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<td>Mastery of domain-specific methodologies</td>
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<tr>
<td>Ability to resolve complex problems</td>
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<tr>
<td>Technical skills and knowledge</td>
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EPFL links to Industry

Top-Down

- Vice Presidency for Innovation:
  - Tech transfer
  - Innovation Park
  - Sponsored chairs
  - Special programs
  - Alliance

- Career Center
  - Alumni survey
  - Jobs for Brains Recruitment platform
  - Recruitment days
  - Round tables
  - Sponsorships
  - EPFL Forum

- EPFL Alumni
  - Network
  - Events
  - Magazine

- Section advisory boards
  - Meeting ~every 2 years

Bottom-up

- Research labs; industrial projects
- Master Thesis in Industry
- Internships in Master curriculum

1’200 EPFL students each year
Value chain from internships to industry funded research

- Internships
- Master projects
- Funded research
- Startups
- EPFL academic rankings
- Professional insertion of students
- Innovation for Industry
Location of Master Project since 2004


Master Thesis Interaction Map (Year 2015)
Save the date: STI-SV Industry Day

Wednesday March 20th 2019
STI-SV Industry Day: Thursday March 20th 2019

8h30 - 9h00  Enregistrement et café
9h00 - 9h05  Message de Bienvenue
9h05 - 9h20  Keynote académique (MIT, ?)
9h20 - 9h30  Info stages et projets de masters
9h30 - 10h30 10 présentations académiques
Engineering for life science and health
Robotics and Manufacturing

10h30 - 11h15 Pause café et expo industrielle
11h15 - 12h15 10 présentations académiques
Data enabled Engineering
Materials and Processes

12h30 - 13h45 Lunch et expo industrielle
13h45 - 13h50 Introduction au programme de l’après-midi
13h50 - 15h15 15 présentations industrielles
Entreprises, start-ups et organisations
Témoignages de projets d’étudiants

15h15 - 16h00 Pause café et expo industrielle
16h00 - 17h25 15 présentations industrielles
Entreprises, start-ups et organisations
Témoignages de projets d’étudiants

17h25 - 17h30 Clôture de la journée
17h30 - 19h00 Apéro et expo industrielle

Présentations académiques

Session 1: Engineering for life science and health
Stéphanie Lacour – Lab for soft bioelectronic interfaces
Diego Ghezzi – Medtronic chair in neuroengineering
Sebastian Maerkir – Lab. of biological network characterization
Hatrice Altug – Bionanophotonic systems lab.
Auke Ijspeert – Biorobotics lab.

Session 2: Robotics and Manufacturing
Vivek Subramanian – Subramanian group
Yves Bellouard – Galatea lab.
Selman Sakar – Microbirobotic systems lab.
Jamie Paik – Reconfigurable robotics lab.
Guillermo Villanueva – Advanced nanomechanical systems lab.

Pause café et expo industrielle

Présentations académiques

Session 3: Data enabled Engineering
Volkan Cevher – Lab. for information and interference systems
Aude Billard – Learning algorithms and systems lab.
Pascal Frossard – Signal processing lab. 4
Van de Ville – Medical image processing lab.
David Atienza – Embedded systems lab.

Session 4: Materials and Processes
Fabien Sorin – Lab. of photonic materials and fibre devices
Yves Leterrier – Lab. of processing and advanced composites
Esther Amstad – Soft materials lab.
Pedro Reis – Flexible structures lab.
STI Internship offers between 2012 and 2016

Since 2012:
580 companies
2,400 offers

Switzerland: 66%
France: 17%
Rest of Europe: 11%
USA/Asia: 6%

**In 2017:**
- Electrical Engineering: 593 offers (+19% vs 2016)
- Mechanical Engineering: 386 offers (+15% vs 2015)
- Microengineering: 527 offers (+26% vs 2015)
- Materials Sciences: 356 offers (+10% vs 2015)
## STI Internship offers by country

<table>
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<tr>
<th>36 pays</th>
<th>2013 nb d'entreprises</th>
<th>2014 nb d'entreprises</th>
<th>2015 nb d'entreprises</th>
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<td>Suisse</td>
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### Total Internship Offers by Country

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<th>2014 nb d'entreprises</th>
<th>2015 nb d'entreprises</th>
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<tr>
<td><strong>Suisse</strong></td>
<td>125</td>
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Internship countries of STI students

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Information and contacts

☐ For further information, please visit the internship page of your section:

☐ Depending on your inquiry, you can contact the following persons:

Sebastian Gautsch  
STI  
Internship Coordinator

Philippe Gay-Balmaz  
SEL  
Adjunct to the SEL Director

Ms Suzanne Manné  
SEL  
Administration
Questions?

Thank you for your attention 😊