The UNITECH Advantage

UNITECH International

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What is UNITECH?

- Assessment Centre
- Start-Up Week (August/September)
- **Academic exchange** in one of the partner universities
- Mid-Term Week (January)
- **Internship** in one of the partner companies
- End-of-Year Event (August/September)
Why UNITECH?

Connect with the network

- Many meetings
- General Assembly (August/September)
- Individual connections; networking
- Alumni events

→ Gain Advantage on Two Levels
Why UNITECH?
The Driving Forces Behind UNITECH

A rapidly changing environment demands broader skills from tomorrow’s engineers

Business knowledge

Technical knowledge

Cultural agility
UNITECH Programme Overview

Home university
- Current engineering studies
- Assessment centre

Host university
- Academic exchange – continue engineering studies, add business studies
- Studies in a second language

Corporate Partner
- International internship
- Work in a second language

Graduation
- Potential employment with Corporate Partner

Home university
- Complete engineering degree

Start-Up Week

Mid-Term Week

End-of-Year Event *
The Wide and Varied UNITECH Network

9 Academic Partners

- CHALMERS
- ETH
- Eidgenössische Technische Hochschule Zürich
- Swiss Federal Institute of Technology Zurich
- Loughborough University
- RWTH AACHEN UNIVERSITY
- Politecnico di Milano
- UNIVERSITAT POLITECNICA DE CATALUNYA BARCELONATECH
- Trinity College Dublin

20 Corporate Partners

- ABB
- Danfoss
- optotune
- SKF
- Agbar
- Boston Scientific
- e.on
- Johnson Controls
- Schindler
- VORWERK
- GEBERIT
- CATERPILLAR
- HILTI
- SCHOTT
- ZF

Students and Alumni

- 90 student places 2014/2015
- More than 400 active Alumni
Key Opportunities for **Interaction**

- **Assessment Centre**
  - Students - from the very start
  - Other Corporate Partners
  - Academic Partners
  - UAA local chapters

- **Start-Up Week**
  - Ideas Fair
  - Corporate Partner presentation

- **Mid-Term Week**
  - Case Assignment
  - Corporate Partner presentation

- **Internship**
  - 3 to 6 months
  - International aspect
  - Challenging assignment

- **End-of-Year Event**
  - Stakeholders’ Fair
  - Pre-selection interviews
Coaching: Focus and Philosophy

During the three modules we focus on:

- Developing ability to have early professional impact
- “Standing out while fitting in”
- Increasing speed of adjustment to different people and situations
- Developing personal leadership skills and style

UNITECH Coaches work with this philosophy:

- Offering simple, short activities offering multiple learning opportunities
- Encouraging development through reflection
- Giving constructive feedback with empathy
Example of Coaching Themes in Joint Module -1

Saturday

Strengthen Diversity!
- Examine and emphasise diverse resources in group

Sunday

Skill yourself up!
- Core relational skills for dealing with people

Monday

Form the group!
- Exercises that emphasise and define group working skills and dynamics

Tuesday

Plan the work
- Focusing and prioritising time and talent in order to complete a task

Wednesday

Work the plan!
- Putting it all into action in preparing a group task

Thursday

Make things happen!
- Group work on the task
- Delivery of the report to real clients

Friday

Set up your UNITECH year!
Example of Coaching Themes in Joint Module-2

Monday
Reform the group!
- *Getting focused on the single task of the Case Assignment*

Tuesday
Plan the work
- *Focusing and prioritising time and talent in order to complete the Case Assignment*

Wednesday
Work the plan!
- *Putting it all into action in preparing for meeting the Case Assignment client*

Thursday
Make things happen!
- *Developing the solution to the Case Assignment for the Case Assignment clients*

Friday
Testing your assumptions!
- *Presenting your strategy and intent to the Case Assignment client*

*The Case Assignment is completed by the group, who work virtually after the second module to deliver a report, which is assessed and graded for credit points towards graduation*
Example of Coaching Themes in Joint Module -3

Who are you now?
- Participating in guided reflection on the impact of their exchange and internship experience
- Sharing best practices

Make things happen through dialogue!
- Developing refined, persuasive communication skills

Next steps for working the network!
- Preparing individuals for career marketability and Alumni membership
UNITECH - the **flexibility** and variety

- Home University
- Host University
- Corporate Partners
- Assessment
- Start-Up
- Midterm
- Completion of Home studies
- Academic exchange
- Internship
- End-of-Year
- Graduation

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Who can participate? – Eligibility (1)

• Student of UPC in 2013-2014 (registered), of one of the participating schools/faculties: EETAC, EPSEB, EPSEM, EPSEVG, ETSECCPB, ETSEIAT, ETSEIB, ETSETB, FIB.

• Undergraduate (old programmes) or Master student. (Not Grado.)

• Pending credits for 2014-2015 (not about to finish; will be a student of UPC during next academic year).
Who can participate? – Eligibility (2)

• English proficiency

• Willing to have an international experience; with multiple phases and exposure, and a longer length (not only one semester).
Who can participate? – Eligibility (3)

Requisits específics de les escoles:

• ETSECCPB:
  - Màsters: obert a tots els estudiants de màster de l'Escola (excepte Masters Erasmus Mundus) que tinguin tancat el M1.

  - No s'oferirà als estudiants de Pla Vell perquè, per extinció del pla d'estudis, no dóna temps. (Els estudiants d’ETSECCPB han de cursar 90 ECTS amb el programa UNITECH i, en tornar, han de fer i defensar projecte i tesina a l'Escola de Camins).
Who can participate? – Eligibility (4)

Requisits específics de les escoles:

• FIB:

- Els estudiants de l'antiga Enginyeria Informàtica (pla 2003) de 5 anys han de tenir pendents de cursar, com a màxim, entre 60 i 90 ECTS.

- Els estudiants de Màster han de tenir pendents de cursar, com a màxim, 60 ECTS.
When? – (1)

- **Academic exchange:**
  - Compulsory to start it in September 2014.
  - Very exceptionally: with previous authorization, in February’2015.

- **Placement:**
  - After Midterm Week and the academic exchange.
  - Usually, from February-March’2015 on.
  - Depending on the placement that you will find.
  - Location: not in a country of your mothertongue.
When? – (2)

- **Total length:**
  - Minimum one year.
  - Average: 1.5 years.
  - Maximum length (rule): completion in a maximum of 2 academic years.

- Not finish your home studies (continue to be a UPC student) while you are in the UNITECH Programme. Finish it at the end.
Application

- How to apply?
  - **On-line** application.
  - Register in the application tool
    + upload the required documents (*).

- When can I apply?
  - deadline: 23rd January 2014.

- There is a **selection** process.
Selected Programme Participants

Selected Applicants

Selected Candidates

Selected Participants
Límit de presentació de sol·licituds: 23 de gener de 2014.

Presentar la sol·licitud on-line amb tota la documentació requerida.

Pre-selecció a partir de la documentació presentada:
- Expedient Acadèmic
- Experiència professional
- Associacions
- Idiomes
- Altres

Proves de selecció: “Assessment Center” un dia sencer. 18 de febrer de 2014.

3 proves:
- Grup de discussió
- Presentació improvisada
- Entrevista personal

(Qui passa les proves)
Destinació proposada. Falta confirmar.
Application: until 23rd January (1)

• Register in the UNITECH website
  → obtain a login and password.

• Upload the corresponding documents (see next slides).
Application: until 23rd January (2)

• Documents:

- Transcript of records **in English**. You can download from “e-Secretaria” (through “autorservei de documents”) your transcript of records. Certificat de notes ECTS en anglès.

- Curriculum Vitae (CV) **in English**. For example, you can use the Europass format.

- Certificates of language knowledge. Official certificates, certificates of language schools, etc.
  a- English knowledge.
  b- If you have some knowledge of any other language (German, French, etc.), please add the corresponding certificates.
Application: until 23rd January (3)

- Please answer in English the questions of the UNITECH application.

-Please provide a preliminary (draft) study plan of the host universities selected. It is a draft with the list of subjects that you want to take at the host university during your exchange (if selected). Management and/or technical subjects. You have to go to the websites of the host universities and look for the subjects.
Application: until 23rd January (4)

- All UNITECH applications have to be done through the on-line application; in the UNITECH website.

- Please check with your home UPC school/faculty which are the specific internal requirements.
Application and selection

Average figures of last years:

✔ 50 applications of UPC students (different schools)

✔ 18 preselected students (participated in the Assessment Center)

✔ 8-10 selected students
Pre-selection

- Applications will be assessed in a first phase with the documents uploaded.

Criteria:

- Academic performance (average mark and performance –”alfa”). This is the basic criterion.

- Others: language proficiency (English language, other languages), possible professional experience, etc.
Assessment Centre: 18th February

• The Assessment Centre is totally run in English.

• It has 3 parts:
  - (Improvised) Group discussion
  - (Improvised) Individual presentation
  - Personal interview

• The Assessment Centre is done by the assessors. These are people from the UNITECH partner companies.

• The date is not movable. Unique date. One full day.
Host university allocation

• Candidates can indicate in their application up to 3 options as host university.

• Allocation of host university will be done after, in a second step, in the weeks after the Assessment Centre. This allocation is done by the UNITECH central coordination and with the results of all Assessment Centres of the partner universities.
UNITECH- Credits to obtain in the programme (1)

The UNITECH Credit System

UNITECH CREDITS (UTC)

Joint Modules
10 UTC
(4 Start-Up, 4 Mid-Term, 2 End-of-Year)

Academic exchange
20 UTC minimum

Internship
30 UTC minimum
(2.5 credits per week of internship)

Additional Credits
Academic Exchange or Internship
30 UTC minimum

Management Credits

1 ECTS counts as 1 UTC

A minimum of 20 ECTS must be achieved from Management Courses at your Home and/or Host university, during any time of your studies.

A course taken during your Academic Exchange may give credits for the Academic Exchange as well as for the Management Credits.

Additional credits can be obtained through an internship longer than the 12 week minimum.

UNITECH Fellowship

Once all UNITECH Credit requirements are fulfilled and the student has obtained his/her home Masters (MSc) degree, the student is eligible to receive the UNITECH Fellowship diploma.
UNITECH – **Credits** to obtain in the programme (2)

**Setmana: START-UP WEEK**
- 20 crèdits ECTS: INTERCANVI ACADÈMIC

**Setmana: MID-TERM WEEK**
- 30 crèdits ECTS: INTERCANVI ACADÈMIC o PRÀCTIQUES EN EMPRESA

**Setmana: END OF YEAR EVENT / GRADUATION**
- 30 crèdits ECTS: PRÀCTICA EN EMPRESA UNITECH

**Suma de setmanes= 10 crèdits ECTS**

**REQUISIT ADDICIONAL** ➔ Núm. mínim de crèdits Gestió (management) al final del programa: 20 crèdits.

Els mòduls intermitjos valen en total: 10 crèdits

**NOTA:** tots els crèdits es mesuren en ECTS. S’hauran de convertir a locals, si escau.

UNITECH International Society – www.unitech-international.org
UNITECH – Credit recognition.
For UNITECH and for your home studies.

= Assignatura de management a la universitat d’origen
= Assignatures de management a la universidad de destí

UNITECH International Society – www.unitech-international.org
UNITECH – Important dates and website for application

• Application: until 23rd January 2014

• Where?  www.unitech-international.org

• Assessment Center: 18th February 2014
UNITECH – **Website and contact**

- **Website:**
  [www.unitech-international.org](http://www.unitech-international.org)

  (Also: [www.upc.edu/sri](http://www.upc.edu/sri))

- **More info:**
  [mob.int@upc.edu](mailto:mob.int@upc.edu) / [berenice.martin@upc.edu](mailto:berenice.martin@upc.edu)
UNITECH Programme

THANK YOU!

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