



Universidad de Jaén



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Student-Company Cooperation Model

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Universidad de Jaén

Student-Company Cooperation Model

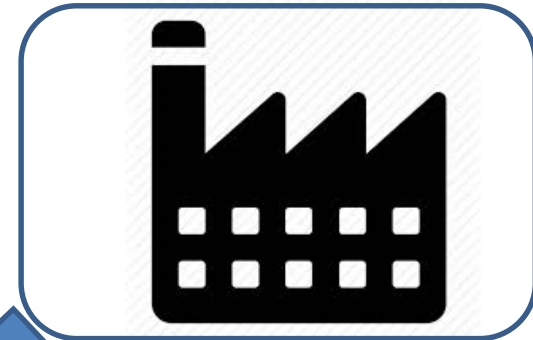
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Introduction



S Strengthen



BENEFITS

- ✓ Gain experience
- ✓ Improve motivation
- ✓ Development of attitudes

- ✓ Involvement in learning process
- ✓ Shape employment according to necessities

- ✗ Non-enriching work
- ✗ Only observing activities
- ✗ ...



Work Integrated Learning (WIL)



Co-funded by the
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HEIBus

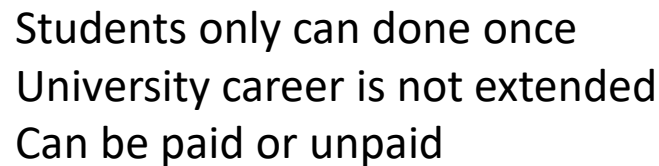
- ☐ Cooperative education
- ☐ Structured method that combines **classroom based education** with **practical work experience**
- ☐ Apprenticeship:
 - 1. Fulltime: 40hours per week in alternating periods of work and school
- ☐ Field Experience:
 - 2. Parttime: 20hours per week combining work and school during the professional period
- ☐ Mandatory professional practice
- ☐ Applied research learning
 - Can be repeated in multiple times
 - University career extended a Year or more
- ☐ Service learning
 - Work experiences are paid and supervised by a professional





Work Integrated Learning (WIL)

- ☐ Cooperative education
- ☐ Internship
 - Students work in their expected career field. Normally at the end of the program study
- ☐ Apprenticeship
 - 1. During a Semester
 - 2. In Summer





Work Integrated Learning (WIL)

- ☐ Cooperative education
- ☐ Internship
 - A combination of in-school training for a skilled trade or occupation, and on-the-job working training.
- ☐ Apprenticeship
 - Most of the learning is done in work place. It comprises approximately 80-85% of the training.



Work Integrated Learning (WIL)



WORK
INTEGRATED
LEARNING

- ☐ Cooperative education
- ☐ Internship
- ☐ Apprenticeship



Co-funded by the
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HEIBus

- ☐ Basic co-op educational models
- ☐ Company specific co-op educational model
- ☐ Internship Company/Research model

Basic co-op educational models

Models which follow cooperative education and the students have the possibility of working in several companies

Feature	Description
Main educational purposes	integration of theory and practice; career exploration and development; progressive skill acquisition; professional socialization; workforce readiness
Duration	Work terms are normally one semester (4 months) but may be consecutive; minimum 3-6 work terms required for co-op designation
Compulsory/Optional	Both
Paid /no Paid	Companies paid student a salary/scholarship
Role of student	Full-time employee engaged in productive work
Role of employer	Supervision, evaluation
Role of institution	Set learning objectives and approve host site; assist with student selection; monitoring and assessment
Companies for work placement	Several

Classification:

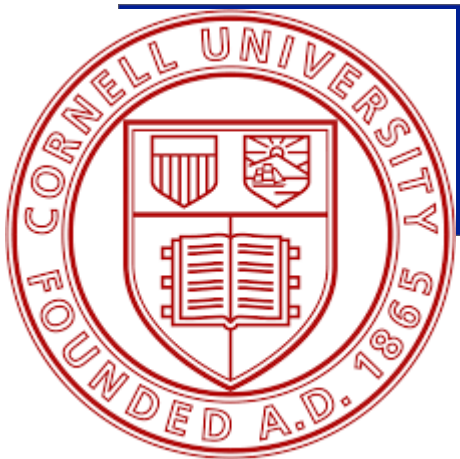
❑ Universities whose **programs** have **not** been **certified** by an Agency

❑ Universities whose **programs** have been **certified** by an Agency

Hochschule Esslingen

University of Applied Sciences

The Mechatronic Plus. Career duration is 3.5 years and approximately near to a year students work at company



Students work 28 weeks or more and graduate with cohort.

Students work for pay, no academic credit is provided

Students may complete 28 requirements with the employer



Classification:

- ❑ Universities whose **programs** have **not** been **certified** by an Agency



have been **certified** by an Agency

Students within their three-year studies, regularly switch between the university and the company / social institution. The training takes place in a three-month rhythm.



First Canadian University offering a cooperation program. It is a point of reference to more than 100 colleges and universities across Canada.

Public/Private University	Public University
Stage	Along all career in three-month rhythm
Compulsory / Optional	Compulsory
Paid / Not paid	Students and the employers conclude a contract for a three year term within this contract the students receive a regular compensation, including social security benefits
Student proposal / HEI proposal / Company proposal	The program has partner companies involved that offer work placement opportunities.
HEI tutor role / Company tutor role and department	During the work placement, a company representative is responsible for the day-to-day supervision. There is a HEI tutor responsible for the general coordination of the work placements.
Duration	Three months each semester from the second year to the fourth
Who pays the student tuition?	Companies
Does the company provide a work place for the student?	Yes
Does the company have a contract with the students, or an agreement to hire the students when they complete their studies?	There is no obligation for any of the parties.
Is the company involved throughout the whole formative period?	Yes.

Public/Private University	Public University
Stage	Semester 2 or Semester 3-4
Compulsory / Optional	Compulsory
Paid / Not paid	Paid
Student proposal / HEI proposal / Company proposal	Student proposal and Company proposal
HEI tutor role / Company tutor role and department	During the work placement, a company representative is responsible for the day-to-day supervision. There is a HEI tutor responsible for the general coordination of the work placements.
Duration	Students may have four to six, four-month work terms included in their curriculum (16-24 months).
Who pays the student tuition?	Companies
Does the company provide a work place for the student?	Yes
Does the company have a contract with the students, or an agreement to hire the students when they complete their studies?	There is no obligation for any of the parties.
Is the company involved throughout the whole formative period?	Yes.

Company specific co-op educational models

Models in which students do the training in one Company.

Feature	Description
Main educational purposes	integration of theory and practice; career exploration and development; progressive skill acquisition; professional socialization; workforce readiness
Duration	Work terms are normally one semester (4 months) but may be consecutive; minimum 3-6 work terms required for co-op designation
Compulsory/Optional	Both
Paid /no Paid	Companies paid student a salary/scholarship
Role of student	Full-time employee engaged in productive work
Role of employer	Supervision, evaluation
Role of institution	Set learning objectives and approve host site; assist with student selection; monitoring and assessment
Companies for work placement	Several

Classification:

- ❑ Companies with cooperation programs with universities located in their geographical region

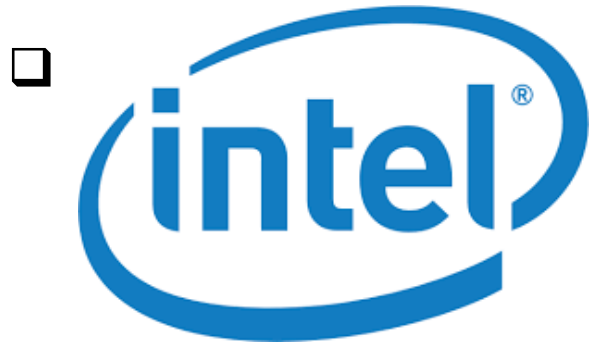
- ❑    programs with universities from another country
SpeedUp co-op model by BMW has three German university partners
  **Hochschule Esslingen**
University of Applied Sciences



UCF Lockheed Martin College Work Experience Program (CWEP) is an ideal opportunity for students to gain real-world work experience while maintaining full-time enrollment with the **University of Central Florida**

Classification:

- ❑ Companies with cooperation programs with universities located in their geographical region



ration American Company with cooperation programs with universities from another programs with European Universities



SIEMENS

Siemens Canada Engineering and Technology Academy (SCETA) which follow Dual Education Program.



SIEMENS

Public/Private University	There are as partners Public Universities but this is promoted by private sector
Stage	First two years [25]
Compulsory / Optional	Compulsory
Paid / Not paid	Paid by company as full time hire. The remaining two years of academic tuition is also paid
Student proposal / HEI proposal / Company proposal	Company proposal
HEI tutor role / Company tutor role and department	During the work placement, a company representative is responsible for the day-to-day supervision. There is a HEI tutor responsible for the general coordination of the work placements.
Duration	Two years
Who pays the student tuition?	Companies
Does the company provide a work place for the student?	Yes
Does the company have a contract with the students, or an agreement to hire the students when they complete their studies?	We have not found details on it.
Is the company involved throughout the whole formative period?	Yes.

Internships models

Models in which students are hired by the university and work in a several companies.

Feature	Description
Main educational purposes	Integration of theory and practice; personal development; career exploration and development; professional socialization
Common sectors	Business; marketing; social sciences; engineering
Duration	Typically long (12—16 months) but may be shorter
Compulsory/Optional	Normally optional but may be a compulsory part of some programs
Paid /no Paid	Both
Role of student	Full-time or part-time employee engaged in productive work; may be observer
Role of employer	Mentoring, Supervision, evaluation
Role of institution	Assessment

Classification:

☐ Internships Company models



Internship with companies of the same geographical region.
Students begin their professional career in the third semester. (36/180 ECTS)



UNSW
SYDNEY

Internship with companies of the different geographical region.
Students begin their professional career in the third semester. Students have also compulsory four professional internships in a 5 years career.



Public/Private University	Public University
Stage	The work placements take place in different stages during the degree.
Compulsory / Optional	All of the work placements are compulsory, however, no marks are awarded to the students
Paid / Not paid	The students receive a scholarship, so they are not directly paid by the companies. However, there is a possibility for the companies to compensate additional expenses incurred by the students
Student proposal / HEI proposal / Company proposal	The program has sponsor companies involved that offer work placement opportunities. We have not found details on the assignment process between students and companies.
HEI tutor role / Company tutor role and department	During the work placement, a company representative is responsible for the day-to-day supervision. There is a HEI tutor responsible for the general coordination of the work placements.
Duration	From 9 to 18 months, depending on the specific program
Who pays the student tuition?	The university offers a scholarship which, in turn, is provided by the sponsor companies. Besides this, the companies are allowed to compensate for additional expenses incurred by the students during the work placements.
Does the company provide a work place for the student?	Yes
Does the company have a contract with the students, or an agreement to hire the students when they complete their studies?	There is no obligation for any of the parties. However, students are expected to consider first offers from the sponsor where they underwent work placements
Is the company involved throughout the whole formative period?	Companies are sponsors of the program since the first year of the student. They are not directly involved with the student, but they are with the program

Classification:

- ❑ Internships Company models

- ❑ Internships research models

Students do not collaborate directly with the Company, but with a research group, or a spin-off, working on a transfer knowledge Project.

Public/Private University	Public University
Stage	The collaboration can take place in three different ways and stages: (1) Curricular internship during the 4 th year; (2) Final year project; and (3) Extracurricular internship, usually at the end of 4 th year
Compulsory / Optional	The curricular internship during the 4 th year (1) is optional for the student. The Final year project (2) is mandatory, however, developing the work in collaboration with a research group in an industry-related problem is optional. Finally, the extracurricular internship (3) is optional
Paid / Not paid	The model allows both student and HEI initiatives to collaborate. The topics of the projects are HEI initiative.
Student proposal / HEI proposal / Company proposal	The model allows both student and HEI initiatives to collaborate. The topics of the projects are HEI initiative.
HEI tutor role / Company tutor role and department	There is no company tutor, all the coordination and supervision is performed by the HEI tutor.
Duration	<p>It varies according to stage's variety.</p> <ol style="list-style-type: none"> 1. Curricular internship during the 4th year: 200 hours. 2. Final year project: 6 academic credits. 3. Extracurricular internship, usually at the end of 4th year: up to 9 months, 20 hours per week
Who pays the student tuition?	<p>Each student is responsible for their tuition.</p> <p>The paid internship of variant 3 is covered by HEI funds assigned to the research group.</p>
Does the company provide a work place for the student?	No. The work is developed in the HEI facilities.
Does the company have a contract with the students, or an agreement to hire the students when they complete their studies?	There is no obligation for any of the parties
Is the company involved throughout the	No.











Conclusions

Selection of the best models

❑ Criteria:



- ❖ Students are engaged in productive work
- ❖ Students receive some form of remuneration
- ❖ Students progress is monitored by the institution
- ❖ Performance evaluated by an employer
- ❖ ...

	Models	Features			
		Model Type	Location	Internationalization	Accreditation
→	 DHBW Duale Hochschule Baden-Württemberg	Basic co-op	Germany	YES	ZEVA
	 Hochschule Esslingen University of Applied Sciences	Basic co-op	Germany	NO	--
	 Cornell University	Basic co-op	USA	YES	--
→	 UNIVERSITY OF WATERLOO	Basic co-op	Canada	YES	CAFCE
	 BMW GROUP	Company Specific co-op	Germany	NO	--
→	 SIEMENS	Company Specific co-op	Germany	YES	--
	 intel	Company Specific co-op	USA	YES	--
	 FHV Vorarlberg University of Applied Sciences	Internship Company	Germany	NO	--
→	 UNSW SYDNEY	Internship Company	Australia	YES	--
	 UJa <small>Universidad de Jaén</small>	Internship Research	Spain	NO	--



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