

## Table A. Distribution of research and training/educational activities for the ETIT PhD program, 40th cycle.

Type of activity	Number of DCs	%
Research activity	144	80%
Training and educational activities	36	20%
Total	180	100%

- The main objective of the Ph.D. career is the **development of an original research contribution** which will be eventually crystallized in the Ph.D. thesis. The thesis is expected to give a substantial contribution to the advancement of knowledge in the candidate's research field.
- Research visits of at least three months in International institutions are considered mandatory, since through them the candidates can acquire further skills to develop their research work and thesis.
- The research activities are complemented by training and educational activities of different kinds and doctoral credit (DC) value, including courses, seminars, workshops and conferences, and laboratories.



# Training activities subcategories

**Courses related to the Phd Activities** (characterizing Ph.D. courses/laboratory courses). Credits in this subcategory can be earned either by selecting the courses offered by EIT4SEMM, or by other Master and PhD Schools approved by the supervisors. An evaluation is mandatory for the corresponding credits to be assigned.

**Thematic Seminars.** Candidates are requested to prepare a short report about the acquired knowledge.

**Courses on soft and transferable skills** including Academic Writing courses. Either UNIBO courses (link) or external courses approved by the supervisors can be selected.

The participation in Thematic **Doctoral Schools** is also encouraged

**Dissemination.** Candidates must acquire the ability to present and discuss their work in their research community. Consequently, the **participation to international conferences** is awarded with doctoral credits.

Doctoral credits can be earned by acting as **teaching assistants and tutors** in Master and Undergraduate Programs.



## Table B. Allowed types of training activities with minimum number of DCs to be achieved

Type of activity	Minimum number of DCs
Disciplinary and multidisciplinary training	8
- disciplinary and multidisciplinary doctoral courses	7
- seminars	1
Soft/Transversal skills	4
Extra-curricular training (Summer/Winter schools)	1
Dissemination	1
Teaching activities and tutorships	-

Courses and seminars delivered by the School of Engineering and Architecture will be announced via e-mail



## Table C. Distributions of DCs through the years of the PhD course

DCs to be acquired for training and educational activities	Recommended
At the end of first year	15
At the end of second year	27
At the end of third year	36 (mandatory)

As a recommended strategy, it is suggested that the student accumulate most of the credits related to educational activities in the first two years (e.g. 15 DCs in the first year + 12 in the second) so that the student has more time to devote to finalizing the doctoral thesis in the final year.



## Table D. Correspondence between hours of employment and DCs acquired

For every type of training activity, the EIT4SEMM Supervisory Board has defined the following distribution between number of hours of lectures and individual work:.

Type of activity	Teaching Hours	Hours of individual work	Total hours	DC
Disciplinary and multidisciplinary doctoral courses *	5	20	25	1
Laboratory (hands on) courses	12,5	12,5	25	1
Transversal/Soft skills course **	10	15	25	1
Seminars **	10	15	25	1
Teaching activities (tutorship)	10	15	25	1
Extra-curricular training (days) *	1 day			0,5
Dissemination (days)	1 day			0,5

(\*) for courses offered by external institutions, 1 ECTS credit = 1 DC

(\*\*) for seminars or courses without a final exam the student will be asked to deliver to the Program Coordinator a report on the acquired knowledge

