UNIVERSIDADE FEDERAL DO CEARÁ

FEDERAL UNIVERSITY OF CEARÁ
OFFICE OF THE VICE PROVOST FOR UNDERGRADUATION (PROGRAD)
COORDINATION FOR PROJECT AND CURRICULUM DEVELOPMENT
CURRICULUM DEVELOPMENT DIVISION

1. Academic unit offering the curricular component (Faculty, Center, Institute, Campus)**:**

Center of Technology

2. Department offering the curricular component (when applicable)**:**

Teleinformatics Engineering Department

3. Undergraduate course(s) offering the curricular component

Code of the Course	Name of the Course	Course Degree[1]	Curriculum (Year/ Semester)	Nature of the Component[2]	Semester of Offer[3]	Habilitation[4]
91	Telecommunications Engineering	Bachelor	2015.1	Mandatory	07	-

4. Name of the curricular component:
Integrated Actions in Science and Technology II

5. Code of the curricular component (filled by PROGRAD)**:**
TI0136

6. Prerequisites	No ( )	Yes (x)	
		Code	Name of the curricular component / activity
		TI0135	Integrated Actions in Science and Technology I

7. Corequisite	No (x)	Yes ( )	
		Code	Name of the curricular component / activity

8. Equivalences	No ( )	Yes (x)	
		Code	Name of the curricular component / activity
		TI0045	Logic Circuits Design

9. Day period of the curricular component (more than one option can be selected)**:**
(x) Morning (x) Afternoon (x) Night

1 **Fill with *Bachelor (Engineer), Licenciate,* or *Technologist.***
2 **Fill with *Mandatory, Optional,* or *Elective.***
3 **Fill when mandatory.**
4 **When elective, fill with the habilitation or emphasis to which the curricular component is linked.**

10. Regime of the curricular component:

(x) Semester ( ) Yearly ( ) Modular

11. Justificatory for the creation/regulamentation of this curricular component

The Integrated Activities in Science and Technology (AICT) constitute a set of activities that aims to provide the student with the minimum maturity required to integrate the knowledge acquired in the Engineering Sciences curricular components with those of Engineering, in a progressive and controlled form, promoting a higher capacity of performing individually or with assistance the integration of the contents of in-depth materials within the framework of the binomial theory-practice.

12. Syllabus:

Variable programmatic content.

13. Workload description

Number of Weeks:	Number of Credits:	Total Workload in Hours:	Theory Workload in Hours:	Practice Workload in Hours:
16	02	32	16	16

14. Basic bibliography:

1- Livros and artigos científicos referentes ao tema escolhido.

2- Fundamentos de Metodologia Científica; Marina de Andrade Marconi and Eva Maria Lakatos; 7th edition; Editora Atlas, 2010.

3- Fundamentos de Metodologia – Um Guia para a Iniciação Científica; Aidil Jesus Paes de Barros and Neide Aparecida de Souza Lehfeld; 2nd edition; Makron Books, 2000.

4- Metodologia Científica; Amado L. Cervo, Pedro A. Bervian and Roberto da Silva; 6th edition; Pearson / Prentice Hall, 2006.

15. Complementary bibliography:

Metodologia para a Pesquisa and Desenvolvimento; Carlos Fernando Jung; 1st edition; Axcel, 2004.

The Art of Scientific Investigation; William I. B. Beveridge; Blackburn Press; 2004.

Scientific Method in Practice; Hugh G. Gauch Jr.; Cambridge University Press; 2002.

An Introduction to Scientific Research; E. Bright Wilson Jr.; Dover Publications; 1991.

Scientific Integrity; Francis L. Macrina; 3rd edition; ASM Press; 2005.