

Dear members of the evaluation committee,

Since I have not yet finished my 6 year Mechanical Engineering Degree, I cannot attach my diploma to my application. But, in order to prove that I have no courses left and I am solely finishing my thesis, I attach in the following my 'Plan de Carrera de Ciclo Superior', or 'Higher Cycle Carrer Plan', translated to english for better understanding.

Faculty of Engineering

UNIVERSITY OF BUENOS AIRES

HIGHER CYCLE CAREER PLAN

Student:

Juan Ignacio Teich (102247)

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Academic Supervisor:

Dr. Ing. Otero, Alejandro Daniel

Researcher (CONICET) - Associate Professor (FIUBA)

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Student Information:

Name and Surname	Juan Ignacio Teich
Student Number	102247
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Working	Yes
Name of Company	Stämm Biotech
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Signature

Academic Supervisor Information:

Name and Surname	Alejandro Daniel Otero
University Degree	Mechanical Engineer
University	Faculty of Engineering, University of Buenos Aires
Department	Energy
Main Activity	Research
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Signature

Professional Profile

Mechanical Engineer with orientation towards numeric simulation. The elective courses were chosen due to my interest in the previously mentioned orientation, carrying out all possible courses: *Introduction to the Finite Element Method*, *Introduction to Tensorial Analysis*, *Continuum Mechanics*, *Advanced Finite Elements* and *Advanced Finite Elements in Fluid Mechanics*. These courses, alongside *Fluid Mechanics* will be the key for the development of the Mechanical Engineering Thesis.

On the other side, I complemented my profile with courses with varied orientations in order to have a more rounded profile. I attended *Machine Elements* and *Ferrous Materials and their Applications* to further improve my mechanic design abilities. I attended *Heat and Mass Transfer* and *Combustion* to further improve my thermo-mechanic oriented abilities. And finally I attended *Probability and Statistics*.

Ciclo Básico Común (CBC) Detail

Course	Grade	Year	Semester
CALCULUS A (CBC66)	9	2017	1
INTRO. TO SOCIETY AND STATE KNOWLEDGE (CBC24)	9	2017	1
CHEMISTRY (CBC05)	9	2017	1
ALGEBRA A (CBC62)	9	2017	2
PHYSICS (CBC03)	10	2017	2
INTRO. TO SCIENTIFIC THINKING (CBC40)	7	2017	2

Mechanical Engineering (FIUBA) Detail

Completed Compulsive Courses

Code	Course	Credits	Grade	Year	Semester
6103	CALCULUS II A	8	8	2018	1
6201	PHYSICS I A	8	8	2018	1
6108	ALGEBRA II A	8	6	2018	1
6203	PHYSICS II A	8	8	2018	2
7501	COMPUTER SCIENCE	4	8	2018	2
6301	CHEMISTRY	6	8	2018	2
6702	REPRESENTATION METHODS B	6	6	2019	2
6113	CALCULUS III C	4	7	2019	2
6411	STABILITY I B	6	6	2019	1
6206	MECHANICS I	6	5	2019	1
7512	NUMERIC ANALYSIS I	6	7	2019	1
6707	MECHANICAL DRAWING	2	5	2019	1
6713	MATERIALS KNOWLEDGE I	6	8	2019	1
6714	MATERIALS KNOWLEDGE II	4	8	2019	2
6704	THERMODYNAMICS I A	8	10	2020	2
6711	MECHANISMS A	4	5	2020	2
6412	STABILITY II B	8	7	2020	1
6715	MECHANIC TECHNOLOGY I	6	6	2020	1
6716	INDUSTRIAL TESTS	4	7	2021	2
6413	STABILITY III B	6	10	2021	2
6718	FLUID MECHANICS B	6	7	2021	2
6717	MECHANICS WORKSHOP	4	8	2021	2
6504	GENERAL ELECTRICAL ENGINEERING B	6	8	2021	2
6603	GENERAL ELECTRONICS	4	9	2021	1
6721	PHYSICAL AND MECHANICAL MEASUREMENTS	4	7	2021	1
6719	ALTERNATIVE MACHINES	6	8	2021	1
6506	ELECTRICAL MACHINES	6	7	2022	2
6722	CONTROL SYSTEMS	4	6	2022	1
6720	TURBOMACHINERY	6	5	2022	1
7705	ENVIRONMENTAL ENGINEERING	4	8	2023	2
7125	LEG. Y PROF. EX. OF MECHANICAL ENGINEERING	2	5	2023	2
6724	INDUSTRIAL INSTALLATIONS PROJECT	6	7	2023	2
6723	ENERGY TRANSFORMATION	2	7	2023	1
6728	HYDRAULIC AND PNEUMATIC SYSTEMS	4	7	2023	1
7701	OCCUPATIONAL HEALTH AND SAFETY	4	8	2023	1

7101	INTRO. TO ECONOMICS	4	9	2023	1
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Completed Elective Courses

Code	Course	Credits	Grade	Year	Semester
6106	PROBABILITY AND STATISTICS	4	9	2020	1
6730	COMBUSTION	4	7	2021	2
6750	FERROUS MATERIALS AND THEIR USE	4	8	2021	2
6758	INTR. TO THE FINITE ELEMENT METHOD	6	10	2021	1
6760	INTRODUCTION TO TENSORIAL ANALYSIS	4	9	2021	1
6731	HEAT AND MASS TRANSFER	4	9	2022	2
6725	MACHINE ELEMENTS	8	6	2022	2
6759	CONTINUUM MECHANICS	6	10	2022	2
6757	ADVANCED FINITE ELEMENTS IN FLUID MECHANICS	6	8	2022	1
6762	ADVANCED FINITE ELEMENTS	6	10	2022	1

Compulsive Courses Remaining

Code	Course	Credits	Year	Semester

Elective Courses Remaining

Code	Course	Credits	Year	Semester

Credits Distribution Summary at end of Degree

	Credits
Compulsive Courses	190
Elective Courses	52
Extra Curricular Credits	0
Thesis	18
Total	260

Academic Supervisor Signature
Alejandro Otero

Student Signature
Juan Ignacio Teich (102247)