PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
College of Engineering

Major in Software Engineering

I. Program Educational Objectives:

Students finishing successfully the program requirements, obtain the Bachelor of Science in Engineering, with Major in Software Engineering.

The Program Educational Objectives for the Software Engineering (B.Sc.Eng.) are the following:

1. Our graduates will perform in the field of Software Engineering and Computing in a competent and professional manner, demonstrating a thorough knowledge of the underlying principles of software engineering.

2. Our graduates will develop innovative technological projects in Chile and/or abroad, generating solutions to complex systems problems.

3. Our graduates will demonstrate a self-critical spirit and will enrich their performance through professional and/or graduate studies.

4. Our graduates will participate and collaborate in interdisciplinary and diverse teams, and will advance in leadership in the profession.

5. Our graduates will strive to have a positive economic and social impact on society.

II. Student Outcomes:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

III. Student Admissions:

Students are initially admitted to a common study program that is the same for any engineering area. As student progress in time, programs differentiate according the engineering area.

Student Admission*	
Year	**N° Students**
2011	543
2012	553
2013	716
2014	732
2015	719
2016	726
2017	732
2018	740
2019	772

*Regular Admission (PSU) and Special Admission (PSU Process).

IV. Program Enrollment:

The official enrollment in the Major occurs in the third semester of the study program. The students register their preference in our Intranet information system (Siding) in an annual registration process, since this study program began in 2013 (2013 Curriculum or C2013).

Status	N° Students
Enrolled Students, cohort 2013	61
Enrolled Students, cohort 2014	66
Enrolled Students, cohort 2015	82
Enrolled Students, cohort 2016	108
Enrolled Students, cohort 2017	147

Enrolled Students, cohort 2018	160
Enrolled Students, cohort 2019	164

II. Bachelor of Science in Engineering:

The numbers below are from the biannual ceremony.

Bachelor of Science in Engineering	
YEAR	**N° Students**
2016	-
2017	24
2018	50
2019	46
Total	120