# Computer Science Research Project

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| **Offered by:** | Department of Mathematics and Computer Science |
| **Language:** | English |
| **Only available for:** | Majors Web Science and Software Science |
| **Prerequisites:** | The course is targeted to excellent third-year students (top 10%; an average grade of at least 8) with a clear scientific interest. Selection will be based on the student's grades, a motivation letter and an interview. |
| **Contact person:** | dr. Wouter Meulemans (w.meulemans@tue.nl) and dr. Kevin Buchin (k.a.buchin@tue.nl) |

## Learning Objectives

After the course, students have gained experience in participating in a small research project, and they:

✓ know how to use scientific literature to formulate research questions and to support their research
✓ are able to contribute to scientific research projects
✓ know how to write a research paper

In this way the course contributes to the professional-skills development of the students in a research context.

## Content

The package consists of only one project of 10 ects, spread out evenly over Q1 and Q2.

| Course code | Course name | Scheduled (Quarter) | Level |
|---|---|---|---|
| 2IRS0 | Bachelor Research Project | Q1+Q2 | 3 |

## Organization

No time slots are assigned to the project; the meetings will take place group wise by mutual arrangement.

Students will do their project in groups of two or three students. The topic of the research project will be determined by the supervisor(s), in consultation with the students. The students will then

• perform research (including the necessary literature study) on the proposed topic, in close collaboration with the supervisor(s)
• write a research paper about the results
• give a presentation about their results (this will be open to other students and staff as well)

A possible outlet for the research results is the national *Student Research Conference[1].*

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[1] http://www.studentresearchconference.nl/

March 2018

**Selection procedure**

The package is targeted to third-year students (not to second-year students) so that by the time students have to apply, they already have a reasonable view of the various areas within CS and can make a more informed choice in which area they want to do their project.
Selection will be based on the student's grades, a motivation letter and an interview.
An average grade of at least 8 is expected, with excellent grades for the courses related to the area in which the students want to do their project.

To apply, you should submit the following information to the package coordinators (dr. Wouter Meulemans, w.meulemans@tue.nl and dr. Kevin Buchin, k.a.buchin@tue.nl):
-    a motivation letter, in which you explain why you want to participate in the Bachelor Research Project and why you believe you are a suitable candidate;
-    a list of grades you have obtained during your bachelor studies.

The deadline for applications is May 30, 2018. Interviews will be scheduled in June.

## Remark

This package has been approved by the Dean of the Bachelor College as a pilot for 2018/19. There is no guarantee that it will again be offered in 2019/20, or beyond.

March 2018