



# Construction Engineering and Management

Field of study: Civil Engineering



## Course summary:

### Semester 1

- Mathematics
- Energy Technology in Construction
- Information Technology in Construction
- Computational Mechanics
- Design of Structures
- Enterprise Management
- Flexibility in Engineering Design
- English for Construction Manager
- Transportation system management
- Practical Training – Project with Industry

### Semester 2

- Enterprise Management
- Elective humanistic and social I
- Construction Engineering
- Multidisciplinary Project
- Quality Management
- Construction Process Design
- English for Construction Manager
- Construction Technology
- Engineering Surveying
- Building prefabricated elements
- Physical Training

### Semester 3

- Elective Subject I
- Elective Subject II
- Elective Humanistic and social II
- BIM Technology
- Diploma Seminar
- Preparation for Scientific Research

## Programme description

A graduate of Master of Civil Engineering program is capable of exploring, executing and exploiting innovation in civil engineering based on system approach (information, energy, communication and transport systems).

General idea of this course is to: find innovation area in construction (first semester), generate and examine innovation options (second semester) and execute innovations (third semester).

This study is prepared in cooperation with leaders at the construction market (international corporations and SMEs) taking into consideration possibility to solve real life-based problems.

During the course of study students will be working in international teams which will prepare them to work in partner construction enterprises but also to continue their studies on a PhD level.

As a result of this programme the graduates could also create their own spin-off/start-ups.

This Master Programme is accredited by the Polish Association of Building Managers a member of Association of European Building Surveyors and Building Experts.



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<b>University</b>	Poznan University of Technology Poznan, POLAND
<b>Degree to be obtained</b>	Master of Science
<b>Programme website</b>	<a href="http://www.put.edu.pl/">http://www.put.edu.pl/</a>
<b>Contact</b>	International Relations Office Piotrowo 5, room 101 61-138 Poznań, Poland
<b>Phone</b>	+48 61 665 3544
<b>Fax</b>	+48 61 665 3956
<b>E-mail</b>	<a href="mailto:study@put.poznan.pl">study@put.poznan.pl</a>
<b>Language of instruction</b>	English
<b>ECTS points</b>	90
<b>Duration</b>	1.5 years (3 semesters)
<b>Programme begins</b>	end of February
<b>Programme ends</b>	end of June
<b>Deadline for application</b>	3 months before the course starts – end of November
<b>Education requirements</b>	English language – level B2 (Common European Framework), Bachelor of Science degree (or equivalent). Full list of the required documents is available at: <a href="https://www.put.poznan.pl/en">https://www.put.poznan.pl/en</a>
<b>Mode of instruction</b>	Lectures, classes, laboratory classes, projects, internships

