

### Professional undergraduate programme in civil engineering

1. Apply the methods of designing and constructing simpler structures and systems using basic principles, theories, and regulations relevant to civil engineering and other related fields, as well as theoretical knowledge in the fields of mathematics, physics, and basic engineering sciences
2. Explain the properties of building materials and the basic construction and craftsmanship details of structures and systems
3. Participate in the development of technical documentation and propose appropriate technical solutions in the process of designing standard structures and systems, taking into account the environmental impact of the use of the material
4. Participate in the implementation of laboratory and field tests and analyze and interpret the measured data
5. Design the basic organizational and technological processes of constructing more simple structures, taking into account the environmental impact of the design technology
6. Design elements of simpler structures and systems complying with applicable domestic and foreign regulations and guidelines
7. Use professional and scientific literature efficiently and apply acquired knowledge and skills to new circumstances
8. Interpret and discuss expert information using technical terms in Croatian and foreign languages
9. Organize and plan work stages in order to successfully complete a project
10. Work efficiently and collaboratively in a group/team taking into account professional and ethical principles